

2021 BOE

CORPORATE SOCIAL
RESPONSIBILITY
REPORT



About This Report

Reporting Period

This report covers the period from January 1 to December 31, 2021. Part of the content is beyond the above time range.

Reporting Cycle

BOE has published the annual CSR Report since 2010. The last report was published in April 2021.

Reporting Scope

This report, covering regions where BOE operates, presents the CSR philosophy, strategy and practices of BOE and its subsidiaries as well as their business operations during the reporting period.

Reporting Data

This report provides data gathered as of December 31, 2021. For more economic data, please refer to the *BOE Annual Report 2021*.

Preparation basis

This report is prepared in accordance with the core option of *GRI Sustainability Reporting Standards* (GRI Standards) issued by the Global Sustainability Standards Board (GSSB), the *Guideline No.1 for Self-Regulation of Listed Companies-Standardized Operation of Companies Listed on the Main Board*, the *Code of Corporate Governance for Listed Companies*, *Guidance on Social Responsibility of Information and Communication Technology Industry* (SJ/T 16000-2016), the *Evaluation Index System on Social Responsibility Governance Level of Information and Communication Technology Industry* (T/CESA 16003-2021), and the *2030 Agenda for Sustainable Development* issued by United Nations. By systematically integrating the requirements of key guidelines and standards, this report responds to stakeholders' expectations and requirements, highlighting industrial features and corporate characteristics.

Designations

BOE Technology Group Co., Ltd. is also referred to as "BOE" "the Company" or "we" in this report.

Report Availability

This report is available in printed and electronic versions. The electronic version can be accessed online or downloaded from the official website of BOE, www.boe.com. You are welcome to call or email us if you have any questions or advice about the report.

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Message from the Chairman

BOE's Three Tenets on Sustainable Development

BOE always dreams of ubiquity either at sight or thought in families, squares and every place where people live. With the advent of the IoT era, BOE pushes ahead the missionary philosophy of penetrating technology into life to create a better future.

Having weathered hardships throughout its 29-year career, BOE makes unique contributions to a multitude of industries with each strategic choice and innovative breakthrough. While fueling high-quality development with innovation, quality, value and IoT, BOE strides all the way with premium on and promotion for social progress as value pursuit.

Manufacturing screens with technology based on the concept of development

Founded in 1993, BOE has soared from scratch over the past three decades. Together with other industry players, we contribute to the take-off of China's semiconductor industry by developing display technology.

Up to now, our diligent and intelligent people have delivered the first high generation TFT-LCD production line, Gen 6 AMOLED (Flexible) production line, multi-form flexible display, 8K UHD display and many other world-class solutions. As a result, we are top-ranked in terms of the global Patent Cooperation Treaty (PCT) applications for many years in a row.

As a Chinese proverb goes, feats are accomplished by technology; industries proceed because of technology!

Our numerous stories of technology innovation are embossed with a shared development tenet: develop and strengthen the industry and change life with heart.

At BOE, we are deeply aware that industrial growth should benefit each and every player in the business chain, and changing life with heart is to embody values through technological innovation and application.

We have addressed the rigid demand on the Chinese market and created an industrial ecology. Our products and services have laid a development foundation for corporate social responsibility(CSR) and conveyed richer social responsibility values to the industrial ecology. Riding on the increasingly ubiquitous IoT, BOE's "Screen of Things" can have a wide impact on people's better life in the future.

Regarding changes as opportunities to achieve high-quality development

In an era of IoT, semiconductor display has become the first touchpoint of digitalization, intelligence and informationization in a multitude of industries. The profound integration of IoT application and display technology draws BOE's attention to become a global innovator in the IoT era instead of a leading semiconductor display provider, with the maturity of our technology.

Now, we have seen the mountain ahead, and the crux is to find the right way forward.

Evidently, self-change is more a springboard to secure future competitiveness than our target. Change has also earned BOE with drivers to high-quality development in the past six years.

In 2016, BOE proposed the IoT transformation strategy of "opening up technologies and application platforms to create value through ICPST (Integration of Chips, Panels, Software and Things)" to shift from a semiconductor display provider into an IoT company providing intelligent interface products and professional services for information interaction and human health. This articulated strategic positioning has evolved into a clear and systematic strategic execution.

It also heralds BOE's efforts channeled towards "software and hardware fusion, application integration and service-based transformation" in the upcoming 20 years, in a bid to foster a long-term, sustainable and stable profit model.

In 2020, we formed a "1+4+N" aircraft carrier business group of integrated development, with semiconductor display business as the core, and supported by sensors and application solutions, Mini LED, smart system and innovation as well as smart medicine & engineering integration businesses. We also established an organizational operating system. Horizontally, integrations are established among the front, middle and back business platforms. Vertically, core functions of strategic management, process management and performance management are connected. Taking it as an opportunity, we spent more than a year to consolidate the formation and expansion of the IoT ecology concept.

In 2021, BOE announced the development strategy of "Screen of Things". That aimed to empower a myriad of IoT subdivision scenarios and practice the new brand mission to "change life with heart". We compare display technology to growing rice, and developing IoT applications to making sushi. We would be dedicated to contributing higher profit and multiple forms of IoT applications through display technology.

From "ICPST" to "Screen of Things", we have proved a fact that BOE's three crucial changes are not merely about innovation, but more about an innovative action that focus on changes as the pith and high-quality development.

Taking actions with responsibility to create a better society

As the "Screen of Things" rolls out, BOE's CSR becomes more aligned with the prevailing concepts, such as carbon peak and carbon neutrality, green growth and sustainable development.

For BOE, CSR is by no means a slogan, but an era mission from idea to action:

Technology is born to solve problems and improve innovation. While BOE promotes technological innovation to harvest more economic benefits, we also actively help address environmental issues through technology. We place a premium on the work of carbon peak and carbon neutrality and have developed a targeted action plan. We contribute to the decarbonization progress by promoting pilot carbon neutrality program and clean technology. "Carbon Peak and Carbon Neutrality" programs are also prioritized according to the three-step development strategy.

Through strict environmental management, we insist on improving energy efficiency through continuous innovation, reducing emissions, saving resources. That promotes the full life cycle of the product to meet the requirements of environmental sustainability and achieves a virtuous circle of business and environmental symbiosis. In the meantime, we keep strengthening "technology + application" and exploring the use of new technologies to address new environmental problems and challenges. We also hope that more customers and partners can benefit from "technology for a better life".

Our core values of "making progress through innovation and managing BOE with integrity" run deep in the heart of every employee. We advocate unity and cooperation at work to foster alignment and cohesion based on shared objective and corporate development. On the one hand, we endeavor to help employees build positive values and expand career growth in order to realize self-fulfillment in an open and inclusive work environment. On the other hand, we are enhancing their sense of ownership to contribute wisdom and enthusiasm to social welfare!

The support for education development is among our social welfare priorities. "Illuminating the Growth Path" project provides smart education solutions for children in underdeveloped regions and empowers teachers in remote areas. We organize innovative events with universities based on the industry to cultivate more innovative talents for the industry and society. During this process, our staff volunteers contribute their time, skills and love to convey the energy of technology. Besides, we have gone deep the community to organize various forms of medical inclusive public welfare activities. Leveraging technologies and resources, we have supported COVID-19 response and inherit culture and launched a series of actions to help rural vitalization and benefit the public. Currently, we boast nearly 80,000 IoT employees in 19 countries and regions across the globe. While embracing the "growth opportunity" of self transcendence, they are practicing BOE's people-oriented social welfare concept.

We are committed to upgrading customer experience, achieving partner growth and benefiting the society while contributing to China's strength in the global display industry.

Therefore, we integrate the advantages of all parties in the industrial chain to progress steadily and rapidly in production, manufacturing and market. We adopt measures to empower suppliers and team up with them in profound cooperation, joint development and value creation, striving to build the most competitive industrial ecological chain with win-win and shared development.

We strongly believe that front runners should know the importance of sustainable development and warriors embrace changes. In the long river of time, BOE spirits are accompanied with both users and society as a whole amid missions of the age, social needs and historical accumulation. In terms of actions, BOE family keep changing, exploring, innovating and pursuing to refresh our track record on the road of first-class display and IoT.

Chairman of BOE Technology Group Co., Ltd

About BOE

BOE Technology Group Co., Ltd., founded in April 1993, is an IoT company providing intelligent interface products and professional services for information interaction and human health. We have formed a "1+4+N" aircraft carrier business group of integrated development, with semiconductor display business as the core and supported by sensors and application solutions, MLED, IoT innovation as well as smart medicine & engineering integration businesses.

In 2021, BOE announced the development strategy of "Screen of Things". This brand upgrade underscored our strategic evolution into an IoT company, so we launched our new brand mission, new brand promise and new brand principles.

Our Businesses

► Display devices

As a leading company in the global semiconductor display industry, BOE has led China's display industry from scratch to maturity and prosperity. At present, every fourth smart terminal in the world has a display from BOE. Its ultra-high-definition, flexible and micro-display solutions have been widely used in famous brands at home and abroad. The data of Omdia, a global market research agency, shows that in 2021, BOE has ranked first globally in five major applications of display shipments, including smart phones, tablet PCs, notebook computers, monitors and TVs.

► Sensors and application solutions

BOE's sensors and application solutions business focuses on medical imaging, bio-detection, smart window and fingerprint recognition. BOE has a full-size X-ray flat panel detector backplane (FPXD) from 12 to 46 inches, which is widely used by high-end medical device companies in Europe, America, Japan, Korea and other parts of the world. Our smart window provides competitive sensor devices and application solutions for transportation, construction and other fields by our display and sensor technology innovation.

► MLED

BOE provides customers with next-generation LED display systems and solutions based on its unique active drive architecture and high-speed transfer technology with semiconductor process and advanced micron-level packaging process. We have launched display products such as glass substrate 75-inch 8K Mini LED and Mini LED with 0.9mm pixel pitch, bringing a brand-new visionary world.

► IoT innovation

BOE's IoT innovation provides integrated solutions in IoT segments including smart parks, smart finance, smart all-in-one PCs and large -size smart terminal products through artificial intelligence, big data and cloud computing technology, with a focus on software and hardware fusion products and services. Our smart finance solutions have covered over 2,200 bank outlets, and our smart park solutions have been applied in over 20 cities including Beijing, Tianjin and Chongqing to bring smarter products and services to people's lives.

Brand Mission
Change life with heart

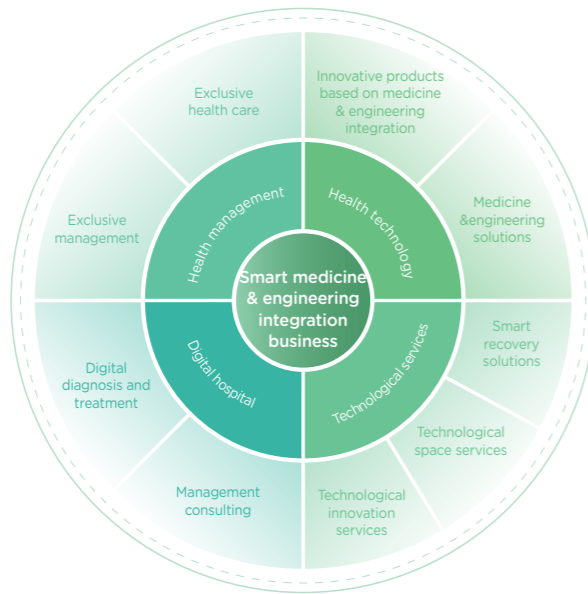
Brand Promise
Through respecting technology, insisting on innovation, and the integration and development of core, screen, air/ware and, empowering multiple values for partners and creating a better life together.

Brand Principles
Technology leadership | Product excellence | Integration and symbiosis | People-oriented

BOE 2021 New Brand Position

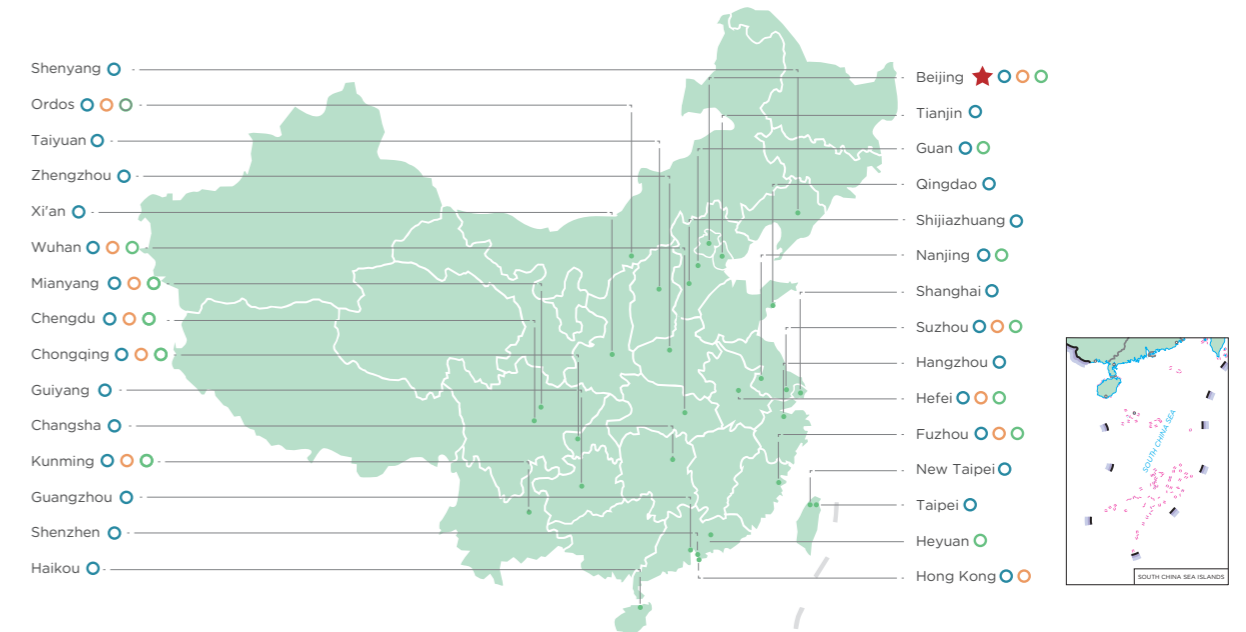
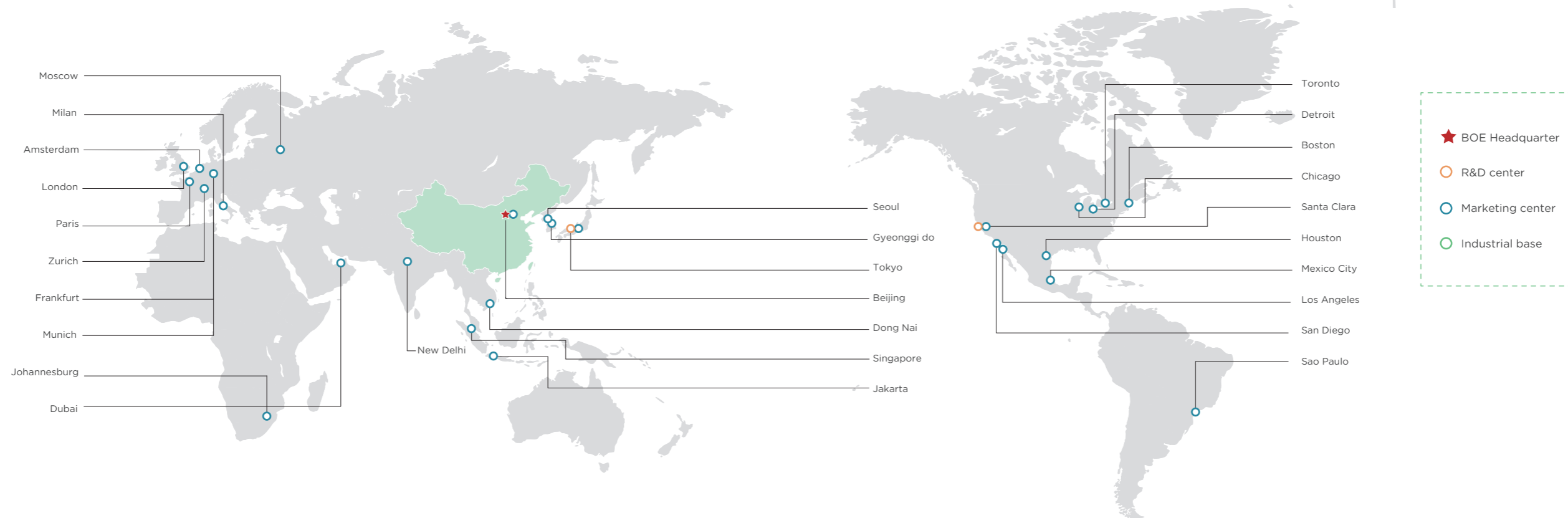
Smart medicine & engineering integration

Through integration and innovation of technology and medicine, BOE develops a smart graded health management system supported by IoT technology and forms a smart health management ecosystem. Therefore, we provide closed-loop full-cycle health services with health management as the core, medicine and engineering integration terminals as tools and Internet hospitals and digital hospitals as the underpinning part, aiming to improve the quality of people's healthy life. BOE has laid out a number of digital hospitals in cities including Beijing, Hefei, Chengdu and Suzhou to render people-centered full-cycle and all-round health management services.



Global Presence

As of December 31, 2021, BOE has manufacturing bases in many parts of China including Beijing, Chengdu, Hefei, Ordos, Chongqing, Fuzhou, Mianyang, Wuhan, Nanjing, Kunming, Suzhou, and Guan, as well as subsidiaries in 19 countries and regions such as the United States, Germany, the United Kingdom, France, Japan, South Korea, Singapore, India, Russia, Brazil, and the United Arab Emirates. The service network covers major regions of the world such as Europe, Americas, Asia, and Africa.



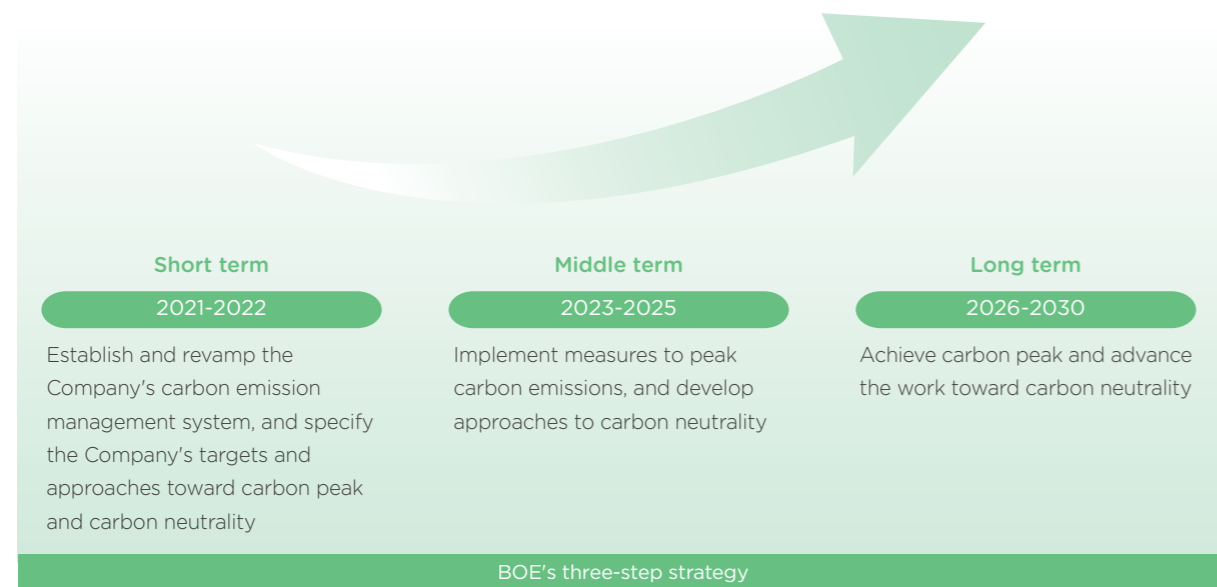


Leading Green Development to Create a Better Life Together

Climate change is one of the most significant challenges facing the world. In September 2020, China announced more resolute efforts to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060 (China's 30•60 Decarbonization Goal). Keenly aware of the importance of net-zero emissions, we take the initiative to practice green development, reducing carbon emissions through carbon-neutral pilot projects and clean energy use. We strive to play our part in creating a carbon-neutral, cleaner and more beautiful ecology for humanity.

Strengthening Top-level Planning

We pay close attention to both our growth and global environmental issues. In response to China's 30•60 carbon peak and carbon neutrality Goal, as well as our vision of "leading green development to create a better life", in 2021 we established a carbon peak and carbon neutrality project team, with the chairman serving as leader and the heads of each business and organization as members. All businesses also set up their own carbon peak and carbon neutrality group. We have made this project a top priority on the Company's agenda, and formulated a three-step strategy to guide our carbon peak and carbon neutrality work.



Carbon Peak Master Plan

6 Approaches 24 Action Plans

We have formulated the "624" Carbon Peak Master Plan according to the work plan of carbon peak and carbon neutrality, covering every aspect of green growth. All that we do will be guided by six approaches, namely green management, green products, green manufacturing, green recycling, green investment and green actions.



BOE "624" Carbon Peak Master Plan




Promoting Pilot Projects

We actively promote carbon neutrality pilot projects. BOE Beijing Gen 5 TFT-LCD production line and Gen 8.5 TFT-LCD production line are the initiators and council members of Zero Carbon Industry Innovation Association of Beijing Economic-Technological Development Area. They have been developing in an intensive, efficient, green and low-carbon manner. In 2021, the two production lines advanced the zero-carbon workshop carbon neutral program by implementing energy savings projects and using clean energy. As a result, they were awarded "Carbon Neutral" Assessment Certificate in recognition of their efforts to go carbon-neutral.

BOE Gen 5 TFT-LCD production line as an engine for carbon-neutral pilot projects

Case

In response to the low-carbon development strategy of Beijing Economic-Technological Development Zone and our own carbon peak and carbon neutrality requirements, BOE's Beijing Gen 5 TFT-LCD production line carried out pilot projects in part of the CUBs. Regional carbon neutrality has been achieved through the adoption of energy-efficient technologies (consumption reduction), photovoltaic (PV) power generation and CCER purchase.

<p>Industrial Energy Saving</p>  <p>Frequency conversion retrofit / Utilization of natural cold source/Management system optimization</p>	<p>Photovoltaic Power Generation</p>  <p>Build photovoltaic power stations on the rooftops</p>	<p>CCER Purchase</p>  <p>Use Chinese Certified Emission Reduction (CCER) Offset our carbon emissions</p>
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BOE Beijing Gen 5 TFT-LCD production line promotes carbon neutral pilot projects



BOE Beijing Gen 5 TFT-LCD production line awarded the first batch of "Carbon Neutral" Certificate



BOE Beijing Gen 8.5 TFT-LCD production line awarded "Carbon Neutral" Assessment Certificate

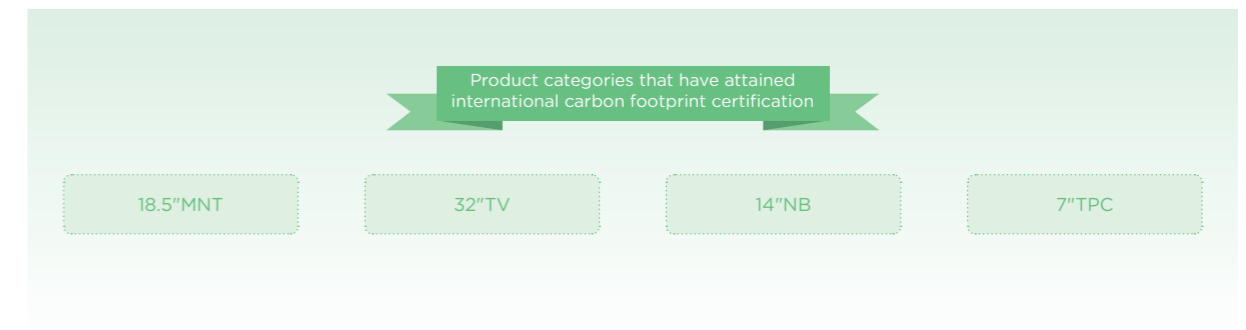
Addressing Climate Change

In order to address climate change and contribute to China's 30•60 Decarbonization Goal, BOE focused on carbon management and GHG emission reduction in 2021, taking actions to develop clean energy resources and carried out energy savings projects.

Reducing GHG Emissions

In order to reduce GHG emissions, BOE Beijing Gen 8.5 TFT-LCD production line has formulated standards such as *Carbon Emission Management Benchmarks* and *Carbon Emission Source Identification Management Benchmarks* to identify and manage carbon emissions during operations. In 2021, we carried out surveys of basic GHG data, conducted an inventory of Scope 1 & 2 emissions from 2018 to 2020, and compiled a corresponding carbon inventory report. This allowed us to know better what we should do to save energy and manage carbon emissions.

In addition, we have set carbon emission targets for 2025 and 2030. And we have launched various energy conservation and emission reduction projects to reduce our GHG emissions per square meter while increasing our production capacity. As a result, the year 2021 witnessed a decrease in our GHG emissions per square meter.



- As of the end of 2021
- ◎ Self-owned power plants with a capacity of **384** MW
 - ◎ Power plants under O&M with a capacity of **660** MW
 - ◎ Annual power generation of **410** GWh
 - ◎ **110** power plants in operation

Applying Clean Technologies

Following the industry trend towards the "new energy plus the internet", and with the help of AI and big data, we leverage our energy IoT platform to provide services, such as multi-energy supply, energy construction, energy trusteeship, energy efficiency management, energy trading, carbon trading, for governments, industrial and commercial companies, and more customers. Our businesses include smart operation and maintenance (O&M), construction, energy conservation, electricity sale and plants factories.

In the field of smart operation and maintenance business, our self-developed B-iSolar (BOE photovoltaic power plant O&M system) can ensure stable and efficient operations of photovoltaic (PV) power plants through all-weather, intelligent, and unmanned monitoring. In 2021, we built PV power plants on the rooftops, with a total installed capacity of 76 MW, enabling annual generation of around 75 GWh of electricity. We plan to increase the installed capacity of PV power by 41 MW by the end of 2022.



In addition, our two projects in Hebei Province, Universe Project and Huanda Project, guaranteed power supply for ice and snow events in Beijing, providing green electricity of around 10.4792 GWh and reducing carbon emissions of 10,447 tons. This was our contribution to green ice and snow events.

In the field of energy construction, we have 12 years of experience in PV EPC engineering construction. We have innovated in the "EPC+" model, and provided customers with new energy package solution integrating development, design, construction, management, operation, maintenance, investment and financing. Our solutions cover PV power EPC, solar hot water EPC, centralized cooling and heating, integrated energy station design, and more.

In the field of power trading, our factories in southwest China make good use of abundant local hydropower resources. In 2021, hydropower trading volume in southwest China reached 3,502.11 GWh, equivalent to reducing CO₂ emissions by 1.85 million tons.

For energy conservation, we have developed such energy-saving businesses as "industrial energy saving" and "semiconductor lighting" in places including Beijing, Anhui, and Jiangsu, with our experience and advantages in energy consumption management in high-end manufacturing. B-EMS, our self-developed energy efficiency management system, can help customers build "green factories" and "green schools".

In the field of zero-carbon businesses, we have zero-carbon planning, carbon asset management and carbon management platform. As we work towards our decarbonization goals, our carbon asset management platform aims to help customers achieve carbon peak and carbon neutrality by providing them with efficient, refined and centralized services integrating carbon inventory, carbon neutrality planning consulting, and carbon asset development and trading.



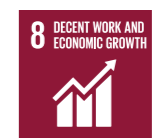
In the future, we will enhance our "technology + application" strategy. Centering on the BOE Smart Energy Operating System (BSEOS), we will provide sub-solutions in terms of multi-energy supply, energy construction, energy efficiency management, smart O&M and low-carbon services for typical energy application scenarios such as industry, commerce, parks, public facilities and households.



Governance

Consolidating Foundation for Sustainable Development

With the management philosophy of "making progress through innovation and managing BOE with integrity", we continuously strengthen the internal management system, protecting the rights and interests of shareholders to the greatest extent with with the continuously improved governance capability. Following the management principles of "integrity, compliance, transparency and responsibility", we are committed to fostering a corporate culture with top-level standards, business ethics and compliance principles. We also help our supply chain partners to enhance their sustainability through systematic management and training. In addition, we have a diversified and efficient communication mechanism, whereby receive as much feedback as possible from stakeholders., and consolidating our development foundation with an open and pioneering mind.

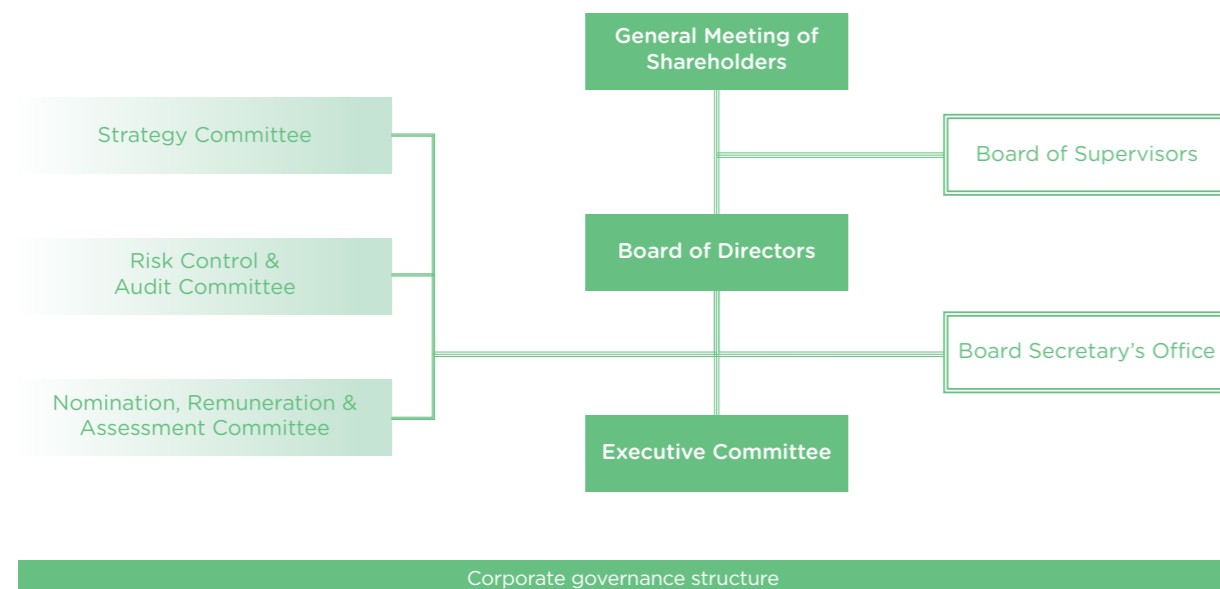


Corporate Governance Optimization

We continue to optimize our corporate governance structure and internal control system, so that the Company and our people act in line with strict governance standards. We promote awareness of intellectual property protection and compliance management, and actively build and safeguard a fair playing field, as well as an open and transparent market. To grow and thrive with our stakeholders, we deliver stable value to them through scientific decision-making, standardized management, honest operations and sustainable development.

Perfecting Governance Structure

We strictly abide by laws and regulations such as the *Company Law*, *Securities Law* and *Code of Corporate Governance for Listed Companies*, as well as the requirements specified in *Guidelines No.1 for Self-Regulation of Listed Companies- Standardized Operation of Companies Listed on the Main Board*. We have formulated clear rules of procedure and workflow, and put in place a management and operation mechanism under which the General Meeting of Shareholders, the Board of Directors and its specialized committees, the Board of Supervisors, and the management and the departments in the charge of Chairman of the Executive Committee perform their duties in accordance with laws and regulations. They ensure the effectiveness of our standardized governance structure. As of 2021, our Board had won the Golden Round Table Awards (Excellent Board) for six consecutive years.



BOE has a standardized and sound governance structure. The General Meeting of Shareholders of the company is the highest authority, and the specific responsibilities of the subordinate organizations are as follows:

- Board of Directors**
 - The Board of Directors is the decision-making arm for the Company's operation and management. It is composed of three specialized committees (Strategy Committee, Risk Control & Audit Committee, Nomination, Remuneration & Assessment Committee).
 - The Board of Directors, its specialized committees, and the Company's functional departments collaborate with each other to establish and improve the mechanism for the stakeholder engagement and oversee, implement and review strategic plans concerning the economy, environment and society.
- Committees under the Board of Directors**
 - The Strategy Committee, as a permanent body during the adjournment of the meetings of the Board of Directors, is responsible for examining strategies and the implementation concerning the Company's marketing, brand, technology, products, organizational structure, human resources, internal control and supervision, and professional ethics punishment, etc.
 - The Risk Control & Audit Committee is mainly responsible for conducting risk control and audit over matters that need to be submitted to the Board of Directors for decision making, and providing professional advices.
 - The Nomination, Remuneration & Assessment Committee is mainly responsible for reviewing matters regarding the nomination, remuneration, performance assessment on directors and senior executives.
- Executive Committee**
 - The Executive Committee's main responsibility is to implement the Company's strategy.
- Board of Supervisors**
 - In accordance with laws and relevant regulations of BOE, the Board of Supervisors shall earnestly supervise financial affairs, the performance of directors and senior executives in order to safeguard the legitimate rights and interests of the Company and shareholders.

We continue to improve our governance in various aspects, actively arrange our directors and supervisors to participate in special training organized by regulators. We maintain self-inspection of capital transactions with related parties, external guarantees and the Company's shares held by our directors, supervisors and senior managers and their changes, fundamentally ensuring that the company with the sound corporate governance, standardized operation and high-efficient supervision¹.

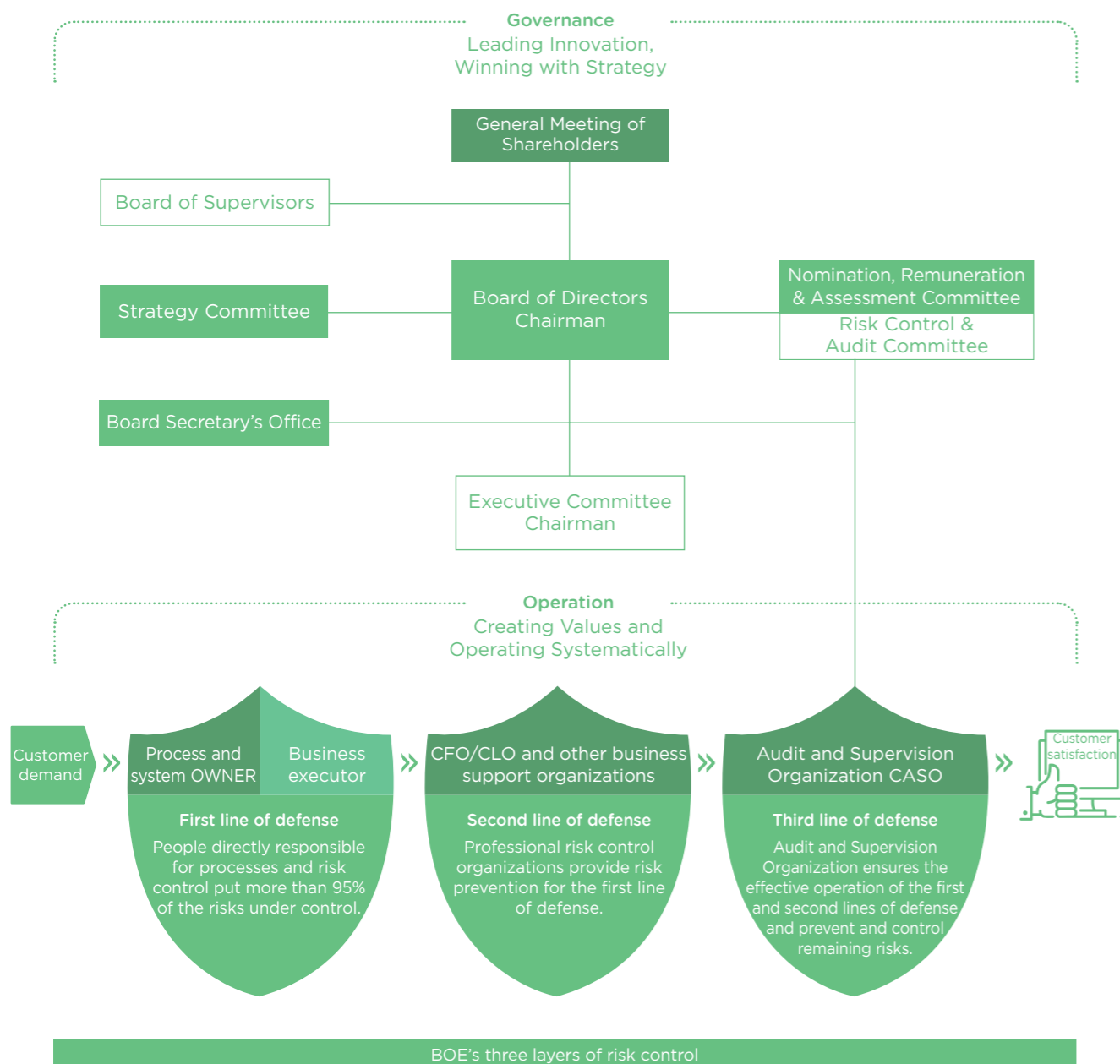
BOE Main Economic Performance for 2019-2021

Economic performance (RMB)	2019	2020	2021
Total Asset	340,412,203,308.00	424,256,806,331.00	449,726,980,355.00
Revenue	116,059,590,164.00	135,552,569,729.00	219,309,799,505.00

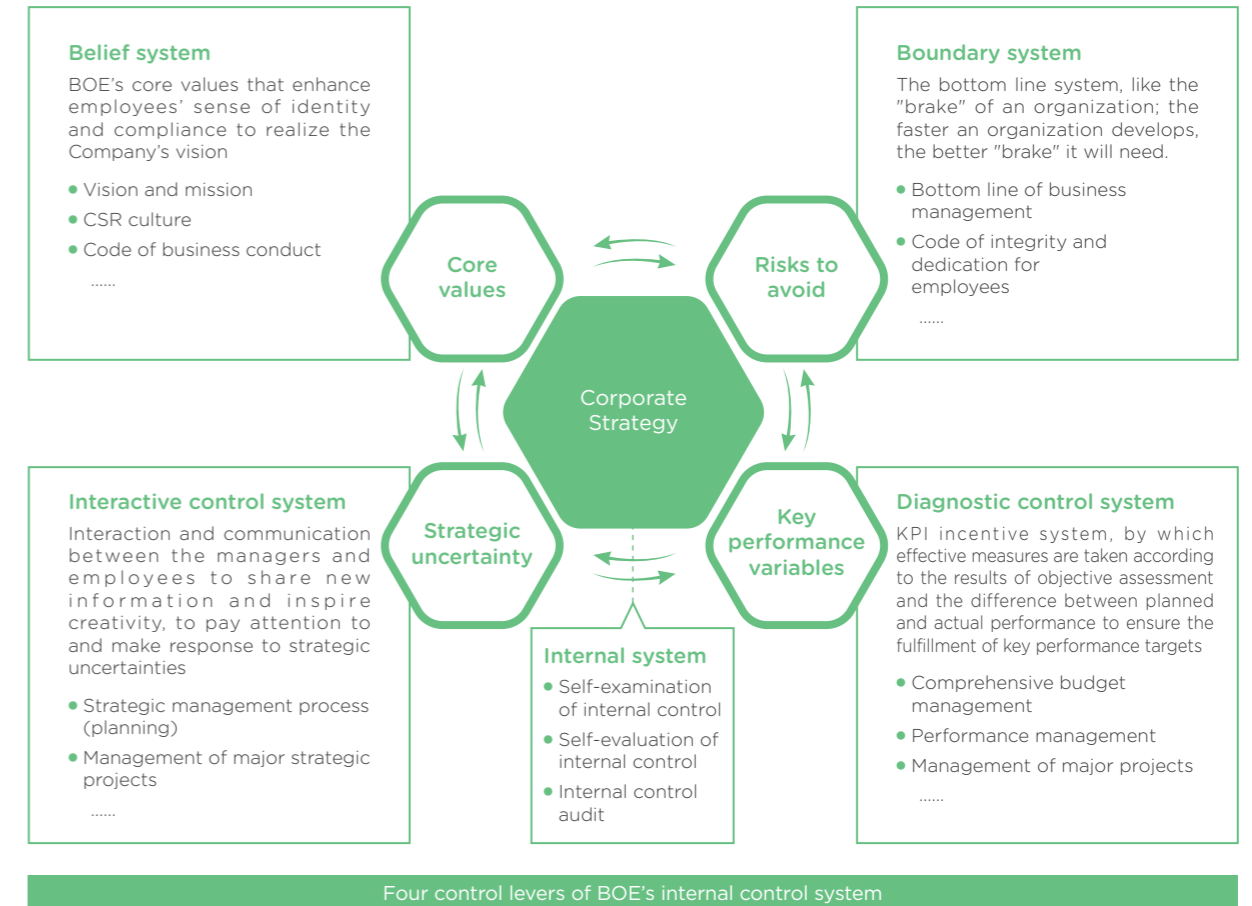
¹ Note: Please refer to BOE 2021 Annual Report for details of other specific work content of the company's board of directors, board of supervisors, and shareholders' meeting in 2021.

Strengthening Internal Control

BOE's internal control follows the values and management methodology of "leading innovation, winning with strategy, creating values and operating systematically". We establish customer orientation, rapid organizational response, concise and efficient processes, rapid business growth, and moderately controllable risks, that is, the management system prevents systemic risks with three layers of protection, namely customer orientation, business-driver, and the entire process. The Board of Directors and its Strategy Committee are responsible for risk management at the company level; the Board of Supervisors oversees risk management conducted by the Board of Directors; the permanent bodies of the Risk Control & Audit Committee under the Board of Directors are the internal control departments, responsible for overseeing and evaluating risk management.



We have established an internal control system based on four control levers, i.e. belief system, boundary system, diagnostic control system, and interactive control system. The coordination, dynamic balance, and effective operation of the four levers ensure the implementation of our strategies.



BOE adheres to the internal control management principle of "integrating into business, based on processes, preventing risks, improving efficiency, and driving business success". We have put in place a general internal control framework at the governance, operational (business/specialty) and financial reporting level. At the governance level are the General Meeting of Shareholders, the Board of Supervisors, the Board of Directors, the Executive Committee and its subordinate specialized committees/working groups. It controls business risks at the overall level and plays an important role in the whole process ranging from decision-making to implementation and supervision. At the operational level are businesses and specialties. Internal control at the operational level is established based on layered authorization and continuously improved to prevent major risks and enable the achievement of business objectives. Business results at the overall and operational level lead to financial reporting. The chairman, Board of Directors, Executive Committee and CFO are responsible for the consolidated financial statements of the BOE Technology Group and the financial statements of the parent Company. CFO has established the group-level financial reporting system to ensure the authenticity and accuracy of financial reports disclosed to the public.

BOE's internal control system consists of examination, evaluation and audit by the Company. We formulate and implement annual internal control development plans according to the regulatory requirements on listed companies and the realities of BOE. The process and system owners and the business executors are in charge of internal examination, which helps identify defects and correct them in time. The internal evaluation is implemented by the audit organization. Based on examination results, the design and operation of major risk areas and key control points are evaluated according to the regular and special evaluations, with a defect report and an evaluation report released. With such efforts, an overhaul is initiated and monitored, and the influence of events before and after the base date of the report is closely followed. Furthermore, we hire independent external accountants to conduct an independent and impartial evaluation of the internal control operations, and issue annual internal control audit reports.

In 2021, in accordance with the internal control specifications of listed companies and the second phase of SOPIC innovative transformation, we revised our internal control system (three manuals) in line with digital reform to guarantee the implementation of innovative changes and enable compliant, efficient business growth. Meanwhile, we improved process efficiency, carried out whole-process tracking and auditing of M&A projects and major investment projects, and formulated the *Interim Measures for Investigation of Liability for Illegal Operations and Investment* to better manage operations and investment.

► Standardizing Compliance Operation

Over the years, we have continued to guide and regulate the business behaviors of employees, management personnel and partners through management enhancement, system improvement and operation standardization, providing a solid guarantee for our long-term steady growth.

● Code of Professional Conduct

The *BOE Code of Professional Conduct* presents the criterion for everyone in BOE to work honestly with high efficiency, implement our strategy firmly, and strictly implement our regulations. The Conduct is also the iron law for staff's professional ethics. All employees shall sign and abide by the *BOE Declaration of Professional Ethics*, follow the employee's basic morals, and accept broad supervision.

BOE Declaration of Professional Ethics

- 📄 Comply with the confidentiality rules and regulations, and do not seek any personal interest by divulging or using the Company's confidential information
- 📄 Hold in high esteem the honor of their occupation, create value, and do not abuse power for personal benefit or damage the Company's interests
- 📄 Abide by the Company's rules and regulations to work in a fair and efficient manner. Do not take or offer bribes. Do not ask for bribes or commit corruption
- 📄 Efficiently collaborate to create shared value. Never prevaricate and set obstacles
- 📄 Report malpractices or the Company's management loopholes in a timely manner



Code of Professional Conduct

Basic ethics

- 📄 Be proud of BOE and be honest and fair
- 📄 Be strict with yourself, adhere to professional ethics and constantly strive for BOE and personal reputation

Self-improvement

- 📄 Keep learning and progressing, improve yourself and pursue excellence

External Communication

- 📄 Perform duties with integrity and fairness and establish a good corporate image
- 📄 Do not accept any form of inducement which may cause to make an impartial judgment
- 📄 Do not engage in any activities contrary to social ethics and morality in daily life and work

Duty performance

- 📄 Act in accordance with the policies and guidelines of BOE, and faithfully perform your duties
- 📄 Abide by the rules and regulations and fulfill the duties assigned by the Company in the best way
- 📄 Take good care of company property and never leak company secrets
- 📄 Maintain good communication and cooperation between colleagues and departments, and strive to improve work efficiency

Avoid conflicts with the Company's interests

- 📄 Avoid personal behaviors and relationships that would conflict with the interests of BOE
- 📄 Use the Company's assets correctly according to BOE's regulations, and do not use the Company's assets for improper personal benefit

● Promoting Fair Competition

We believe in that leading technologies, innovative business models, and quality products and services are the key factors in competition. We advocate fair competition, respect every competitor, and draw inspiration from excellent competitors to constantly seek innovation and change. We strictly comply with relevant provisions of Chinese laws, such as the *Anti-monopoly Law of the People's Republic of China*, the *Anti-unfair Competition Law of the People's Republic of China* and the *Law of the People's Republic of China on the Protection of Consumer Rights and Interests*. We have formulated detailed compliance guidelines, and regularly publish *BOE Compliance of Express Delivery*, resisting unfair attempts to restrict or exclude market competition. At the same time, we continue to improve our external communication review mechanism to guard against unfair competition in publicity.

● Creating a Culture of Integrity

We have established and continuously improved the integrity and dedication system, including the integrity and dedication system for employees and the cooperation system for our partners. By creating a culture of integrity, we grow as an excellent corporate citizen with honest and standardized business operations, transparent management and social responsibility.

BOE's Integrity and Dedication System	
Integrity and dedication system for employees	<p>Regulation system</p> <ul style="list-style-type: none"> System scope: it covers the whole working cycle of employees from recruitment, employee practice, talent management, performance evaluation, manager's performance to resignation. Regulations: <i>BOE Declaration of Professional Ethics, BOE Supervision Outline, Economic Responsibility Audit Management Measures, Fraud Investigation Management Measures, Blacklist Management System, etc.</i>
	<p>Education system</p> <ul style="list-style-type: none"> The training course for integrity and dedication has been carried out according to different levels such as position, title and key business fields, including new hire orientation, daily integrity and dedication education and training for new managers, and integrity education training lectures for managers at all levels, key business areas & major project personnel.
	<p>Implementation system</p> <ul style="list-style-type: none"> Strengthening the ability of the responsible persons and departments to perform their duties. Establishing standardized and effective performance management, and set up incentive and commendation mechanisms.
	<p>Examination and supervision system</p> <ul style="list-style-type: none"> Establishing multiple channels for anti-corruption, such as the mailbox, email, telephone and on-the-spot whistle-blowing, to accept broad public supervision. After receiving the tip-off clues, the Audit and Supervision Organization or the business inspection department shall dispose of the clues according to the established working procedures, and establish a special investigation team to carry out the supervision and investigation.
	<p>Punishment system</p> <ul style="list-style-type: none"> Under the Strategy Committee of the Board of Directors, there is a professional ethics disciplinary committee to deal with violations of relevant regulations and systems.
Integrity and cooperation system for partners	<p>Integrity evaluation system</p> <ul style="list-style-type: none"> BOE has established a set of rules and regulations shared with its partners: No procurement action shall violate the <i>Procurement Red Line</i>; all the partners are required to sign the <i>Integrity Agreement</i>, and their integrity record is required to be assessed. BOE conducts full-life-cycle integrity management for partners, and provides training on quality, internal control, and integrity for partners who do not meet the standards. If partners are found to have fraud during the performance of the contract, they will be implemented in accordance with our <i>Blacklist Management System</i> and the <i>Fraud Investigation Management Measures</i>.

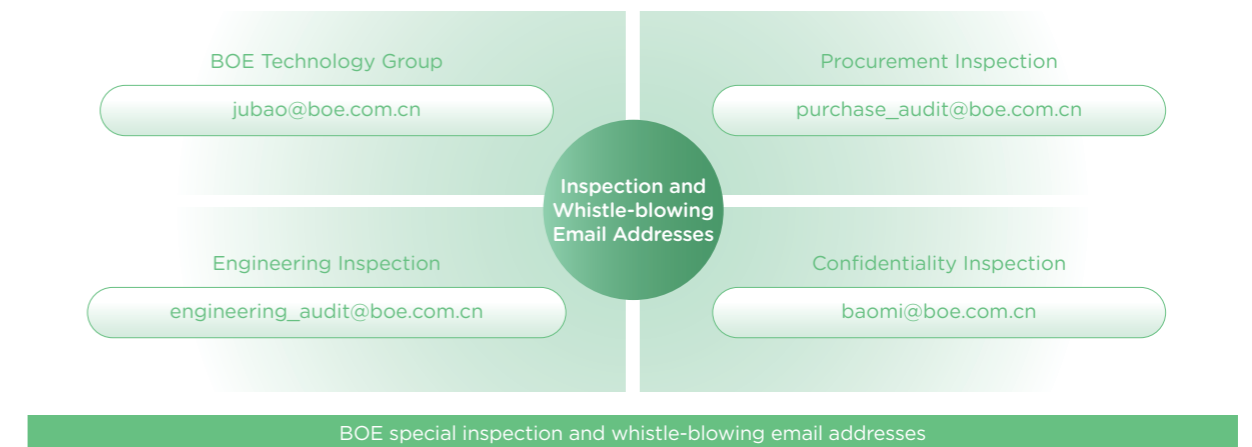
Innovate the form of integrity education and create an atmosphere of integrity



In 2021, to instill integrity values into our employees, we created new ways of integrity education, launching a series of "Call for Original Cartoons" campaign, during which we collected 116 original cartoons, and attracted over 50,000 participants in the selection process. Finally, 10 excellent cartoons were selected for display. This event has created an atmosphere of righteousness and entrepreneurship, contributing to our long-term growth and the implementation of the "Screen of Things" strategy.



We have rolled out *Fraud Investigation Management Measures*, allowing people to send whistle-blowing information via phone calls, email, written letters or in person. We have made these channels known to our people and the public through internal briefing and external announcement. The special whistle-blowing addresses and hotlines are set up with dedicated personnel and relevant departments are required to record and archive all reported incidents. All departments are required to strictly implement the procedures for handling whistle-blowing and complaints and the whistle-blower protection mechanism. We file, approve and report all kinds of whistle-blowing information and incidents in a timely manner.



In 2021

- 100% Signing rate of *BOE Declaration of Professional Ethics*
- 0 cases of corruption that seriously violate the system
- 299 senior management personnel participated in online and offline integrity education and training
- 12 corruption cases were resolved
- 100% of anti-corruption reports responded and solved

We have strict confidentiality requirements for all personnel involved in investigations, and all investigation data are classified for management. All the information and materials in the investigation process are managed as top-secret and confidential documents before and after the punishment decision is made public, respectively. The information and materials involved during the execution of punishment decisions are classified as secret documents before the execution result is announced, and as internal documents after the announcement. This allows us to guarantee the rights and interests of whistle-blowers, as well as information security.

● Respecting IPRs

We are not only the creator of a large number of cutting-edge technologies, invention patents and intellectual property rights but also the advocate and promoter of property rights protection. We always strictly abide by IPR-related laws and regulations, respect the IPRs of all parties, and strengthen our IPR management. We work to ensure that our operations do not infringe upon the trademark, patent, copyright or other IPRs of other companies or individuals.

We are keenly aware of the need to raise the IPR awareness of our employees and managers. Upon their recruitment, employees are trained and educated on the IPR protection to raise their awareness of IPR protection and risk control. We require our employees to obtain necessary permission before using products and services with IPRs. In the external procurement, joint development and technical cooperation, we, together with our partners, under terms of IPR cooperation, have defined rights and responsibilities of patents to avoid related risks for win-win cooperation.

Recent years have witnessed a steady growth in the number of patents we hold, which are top-ranked across the industry globally. As of the end of 2021, we had held more than 70,000 patents available for use. IPR protection is in line with the public interest as well as our development needs.

► Protecting Stakeholder's Rights

BOE is committed to the concept of symbiotic development with investors. The Company actively and extensively listen to their opinions and suggestions, and create sustainable market value for them through scientific decision-making and effective management. At the same time, we actively expand our presence and develop more businesses. Rapid growth and win-win cooperation are what we can give back to our investors for their trust and support.

● Investors Service

We have a professional investor relations management team to enable the long-term, coordinated development of the Company and the capital market. Keeping investor demand oriented, we tailor our services to meet the particular needs of different investors, and hold online meetings in a timely manner after major incidents to update them on our latest operating activities.

To improve our investor communication platforms, we have formulated and strictly implemented a series of investor relations management processes, including the *Investor Relations Management Measures*, the process for investors to visit our Company, the three-tier review process for responses on the "SSE e-Interaction" platform, and the process for responses to investor questions. Through digital platforms such as mini-program BOE IR, we improve work efficiency and facilitate communication between investors and the Company, while ensuring compliance and fairness of investor relations management.

We also put a high value on the rights and interests of individual investors. Our investor hotlines, "SSE e-Interaction" platform and online performance briefings allow them to get close to and know more about us. On the premise of ensuring the legitimacy and effectiveness of the General Meeting of Shareholders, we actively provide minority shareholders with easier access to the General Meeting of Shareholders, such as through online voting. In terms of governance level consisted of the Board, the Board of Supervisors and the General Meeting of Shareholders, we elect directors and supervisors under the cumulative voting system, which is more stringent than the requirements specified in the *Code of Corporate Governance for Listed Companies*. This allows us to effectively protect the voting rights of minority shareholders.

In order to protect the rights and interests of investors, clarify risks and encourage cautious investment, we have set up a "Learn to Invest" column on our official website to further publicize relevant content related to investor protection.

● Investor Communication

We continue to help investors keep abreast of our development and information through multiple channels such as the "SSE e-Interaction" platform, online performance briefings, investor open day, investor hotline, investor mailbox and field research. Meanwhile, we actively participate in the online and offline roadshows and promotion activities organized by the China Securities Regulatory Commission, Shenzhen Stock Exchange, industry associations, securities companies and their research institutions. We also communicate with international investment banks and institutions to strengthen the publicity for overseas investors, and organize a number of strategy meetings and roadshows of overseas institutions. These efforts have effectively promoted investor diversification.

In 2021

- Nearly **1,600** institutional investors served in total
- Answered investor hotline calls more than **1,300** times
- Nearly **1,200** questions answered on the "SSE e-Interaction" platform
- Participated in **44** investment strategy meetings
- **12** door-to-door roadshows held
- **2** online performance briefings and attended **4** performance analysis meetings held

● Information Disclosure

We strictly abide by relevant laws and regulations on information disclosure. With *Information Disclosure Management Measures* in place, we disclose information in a true, accurate, complete, fair and timely manner, continuously improving the quality and transparency of information disclosure.

In addition to regularly disclosing relevant information through regular reports of listed companies, corporate social reports and other channels, we also release the latest company information in real-time on our official website, official WeChat account, Weibo account and other platforms to promptly update the public on our latest operating activities in an all-round way.

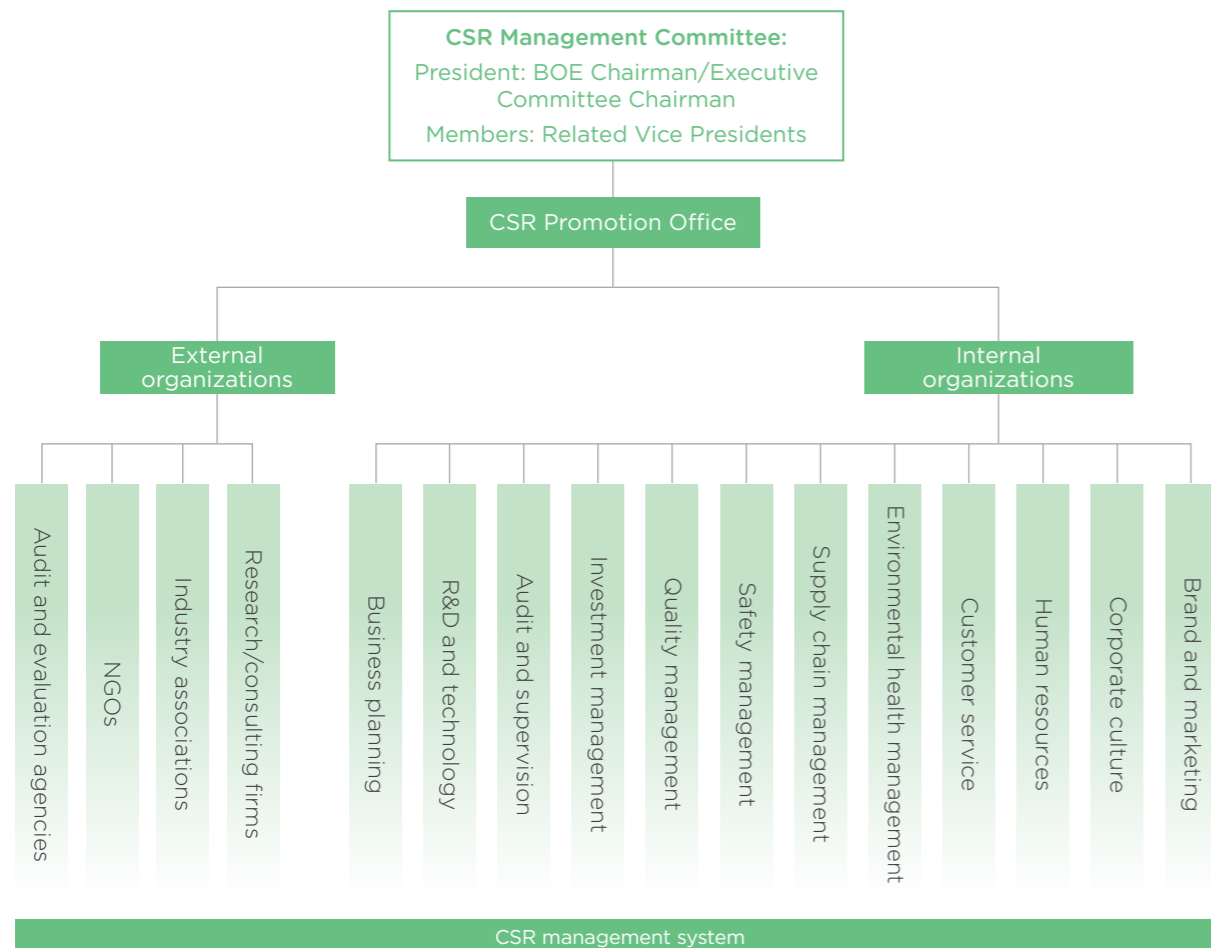
Enhanced CSR Management

We value and practice CSR management, which we consider as a critical part of business operations and sustainable development. Whiling raising CSR philosophy and enhancing CSR governance, we actively communicate with all stakeholders, continuously improve our CSR management system, and strive to build a development community.

► CSR Philosophy and Governance

We continue to evolve the meaning of CSR, improve the CSR system, and create a corporate culture and working environment full of responsibility. To promote CSR awareness and practice, we have established a full life cycle performance management system that takes CSR performance into account. We also encourage updated, innovative and unique methods for CSR management.

We have established an independent CSR Management Committee, which is responsible for studying and establishing related strategies, visions, principles and policies, handling CSR-related matters, and participating in decision-making on related topics. The chairman of the Board (and executive committee chairman) serves as Chairman of the Committee, and members include related vice presidents. In addition, the CSR Management Committee has a CSR promotion department, which is responsible for promoting specific CSR practices and communicating with the CSR officers from relevant organizations of BOE.



● Board Statement

BOE understands the importance of good corporate governance and risk management processes, including the management of CSR-related matters, which are critical to the Company's sustainable development. The Board of Directors (the Board) listens to the report of the CSR executive and oversees the implementation of CSR-related matters in the Company. The Board is responsible for approving and determining the results of stakeholder communication and Material Issues identification, reviewing and approving the Company's annual CSR report before it is released to the public. The annual CSR report of the Company is released after the final approval of the Board of Directors.

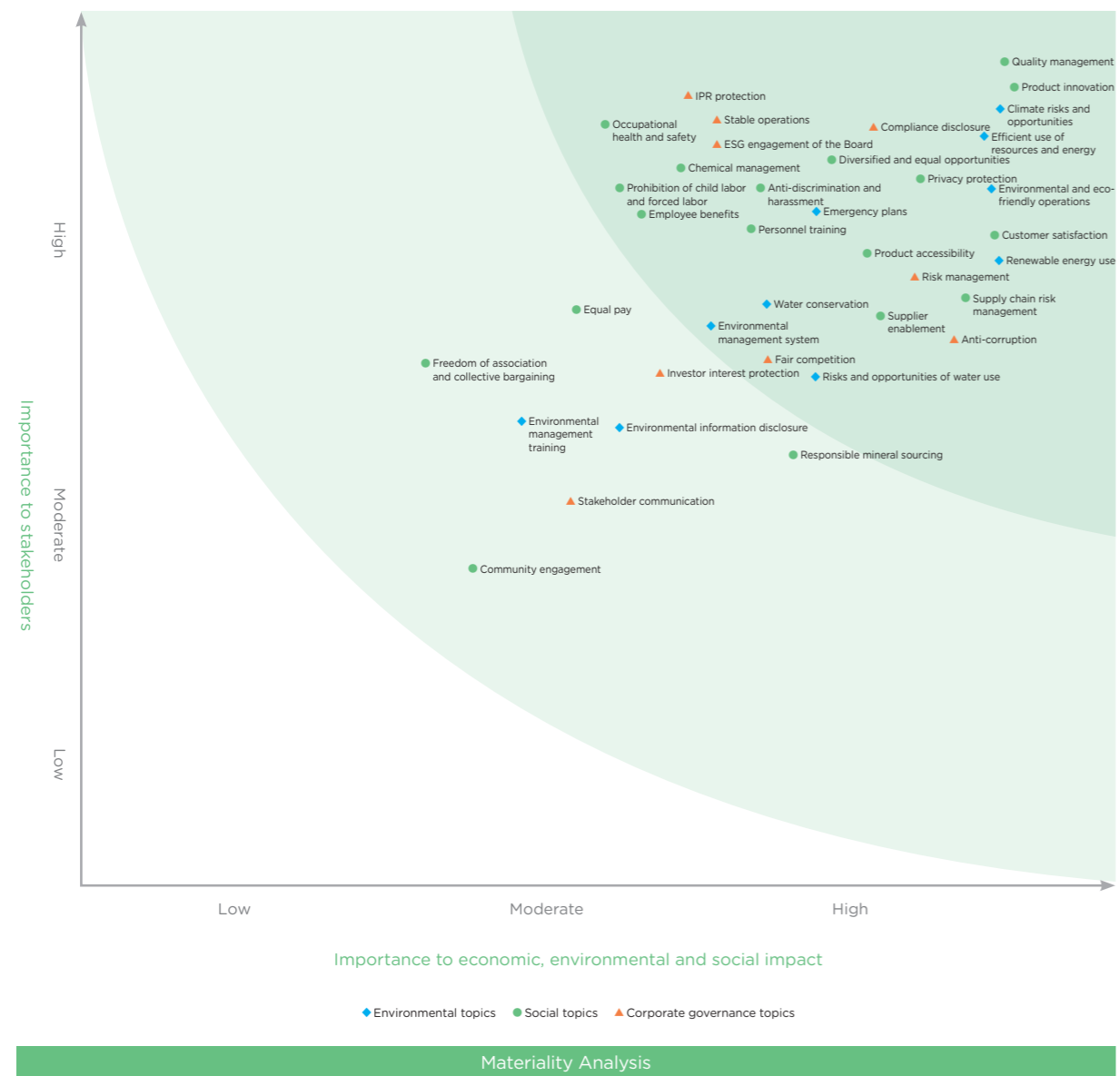
In 2021, the Board continued to follow the major policies and priorities of CSR governance. It guides the Company to carry out CSR actions in corporate governance, technological innovation, environmental protection, community service and other fields, and regularly reviews the outcomes of these actions. This report makes a detailed disclosure of BOE's CSR progress and performance in 2021 and was approved by the Board of Directors on March 30, 2022. BOE's Board and all directors assure that the report is free of fictitious record, misleading statement, or material omission, and will be responsible for the report's authenticity, accuracy, and completeness.

► Materiality Analysis

Our CSR reporting preparation team sorted out our stakeholders and material topics in accordance with the *GRI Standards* published by the Global Sustainability Standards Board (GSSB). Based on our characteristics, as well as the questionnaire survey and expert review, we have identified eight categories of stakeholders.



To better identify material topics critical to our Company, in 2021 we set up a materiality database covering governance, society and environment based on CSR trends in China and other countries, best practices by industry peers, our realities and requirements of *GRI Standards*. Combined with the analysis and evaluation of the management, other major stakeholders, our own strategy and sustainability capability, we prioritized the materiality of topics in two dimensions, namely "importance to economic, environmental and social impact" and "importance to stakeholders".



Finally, 37 topics of moderate or high importance that BOE needs to focus on (see the light green and dark green areas in the figure above) were selected as the material topics disclosed in this CSR report. They include 9 corporate governance topics, 10 environmental topics and 18 social topics.

Governance	Environmental	Social
IPR protection	Climate risks and opportunities	Diversified and equal opportunities
Compliance disclosure	Environmental information disclosure	Anti-discrimination and harassment
Stable operations	Environmental management system	Prohibition of child labor and forced labor
Investor interest protection	Environmental management training	Equal pay
ESG engagement of the Board	Emergency plans	Freedom of association and collective bargaining
Stakeholder communication	Efficient use of resources and energy	Occupational health and safety
Risk management	Renewable energy use	Personnel training
Fair competition	Risks and opportunities of water use	Employee benefits
Anti-corruption	Water conservation	Quality management
/	Environmental and eco-friendly operations	Product innovation
/	/	Product accessibility
/	/	Privacy protection
/	/	Customer satisfaction
/	/	Supply chain risk management
/	/	Supplier enablement
/	/	Community engagement
/	/	Chemical management
/	/	Responsible mineral sourcing

Stakeholder Communication

We are deeply aware that only by working with our stakeholders can we progress together towards sustainable development. As such, we put great emphasis on communication with stakeholders in our daily operations. We constantly improve the communication mechanism, actively listen to and track the needs of stakeholders, and respond positively to their requirements with practical actions.

Content and methods of major stakeholder communications

Stakeholders	Content of Communication	Main Methods of Communication
 <p>Customers and Consumers</p>	<ul style="list-style-type: none"> Compliant operations Product and service quality Customer needs Consumer rights and interests Customer health and safety 	<ul style="list-style-type: none"> Daily communication and visits Online real time customer service Customer satisfaction survey Customer service hotline Customer quality meetings Industry conferences, exhibitions, forums, innovation days BOE Global Innovation Partner Conference
 <p>Investors</p>	<ul style="list-style-type: none"> Status of corporate performance and operation Industry and market status and trends Investor Q&A 	<ul style="list-style-type: none"> Investor service hotline On-site/Online investigations, on-site visit General Meeting of Shareholders Investor interaction platform provided by Shenzhen Stock Exchange Online business performance meeting Investor service column on BOE's official website Investor mailbox BOE Global Innovation Partner Conference Organization strategy meeting Roadshow and anti-roadshow Group Reception Day for Investors of Listed Companies in Beijing
 <p>Suppliers</p>	<ul style="list-style-type: none"> Compliance management and business ethics Attainment of quality targets Sustainability issues In-depth technical exchange Joint innovation Information sharing, business support, etc. Carbon peak and neutrality 	<ul style="list-style-type: none"> Supplier training and seminars Supplier evaluation and audit Industry meetings and forums Suppliers Conference BOE Global Innovation Partner Conference Annual/semi-annual strategic review, quarterly business review, quarterly quality review and quarterly technical review

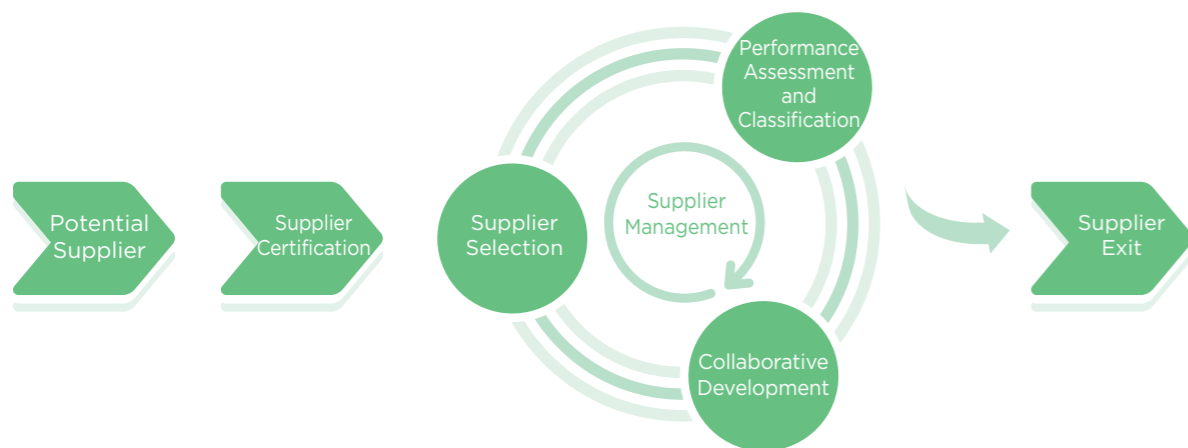
Stakeholders	Content of Communication	Main Methods of Communication
 <p>Employees</p>	<ul style="list-style-type: none"> Employee engagement in corporate development Career development and training Occupational health and safety Employees' rights and interests Compensation and benefits 	<ul style="list-style-type: none"> BOE Chairman's mailbox, Labour Union Chairman's mailbox, General Manager's mailbox, employee assistance mailbox and Complaints Box Meetings and interviews with employees Employee satisfaction survey Employee activities BOE periodicals
 <p>Communities</p>	<ul style="list-style-type: none"> Pollution prevention and control Resource recycling Support for education and environmental protection Charitable services Integration into communities 	<ul style="list-style-type: none"> Information disclosure Field trip Questionnaire survey Charitable projects Community volunteer activities
 <p>Industry partners</p>	<ul style="list-style-type: none"> Technical exchanges Collaborative innovation Industry development 	<ul style="list-style-type: none"> Industry conferences, seminars and other activities BOE Global Innovation Partner Conference Project collaboration We join industry associations, including The Society for Information Display (SID), China Electronics Chamber of Commerce, China Optics and Optoelectronics Manufactures Association and China Federation of Electronics and Information Industry.
 <p>Government</p>	<ul style="list-style-type: none"> Policy implementation Industry development Corporate governance Regional economic development Employment Environmental protection Social charity 	<ul style="list-style-type: none"> Seminars Correspondence Examination and self-examination Charitable projects
 <p>Media</p>	<ul style="list-style-type: none"> Corporate operations Corporate development CSR Information disclosure 	<ul style="list-style-type: none"> Interviews and meetings BOE Global Innovation Partner Conference Other public events Periodic reports and CSR reports

Responsible Supply Chain Management

A responsible supply chain is the foundation for sustainable corporate development. It is also a shared goal and duty of BOE and our industry chain partners. BOE keeps strengthening supplier management and incorporates CSR into all aspects of supply chain management. We drive supply chain partners to fulfill their responsibility and grow with them together through systematic management, professional training, and experience sharing.

Supplier Management Enhancement

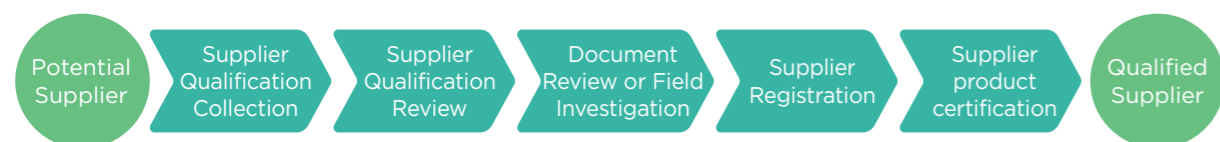
Supplier management effectively shapes corporate competitiveness. BOE continuously optimizes its supplier management system and develops complete procedures of supplier management for strict control from access to exit. Through in-depth cooperation, collaborative development and value co-creation, we also launch strategic supplier development projects to create the most competitive industry ecological chain that features common contribution, win-win results and shared development. By doing so, we can ensure timely, accurate, and flexible delivery, excellent quality and leading technology to achieve customer satisfaction and business objectives.



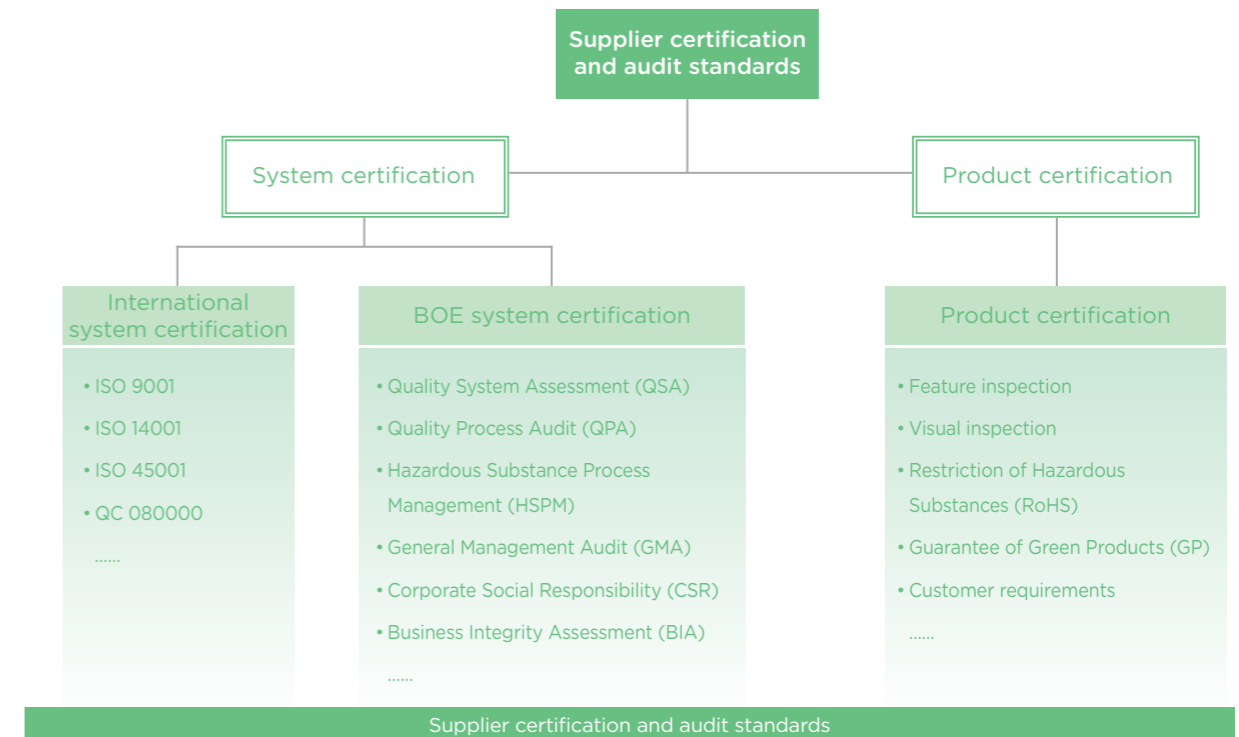
Procedures of BOE supplier management

● Certification Audit

In line with the concept of fair procurement and equal opportunities, BOE selects suppliers based on the integrated optimal principle of technology, quality, service, supply, cost, environment, social responsibility and information security, ensuring that all transactions are conducted according to strict management and the principle of integrity, compliance, transparency and responsibility. Our certification and audit of suppliers is divided into two parts - the system certification and the product certification.



Supplier certification audit process



In order to ensure that the supplier evaluation system runs reasonably and effectively, BOE formulates and updates the supplier evaluation standards on an ongoing basis. In the event of new supplier certification, we set up a certification and assessment taskforce to evaluate the general situation, including operation and management, technology R&D, production, quality management and control, environmental safety, hazardous substance management and control, CSR management system and business integrity assessment. And we lay down detailed assessment criteria and checklists. Only after being certified can suppliers become qualified.

● Performance Assessment

To effectively manage suppliers and maintain orderly competition in the supply chain, BOE assesses the performance of suppliers quarterly and annually, focusing on technology/innovation, quality, responsiveness, delivery and cost (TQRDC). The performance assessment results are divided into four grades of A, B, C and D. Based on the regular assessment results, we emphasize the TQRDC cooperation concept and thus take incentive measures, such as prioritizing new projects for high-performance suppliers. And we provide improvement counseling or disqualify suppliers with poor performance. We conduct annual factory audits for suppliers whose annual performance assessment grade is C. In response to the problems found in the audit process, we urge suppliers to improve the supply system.

● Suppliers' CSR Management

In accordance with SA 8000, ISO 14001, ISO 45001 and other international standards, the *Responsible Business Alliance (RBA) Code of Conduct*, relevant rules and regulations, as well as supplier feedback, BOE has formulated the *CSR Management Regulations for Suppliers*. We have put forward specific management standards on some aspects, such as CSR management system, labor, occupational safety and health, environment, and business ethics.

We require suppliers to sign a letter to confirm the *CSR Management Regulations for Suppliers* at the time of supplier access and promote suppliers of primary materials to conduct CSR self-evaluation. In 2021, 37% of suppliers were rated grade A in CSR performance assessment, up 7% over 2020, while 31%, 28% and 4% were rated B, C and D, respectively.



Human Rights Management

We have developed and released the *BOE Supplier Code of Conduct*, proposing clear requirements for suppliers and subcontractors in labor and human rights management. The document includes the establishment of a system to protect employees' rights and interests, human rights, child/underage/female labor, forced or compulsory labor, working hours and rest, basic wages and social insurance, non-discriminatory systems and behaviors, and freedom of association and communication, striving to ensure that all workers of suppliers are respected of their rights and treated with dignity.

We also require suppliers to respect internationally recognized standards of human rights. It is prohibited to participate in or support any violation of human rights, instead, the dignity of all personnel should be respected and protected. It is prohibited to engage in or supporting corporal punishment, mental or physical coercion or verbal insult, and no employee shall be treated in a rough and inhuman way. In addition, we require suppliers not to employ child labor but to protect underage and female workers.



Scan to learn more about the *BOE Supplier Code of Conduct*

Anti-corruption Management

BOE develops business ethics and integrity management measures for suppliers to carry out access and continuous management. Suppliers shall uphold the highest standards of integrity in all business interactions. Suppliers shall not engage in any form of bribery, corruption, extortion, embezzlement and money laundering. All business dealings shall be transparently performed and accurately reflected on business accounts and records. In addition, suppliers shall not provide or receive any bribery, kickback or any other forms of illegal benefits, including gratuities, securities, payment vouchers and improper gifts.

In addition, suppliers must sign the *Integrity Agreement* and the *Procurement Red Line* and complete integrity assessment before certification and access to BOE's supplier system. BOE also sends the *Official Letter on Integrity Operation* to qualified suppliers every year, urging them to conduct integrity self-inspection and cooperate with partners for continuous improvement. We also conduct full life cycle integrity management for partners, and provide training on quality, internal control and integrity for partners below the standards. If partners are found to have fraud during the performance of the contract, they will be sanctioned in accordance with the *Blacklist Management System* and the *Fraud Investigation Management Measures*.

Work Safety and Occupational Health

BOE attaches great importance to the safety and occupational health of suppliers' employees and requires suppliers to follow the ISO 45001 occupational safety & health management system. We put forward an array of specific regulations and requirements for suppliers by controlling hazard sources, providing a sound and safe workplace, and establishing a health and safety mechanism, striving to ensure the safety and health of their employees.

1

The suppliers shall identify, evaluate, and control the impacts of chemical, biological, and physical factors on employees, and shall adopt engineering or management measures to control the excessive exposure of hazards. When it is not possible to effectively control hazards in these ways, appropriate and well-maintained personal protective equipment should be provided to protect the health of employees

2

The suppliers shall provide a safe and sound workplace and pay attention to safety knowledge and potential safety hazards in the industry. Potential safety hazards should be practically minimized in the process and workplace, and adequate action shall be taken to prevent from accidents or personal injuries

3

The suppliers shall establish and routinely implement a mechanism for detecting, preventing and responding to possible hazards for the health and safety of employees. Employees engaging in operations with occupational disease hazards shall be provided occupational health supervision and appropriate labor protection equipment according to law to ensure their safety and health

BOE's regulations and requirements to ensure the health and safety of suppliers' employees

Environmental Management

In accordance with environmental licensing, reporting requirements, and standards on pollution prevention and resource conservation, hazardous substance management and control, as well as regulations on wastewater, exhaust gas, solid waste and noise, BOE implements access verification and regular evaluations on the environmental risk management of suppliers to promote suppliers for continuous improvement of their environmental risk management, so as to avoid sudden environmental incidents that affect the stability of the supply chain. In 2021, we investigated and analyzed the greenhouse gas (GHG) emission data of over 100 core suppliers in the past three years. Based on the national strategic targets to peak carbon dioxide emissions by 2030 and achieve carbon neutrality by 2060 (China's 30•60 Decarbonization Goal), we advanced suppliers to build a carbon peak and carbon neutrality management system and develop targeted management objectives and control measures about carbon peak and carbon neutrality.

We have established a sound procurement process and green review system. Green review principles and process for supplier are formulated to ensure that suppliers meet the management requirements of the green supply chain. In order to reduce the environmental load from product life cycle, we strictly use products, parts and materials with low environmental load and ask suppliers to follow international standards including RBA criterion, the ISO 14001 environmental management system and ISO 50001 energy management system.

At the initial stage for selecting suppliers, BOE requires suppliers to sign the *Guarantee of Green Products* and explains to them our management requirements for hazardous substances. During critical periods when the supplier enters the supply chain and the product development begins, we set up key control nodes to ensure products are environment-friendly. We also provide third-party RoHS and halogen-free test on a regular basis to make the products meet our hazardous substances control standard. For incoming raw materials, we conduct X-ray fluorescence spectral analysis and inspection regularly according to the high/medium/low-risk level. We also review the environment of and hazardous material from material suppliers based on the *Quality Management Standards for Material Suppliers*.

Risk Management

BOE identifies risks from multiple dimensions and takes corresponding measures. In order to ensure the stable and sound operation of the supply chain, we set the risk rating benchmark to implement risk management of suppliers.

To further strengthen risk control, we have formulated the *Supply Risk Prevention and Control Management Benchmark*, which requires suppliers to pay attention to the environment protection policy on purchasing goods and to strengthen the compliance management of suppliers. We select suppliers with excellent CSR performance and seek alternative solutions for materials in polluting industry. We promote transparent procurement, and adopt electronic bidding to ensure that the price comparison in bidding is fair, transparent and traceable.

BOE supply chain risk identification and response

Supply Chain Risk Identification	Response
Macro Environmental Risk	<ul style="list-style-type: none"> Conduct research and analysis on laws, regulations and environmental protection policies in key regions in advance, and convey the analysis results to suppliers, so as to prevent suppliers from stopping production or limiting production due to changes in laws, regulations and policies, thus affecting the supply
Management Risk	<ul style="list-style-type: none"> Carry out an annual evaluation on the general operating conditions of suppliers, covering legal, financial and other aspects Review suppliers' CSR management, including CSR management system, labor, safety and occupational health, environment and business ethics
Transport Risk	<ul style="list-style-type: none"> Conducting KPI assessment to ensure the transportation safety of logistics suppliers Require suppliers to use a combination of multiple modes of transportation to respond to emergency supply and ensure a stable supply
Moral Risk	<ul style="list-style-type: none"> Establish a sound bidding process. When there are major engineering projects and procurement of important materials and equipment, BOE Audit and Supervision Organization and legal department, etc., carry out whole-process follow-up supervision, and separate bidding from bid evaluation, evaluation from bid selection, so as to ensure compliance and legality of the bidding process Conducting integrity system certification and review on new suppliers. When signing purchase contracts, all suppliers are required to sign the <i>Integrity Agreement</i> and are informed the <i>Procurement Red Line</i> to avoid violations of business ethics and that cause damage to the Company's honest image

As of the end of 2021

- Accident of hazardous substances exceeding the standard: **0**
- Green procurement: **100%**

In 2021

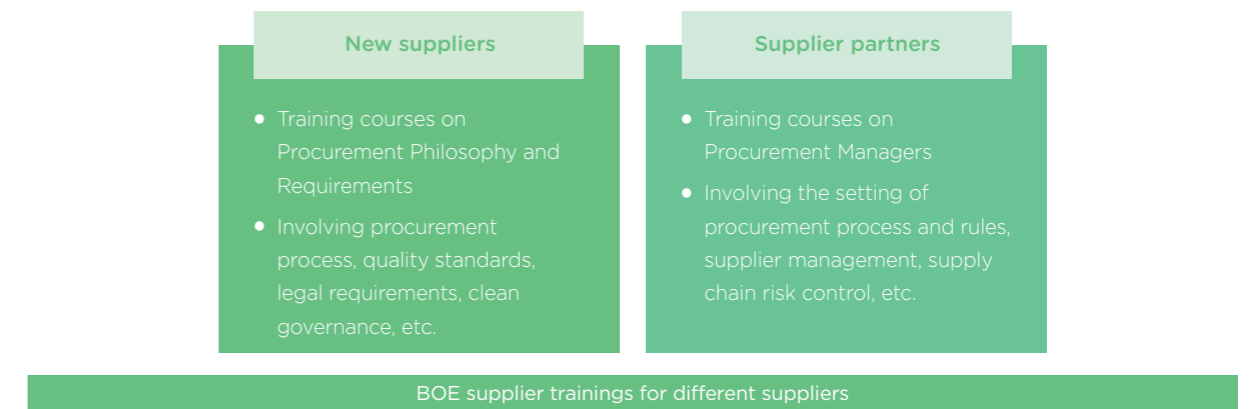
- 5,200** suppliers
- Local suppliers represent: **72%**

Supplier Empowerment

BOE hopes to develop together with suppliers. We provide various training courses for suppliers and continue the supplier development plan to help them achieve full-fledged development.

Supplier Training

BOE provides rich training courses for suppliers at different stages to learn our basic requirements and process of procurement management. In this way, new suppliers can quickly integrate into BOE and the procurement management capabilities of the supplier partners also have been improved, thus facilitating win-win cooperation.



As of the end of 2021

- A total of **9** training courses on Procurement Philosophy and Requirements were held, involving over **230** suppliers
- A total of **4** training courses on Procurement Managers were held, involving over **110** suppliers

We organize an annual intensive training for suppliers around quality improvement. In 2021, we trained more than 300 suppliers' employees, covering the use of Total Quality Management System (TQMS), and specification process. Suppliers interacted and exchanged experience with lecturers by video connection, and satisfactory training effect was obtained.

Focusing on environmental protection, we have developed a professional supplier training plan and promote it from both technology and management. In October 2021, we organized 1,008 employees from over 750 suppliers to attend the supplier GP training conference. Through livestreaming, we introduced to suppliers the latest environmental protection regulations, environmental protection management status and future planning as well as BOE's digital GP management system. The conference not only conveyed our GP management requirements for suppliers, but also improved environmental protection control capabilities of suppliers.



Supplier training on Green Products (GP)



Training on Procurement Philosophy and Requirements

● Supplier Capability Development

Based on the skillful combination of our management experience and methodology with the actual business of suppliers, we continue the supplier development plan. Through multi-dimensional special counseling, we help suppliers improve their capabilities in quality, delivery and innovation to enhance our supplier management, and further advance the collaboration with suppliers from business and strategy to industrial collaboration and value co-creation.

BOE's supplier development plan boosts a liquid crystal material supplier towards full-fledged growth

Case

Liquid crystal material suppliers are key partners of BOE. To empower a liquid crystal material supplier, BOE greatly improved its technical capability by helping it build an innovation system, so that its product verification could be comparable to that of premium suppliers. We also enhanced the supplier's operational efficiency by helping it set up an effective connection between test equipment and background system, and statistical process control (SPC) monitoring of production parameters. Besides, we shared our quality management requirements and industry-leading quality management methods to help it optimize on-site management details, elevate the product quality and ensure long-term safe, stable and top material quality.

▶ Responsible Mineral Procurement

BOE adheres to responsible mineral procurement. We develop the conflict mineral management policy and strictly implement the conflict mineral management process. In the implementation of the raw materials procurement policy, we comply with the Responsible Minerals Initiative (RMI) and *OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas* issued by UN and OECD. All our suppliers and outsourcers and we only source from smelters and refineries approved or certified by RMI, the London Bullion Market Association (LBMA) or the Responsible Jewellery Council (RJC) process. We shall not purchase or support the use of any conflict minerals, directly or indirectly, in areas affected by armed conflicts. We will ensure that all suppliers procure minerals in a responsible manner and respect human rights and the environment in areas affected by conflicts.

Suppliers shall ensure that the gold, tantalum, tungsten, and tin used or contained in the products and packages delivered to BOE are not "conflict minerals" from the areas controlled by any armed forces in the Democratic Republic of the Congo or its neighboring countries	Suppliers shall develop the policies on conflict minerals in accordance with <i>OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas</i> , and convey the policies to next-tier suppliers	Suppliers shall investigate the supply chain in detail, identify and trace the sources of gold, tantalum, tungsten and tin, ensuring the legitimacy of the raw materials source. Suppliers shall truthfully fill in and submit the CMRTs or other documents
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The conflict mineral management policy of BOE

BOE uses the Conflict Minerals Reporting Template (CMRT) developed by the Responsible Minerals Initiative (RMI) to conduct conflict mineral surveys of suppliers every year. In 2021, BOE investigated 101 suppliers of resistors, inductors, capacitors, IC, LED, connectors, metals and other products that may contain gold, tantalum, tungsten, tin or cobalt. According to the research results, the minerals mentioned above in BOE's raw materials meet BOE's supply standards, and come from 235 RMI qualified smelters (cobalt comes from 57 of them).



BOE conflict mineral management process

During 2019-2021

© Proportion of minerals purchased by BOE from conflict-free areas: **100%**



Technology

Pursuing the Development of Excellence Driven by Innovation

Innovation is the source driver to sustainable corporate development. As a global semiconductor display leader and an IoT innovator, BOE adheres to "respect for technology and persist in innovation" and develops a technology innovation system that ensures a leading position for 30 years. Riding on the power of technology innovation, we inject impetus for corporate development to create a better life.



Striving for Patent-led Innovation

Innovation drives development and patents lead innovation. BOE continuously promotes high-quality technological innovation and invests a high proportion of its operating income in research and development every year to advance industry innovation and reform, and lead the formulation of industry technical standards. Our patented technologies cover countries and regions including the US, Europe, Japan and South Korea. They have been widely applied to flexible display, 8K UHD display and fields including smart retail, smart finance, intelligent vehicle, smart park and smart education. We will empower a myriad of application scenarios through "Screen of Things", bring high-quality products and smart software and hardware integrated solutions, and benefit the public with patent achievements.

As of the end of 2021

- Over **70,000** patent applications in total
- 2** patent gold awards, **3** patent silver awards, **24** patent excellence awards and **1** design excellence award in total
- Leading to formulate and revise **84** standards and participating in **219** domestic and foreign technical standards revision

In 2021

- Ranked **11th** in the world in the US patent list²
- Ranked **7th** in the global Patent Cooperation Treaty (PCT) applications
- Listed among Clarivate Top **100** Global Innovators 2022

Formulation and revision of standards presided over by BOE in 2021

International standard

- The *Flexible display devices Part 2: Essential ratings and characteristics* was approved. It is China's first of its kind in the field of flexible display

National standards

- The *Internet of things - Electronic shelf label system - General requirements* and the *Electronic dye liquid crystal switchable glass* were approved, filling the gap of domestic industry standards
- Four national standards of LCD and OLED display were officially released, including the *Liquid Crystal Display Devices - Part 10-2: Environmental, Endurance and Mechanical Test Methods - Environmental and Endurance*, the *Liquid Crystal Display Devices - Part 20-3: Visual inspection - Active Matrix Colour Liquid Crystal Display Modules*, the *Liquid Crystal Display Devices - Part 6-1: Measuring Methods for Liquid Crystal Display Devices - Photoelectric Parameter*, and the *Organic Light Emitting Diode (OLED) Displays - Part 6-3: Measuring Methods of Image Quality*

Group standard

- The *Evaluation for Display Viewing Experience* was released as the first "quality standard for the display industry" in the field of e-commerce through "S+" brand operation with dozens of customers and e-commerce platforms including Hewlett-Packard Company

BOE initiates a patent pool to benefit the public with technology

Case

In order to make the patent achievements more widely beneficial to the public, in 2021, BOE initiated a series of patent pools themed on "Creating Atmosphere, Empowering Growth, Promoting Development" together with the State Intellectual Property Operation Public Service Platform (SIPOP) and a number of advanced AI and IoT innovation companies, and released the first phase of the AIoT patent pool and the public welfare patent pool of "Technology Benefits People's Livelihood".

AIoT patent pool consists of fields of computer vision and speech and natural language processing. BOE's patents listed in the pool involve technologies including image detection, image super-resolution, face/gesture recognition and voice interaction, providing a convenient and preferential package of patent licenses for micro and small enterprises to empower a multitude of industries. Our patents in the public welfare patent pool involve guide, guardianship and other medicine & engineering integration technologies that help the disabled and the elderly, providing more intelligent and convenient services for the daily life of vulnerable groups with technology.

² Source: 2021 Statistical Report released by IFI Claims.

Creating a Display Brand

In the course of growing with China's semiconductor display industry, BOE has ranked first globally by shipments of both display devices and five mainstream products³. We facilitate China's display industry grow into a key contributor to the global display industry, keep creating value for customers, and bring consumers new experience to continuously lead sound industry development.

Releasing the Display Technology Brand

In 2021, BOE officially released the first technology brand in China's semiconductor display field, which is composed of three sub-brands: high-end liquid crystal display technology ADS Pro, high-end flexible display technology f-OLED and high-end glass-based new LED display technology α-MLED. The release not only represents BOE's continuous innovation in the field of display technology, but also demonstrates China's technology confidence in global market competition, creating a new era driven by the dual value of "technology + brand".



The release of our display technology brand not only promotes comprehensive innovation in the industry, but also drives the industry to develop more quickly, passionately and healthily. This move is an important milestone in the development of domestic industry and even the global display landscape, and marks another global leadership of China's display technology at the brand level.



Zhongcan OUYang, Academician of the Chinese Academy of Sciences

ADS Pro

Based on BOE's self-developed ADS technology, ADS Pro has advantages of full viewing angle, no color shift, and ultra-high refresh rate, featuring BOE's unique and industry-leading high-end LCD technology solution and bringing customers a smoother and more realistic picture experience. Via ADS Pro technology, we released 75-inch 8K 288Hz display, 110-inch 8K naked-eye 3D display terminal, 27-inch FHD 500Hz + display, 14-inch health eye-protecting notebook and 27-inch FHD low-carbon display.



³ The data comes from the 2021 annual data of Omdia, a global market research agency.

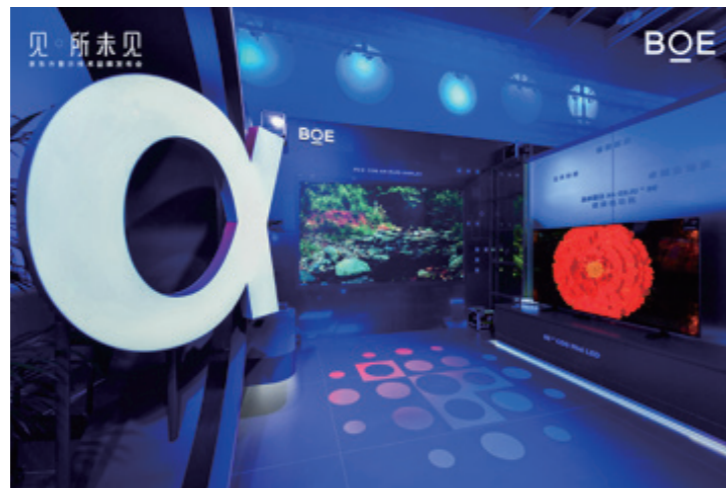
● f-OLED

f-OLED represents BOE's unique high-end flexible OLED technology solution with advantages of gorgeous colors, changeable shapes and high functional integration, which can bring users an immersive fashion experience anytime and anywhere. Based on f-OLED technology, we have developed a series of subversive flexible display products, including 12.3-inch flexible AMOELD instrument assembly, three-fold OLED, dynamic 360° folding display, slider and wristband mobile phone.



● α-MLED

α-MLED is an industry-leading technology pioneered by BOE based on glass-based semiconductor process and advanced micron-level packaging process for display and backlight products. With advantages of ultimate picture, healthy low-frequency flicker, high flatness, high consistency and high resistance to temperature and humidity, the eco-friendly α-MLED can realize truly free and seamless display panel splicing. We rolled out glass-based AM P0.9 direct display products, P0.9 glass-based Mini LED, 75-inch 8K Mini LED and 86-inch 8K Mini LED. We also developed Mini/Micro LED display solutions to empower application scenarios, bringing ultimate visual enjoyment to users.



A number of domestic and foreign brands such as AOC, Skyworth, Hisense, Lenovo, OPPO, vivo and Xiaomi have joined hands with BOE to promote the implementation of the technology brand. Display technology has been widely applied to scenarios amid the digital wave as one of the icons marking the world's access to the era of IoT.

▶ Innovating in Display Technology Products

As a global semiconductor display industry leader, BOE continues to innovate in high-quality technological. In 2021, we made technological iterations in 8K and flexible OLED with numerous innovative products.

● 8K UHD

BOE facilitates the domestic large-scale events with a 8K UHD solution that integrates 5G+AI technology and the industry's first 75-inch 8K professional monitor in support of both 4-link 12G-SDI and HDMI2.0. We continuously promote the development of 8K UHD industry ecological chain and the application, popularization and iteration of 8K technology.

BOE 8K display technology helps UHD live broadcast of world-class ice and snow events



As an 8K UHD technology partner of China Central Television (CCTV), BOE contributed to its first ever 8K live broadcast of top international ice and snow events by promoting the development and popularization of 8K UHD display from technical support and application promotion.

In terms of technical support, we made core technical breakthroughs around broadcast and developed 110-inch, 75-inch and 31.5-inch 8K professional monitors to satisfy the demand of professional users for high-end display. In particular, our 75-inch 8K professional monitor was designed for China's first 8K + 5G OB van, which can transmit pictures accurately, in real time and at high definition to ensure UHD broadcast across the country. In terms of application promotion, we have provided nearly 200 super-large 8K TVs in more than 150 communities, ten universities, sports venues, the National Centre for the Performing Arts, the Ministry of Science and Technology of the People's Republic of China and the subsidiary administrative center in Beijing. UHD live broadcast of international top ice and snow events can bring the audience real, shocking and immersive on-the-spot viewing experience.



BOE helps the first 8K live broadcast of international top ice and snow events

● BOE iGallery

BOE launched iGallery T1, an intelligent interactive screen integrating paper-like eye-care, aesthetic education and intelligent education. Applied to a multitude of scenarios including smart classrooms, campus public areas and video conference rooms in universities, primary and secondary schools and kindergartens, iGallery T1 can assist teachers in all-round multimedia smart teaching to improve quality and efficiency of teaching and care for the eye health of both teachers and students.



BOE iGallery T1

● BOE iGallery E3

BOE iGallery E3 provides AI intelligent companion assistant (distance/shaking/flip/brightness/eye time reminders), parents mode and eye protection services to protect the eye health of kids in terms of hardware display, software functions and eye protection services.



BOE iGallery E3

● Paper-like Eye-care Display

In 2021, BOE's paper-like eye-care technology platform made breakthroughs in paper-like eye-care display technology and AIoT eye-care monitoring technology. A number of technologies, including non-destructive Gamma patented technology low blue light, no flicker, anti-glare, smart photosensitivity, smart image matching, vision detection, smart reminder, and distance and duration monitoring, were applied to products. We independently developed paper-like wide viewing angle and other display technologies, and launched medicine & engineering integration projects of visual health and display technology in cooperation with well-known ophthalmology and optometry hospitals/experts in China.



Paper-like eye-care display

Building Smart IoT

While implementing "Screen of Things" strategy, we have accelerated IoT transformation to continue empowering application scenarios with cutting-edge innovative technologies and provide IoT innovative solutions for smart finance, smart retail, smart parks and smart education in combination with smart terminal products.

▶ Smart Financial Solution

Under the "Screen of Things" strategy, BOE's smart finance solution improves customer experience from interactive perspectives including vision, hearing and touch based on a number of cutting-edge technologies such as AI, big data, and cloud computing. We strive to simplify the banking business process, and create banks into a comprehensive platform that integrates online and offline services composed of business, experience and marketing. In terms of technology accumulation and application, the integrated smart outlet management platform integrates subsystems including integrated information release, targeted marketing, intelligent edge computing and outlet portrait analysis to offer outlets comprehensive digital operation and management services, and enhance their overall management and operation capabilities.

In 2021, we assisted large commercial banks including Industrial and Commercial Bank of China (ICBC), China Construction Bank (CCB) and China Minsheng Bank (CMB) in intelligent transformation of outlets in more than 20 provincial branches. We have served more than 2,200 bank outlets for digital transformation, and their digital transformation capability has ratcheted up.

In 2021

© 13 representative outlet projects were undertaken and completed in smart finance



CMB Zhongguancun Intelligent Flagship Outlet



ICBC Chunxi Sub-branch 5G Smart Outlet

Smart Retail Solution

With Internet data center and cloud computing as infrastructure, BOE builds a business platform system mainly based on smart retail and smart logistics to provide ecological partners with software and hardware integrated scenario solutions on an industry digital platform. The system has dramatically enhanced the operational efficiency of retailers. In 2021, BOE's smart retail business focused on retail and low-carbon display, with products tending to developed in low-carbon series.

As of the end of 2021

- BOE Retail IoT solutions were provided to more than **250** retailers around the globe
- Electronic shelf label (ESL) products and smart retail solutions served more than **30,000** stores in over **60** countries

Improve store operation efficiency

ESL automatic price-changing

- Connect ERP and POS through API, documents and databases to obtain commodity information, and send it to electronic shelf labels in batches, update price and commodity information, reduce manual verification, and meet the retailers' needs for the same online and offline price

Shelf monitoring system

- Improve sales volume by identifying shortages promptly, and provide performance indicators and out-of-stock goods reminders

Commodity positioning & picking management system

- Use LED flashing lights to help find the location of designated products for faster picking

Commodity display system

- Issue display instructions at one click and help stores quickly execute their plans with price tags

Large display information publication system

- Carry out large display content materials management, online program editing, scheduling, equipment management, and publication review

Improve store consumption interaction

Shelf advertisement

- Use shelf labels and on-site large screen to display brand advertising information to increase exposure and boost sales

Display of product mini webpage

- Obtain more product details by scanning the QR code on ESL or through the NFC function to enhance interaction and enjoyment



Application of smart retail solutions in a customer store

Smart Park Solution

Leveraging core technical capabilities of IoT, AI, big data and industry cloud, BOE has built a powerful digital park management platform running on a full-scenario digital operation mode based on intelligent equipment, software systems and rich experience in industrial park operation and services, thus effectively upgrading park management services.

By the end of 2021, BOE's smart park solution has been applied in over 20 cities including Beijing, Tianjin and Chongqing. Ten smart subdivision scenario benchmarking projects have been built, including cultural tourism parks (Taoxichuan Ceramic Art Avenue and Taoyangli Historic District), commercial park (Shanghai CITIC Pacific Plaza), cultural and sports venue (Chongqing Longxing Stadium), hospital (Yuncheng Central Hospital), industrial park (Yantian Logistics Port) and campus (Qingdao 21st Century School) and so on.

Overview on the interface: BOE IoT platform tackles the burning pains for manufacturing parks

Case

To tackle burning pains including assorted hardware types, manufacturers and protocols in manufacturing parks, BOE's IoT platform provides unified data support services and full-scenario application support, including equipment security authentication, intelligent data processing, data subscription and visual analysis. On November 11, 2021, the leadership cockpit, an IoT application system based on BOE IoT platform, was piloted in a manufacturing park based in Chongqing. While synchronizing equipment, resources and applications in real time, the leadership cockpit displays real-time data and controls all equipment of hazardous chemicals vehicles, street lamp equipment and irrigation conditions on a map to effectively enhance the park operation.



BOE's IoT platform interface

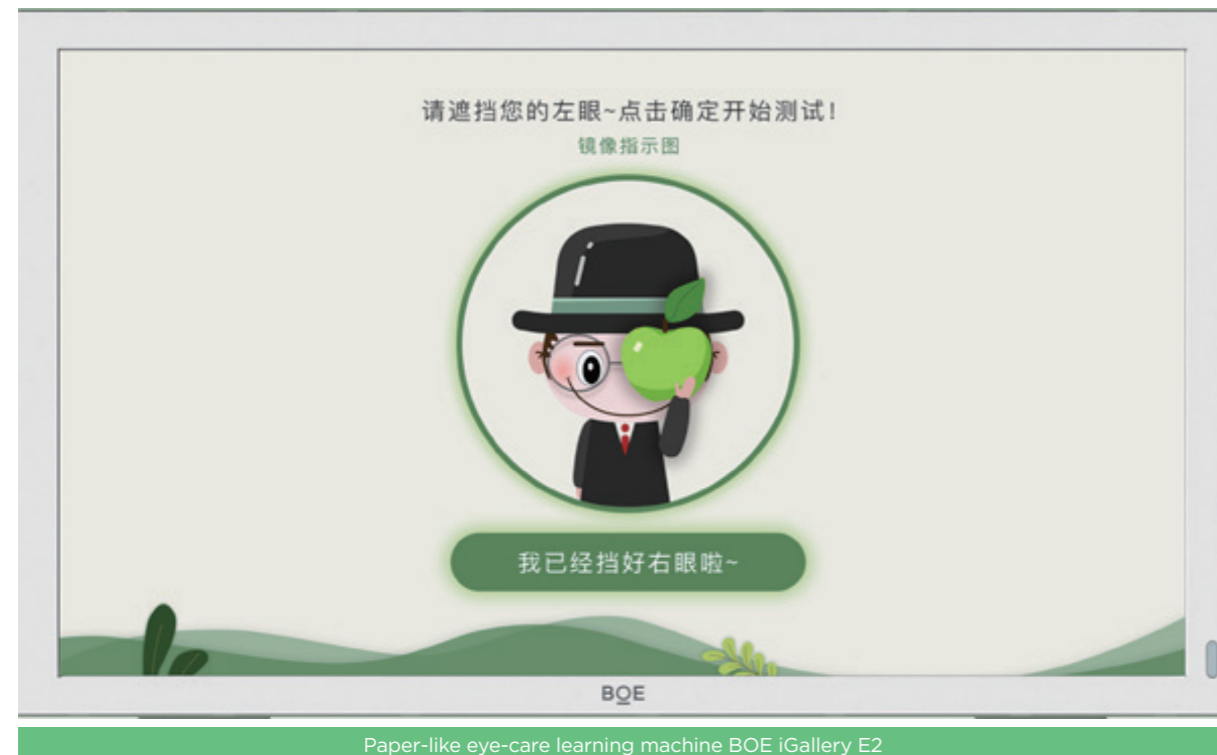
Smart Education Solution

Focusing on paper-like eye-care display technology and in adherence to the concept of medicine & engineering integration, BOE continues to build intelligent display terminals beneficial to visual health. We have launched a variety of medicine & engineering integration products, including paper-like eye-care learning machine-BOE iGallery E2, and paper-like eye-care learning tablet-BOE iGallery E3, to protect the eye health of children and adolescents.

BOE iGallery T1, an intelligent interactive screen integrating paper-like eye-care, aesthetic education and smart education, has been applied to a multitude of scenarios including smart classrooms, campus public areas and video conference rooms in universities, primary and secondary schools, and kindergartens. Equipped with teaching software tailored for general education, iGallery T1 covers teaching before, during and after the class, analyzes the data of students and learning situation, and runs through the data feedback channel. It can assist teachers in all-round multimedia smart teaching to improve teaching quality and efficiency, realizing real individualized education.



BOE iGallery T1



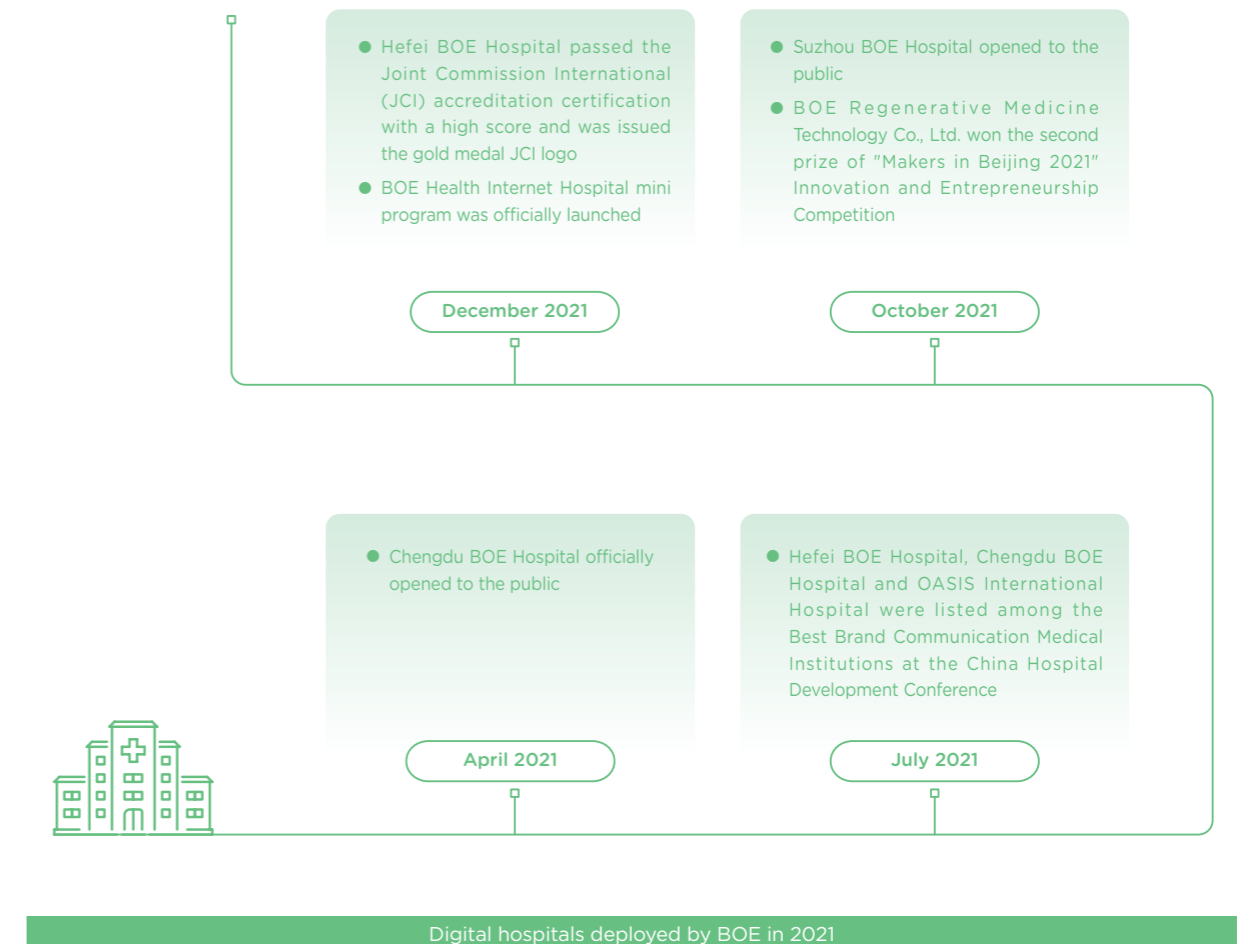
Paper-like eye-care learning machine BOE iGallery E2

For a Healthier Life

As a crucial innovation engine for IoT transformation, smart medicine & engineering integration business is our strategy towards future human health and happiness. We boost the innovation in medicine & engineering integration through technology empowerment. Based on digital hospitals, we pool the world's top resources to build a graded diagnosis and treatment system with the health IoT platform as the core and develop a smart health management ecosystem.

Digital Hospitals

People-oriented, BOE offers full-cycle health care services from prevention, diagnosis and treatment to rehabilitation. We have deployed a number of digital hospitals in cities including Beijing, Hefei, Chengdu and Suzhou to facilitate medical support and help build a better life.

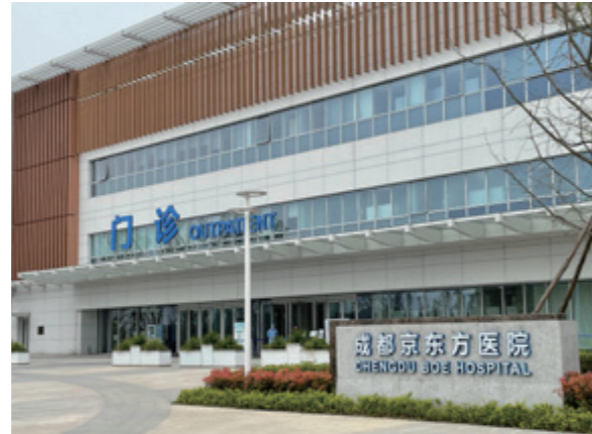


Digital hospitals deployed by BOE in 2021

Chengdu BOE Hospital officially opens to develop into a smart medical innovation model in southwest China



In April 2021, Chengdu BOE Hospital, a smart hospital created by BOE, officially opened to the public. It adopts the mode of "outstanding specialty and comprehensive service". On the basis of standards set for a tertiary hospital, cutting-edge disciplines including precision medicine, biotechnology and minimally invasive medicine are developed to provide smart medical services including smart clinic, smart nursing and smart medical technology. The innovative operation mode has enhanced its operational efficiency, and medical professionals will provide patients with more personalized and high-quality medical services. Since its opening to the public, the hospital has expanded its medical services to southwest China and greatly improved the medical service in this region.



Chengdu BOE Hospital, a smart hospital created by BOE, officially opens to the public

Health Technology

Health technology is positioned as an innovative incubation platform for medicine & engineering products, covering medical & engineering integration terminal equipment and solutions. Our smart terminal products prioritize technologies, including microfluidic chip, undisturbed monitoring and early cancer screening, but not limited to mobile, non-invasive and medical-grade health monitoring products. With focus on smart hospitals and smart healthcare, our medicine & engineering integration solutions are committed to offering collaborative health IoT solutions for families, communities and hospitals.

In terms of smart hospital solutions, BOE empowers the Internet hospitals and their digital upgrading around smart medical care, smart services and smart management. Leveraging the professional accumulation in medical big data and medical AI, we have created an integrated digital management solution for vertical diseases including hypertension, diabetes, COPD and somnopathy inside and outside hospitals. It can help hospitals extend health management to family and community scenarios, run further through the "hospital-community-family" medical service network, and improve the graded diagnosis and treatment system.

In terms of smart health care solutions, with focus on scenarios of the community and family, BOE has formed a smart health management ecosystem by building a health IoT platform for smart "people-thing-service" connection and a digital health community. We provide closed-loop online and offline digital health services with health management as the core, smart terminals as the tool and digital community as the underpinning part, aiming to organically integrate professional medical services with community health management scenarios, and benefit the public with premium medical services through the Internet and IoT.

Fangshan District Urban Management Committee of Beijing Municipality

BOE and Fangshan District Urban Management Committee of Beijing Municipality set up the first scientist health management center in Zhongguancun Frontier Technology Research Institute that features medical services in multiple scenarios to provide strong health security for employees

Mega Genomics

BOE and Mega Genomics provide health services for early detection, early diagnosis and early intervention of gastric cancer to the public in health examination

BioChain

BOE and BioChain carry out full-fledged cooperation in product technology development, equipment R&D, health management services, joint efforts of specialist diagnosis & treatment, and health park operations

Dongyang Health Bureau

BOE and Dongyang Health Bureau have launched cooperation in both chronic disease management platform and intelligent terminal equipment to build a livelihood project across Dongyang. BOE's integrated solution for chronic diseases has been implemented in Dongyang

Peking University Third Hospital

BOE and Peking University Third Hospital have released a new graded COPD diagnosis and treatment model, created a new IoT management process of prevention, diagnosis, treatment, health care and education

For osteoporosis patients, we strive to build a technology support platform and system for applications including comprehensive disease diagnosis and treatment, evidence-based medication, health trend, chronic disease management and medical treatment behavior, and formed an integrated demonstration system of osteoporosis chronic disease management covering prevention, health care, diagnosis, treatment and rehabilitation

Cooperation cases of BOE and multi-field partners to promote the development and application of health technologies

Health Management

Leveraging the resources of the Chinese PLA General Hospital (301 Hospital), BOE has built a health care expert team and an expert pool composed of 31 prestigious members from nine common disease departments including digestion, cardiology and maternity. We conduct business based on the Internet hospital platform integrating online and offline resources and have established a market model focusing on partner expansion. We have signed contracts with three monomer hospitals and six doctor teams, covering common departments including respiratory, oncology and neurosurgery. We have also established strategic partnership with ten offline resource channels and doctor groups.

For patients, we have established a membership-based health management system to implement the graded disease prevention strategy for all groups and dynamically monitor their health status. For customized physical examination items, we offer a variety of tumor screening items and engage the team of multidisciplinary doctors and experts to interpret report results. We generate lifelong exclusive 3D health records and offer special management services including chronic disease management, weight management and postoperative rehabilitation management for people with the demand for continuous health care. With our featured IoT data monitoring equipment and professional medical team, we also provide vertical and refined whole-course management for a single disease and engage our team of multidisciplinary doctors to provide users with professional diet, exercise and medication programs.



Environment

Pursuing Green Development to Safeguard Our Homeland

We are committed to co-existence with the environment and practice our commitment to the environment with green system, green products and green operations throughout the whole process. We have been developing new ways to improve energy efficiency, reduce emissions and save resources. We also implement the environmental management across the whole lifecycle of products from the R&D to design, procurement, production logistics and recycling, to contribute to a sustainable environment. At the same time, we keep developing green products and technologies, and exploring the use of new technologies to deal with new environmental problems and challenges, so as to achieve a virtuous circle of symbiotic development between BOE and the environment, and build a green ecosystem.



Environmental Management

With consistent focus on environmental protection, we have formulated and implemented standards and system for environmental management. Meanwhile, we are improving our environmental behavior by strengthening environmental risk prevention and control, so as to prevent environmental problems before they happen. Our sound management enables us to build an efficient, clean and sustainable ecological environment.

▶ Sound Management System

With the vision of leading green development and creating a better life together, we are dedicated to effective environmental protection in all parts of our production, operation and management, such as energy-saving and emission-reduction projects. We continue to improve our environmental management system in active response to global climate change, and think carefully about how we can grow in a sustainable manner.



Green development vision

Leading green development and creating a better life together

Basic principles

- To improve the environment is an integral part of the operation
- Minimize the environmental impact of products and services in the full life cycle
- Make partners pay attention to and reduce the environmental impact of products and business activities, improve the environmental risk prevention and control management system, and avoid environmental pollution incidents
- Establish environmental risk prevention and emergency management system to avoid and deal with environmental pollution incidents in a timely manner
- Provide environmental impact information related to business activities in an objective and open manner
- The top management of BOE is responsible for formulating and implementing an action plan based on the above principles

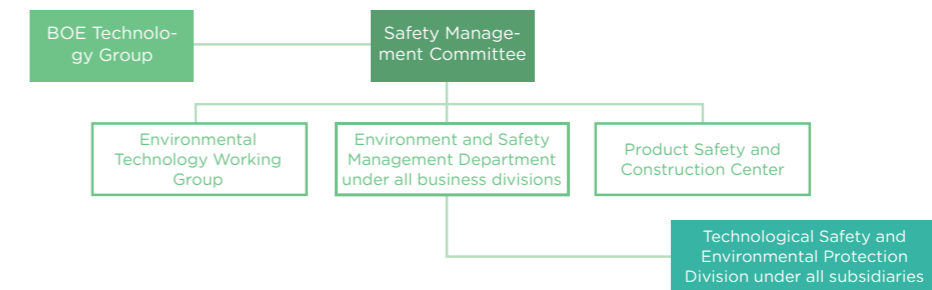
Main tasks

- Improve green performance and build green factories
- Build a green supply chain and lead the green development of the industry
- Establish green standards and databases to form a green management and control system
- Develop clean energy
- Improve the environmental risk prevention and control management system to avoid environmental pollution incidents

Environmental management mechanism

● Environmental Management System

We keep improving the environmental management structure from top to bottom, and ensure the improvement of overall environmental performance, with a sound environmental management system based on ISO 14001. In strict compliance with Chinese laws and regulations, including the *Environmental Protection Law*, *Law on the Prevention and Control of Atmospheric Pollution*, *Law on Prevention and Control of Water Pollution*, and *Law on Prevention and Control of Environmental Pollution by Solid Waste*, we respond to the policies on environmental protection. We have also created a green environment management system in line with the requirements of ISO 9001, QC 080000, ISO 14001, and ISO 50001. In 2021, we improved the organizational structure and system for energy and environmental management. We rolled out six management systems, including the *Product Lifecycle Environmental Factors Management Measures* and *Environmental Risk Management Measures for Operating Units*.



Environmental management structure

● Environmental Information Disclosure

To make the public understand our environmental management comprehensively, we release environmental data to relevant departments and the public in a timely manner through a variety of channels⁴, and accept supervision and suggestions from all walks of life. Meanwhile, through environmental cost management, we can accurately grasp environmental expenditure and better know the achievement of environmental improvement measures, which will help optimize the environmental strategy and management process. In 2021, the environmental management expenditure amounted to RMB 742.9832 million. We have completed CDP's Climate Change and Water Security questionnaires, where our scores were at the management and awareness level respectively. In the future, we will further enhance information disclosure on water security, carbon emission targets and carbon emission reduction activities.

The BOE Environmental Protection Case column

- The column on BOE's official website discloses daily/monthly/quarterly environmental monitoring data of BOE's key pollutant discharging subsidiaries in Beijing

Report to the departments of ecological environment online

- According to the requirements of the local departments of ecological environment, each subsidiary shall report the environmental monitoring data of wastewater and exhaust gas from online monitoring system to the local departments of ecological environment every 5 minutes, every 2 hours and every day

Report to the local departments of ecological environment

- In accordance with the requirements of the local departments of ecological environment, each subsidiary shall report and register hazardous waste, declare a hazardous waste management plan and report environmental pollutant monitoring plan to the local departments of ecological environment every year

Self-monitoring Information Release Platform for Key Monitoring Enterprises

- The environmental monitoring data of the BOE subsidiaries are disclosed daily on the "Self-monitoring Information Release Platform for Key Monitoring Enterprises" in relevant provinces and cities

Channels and methods of environmental information publicity

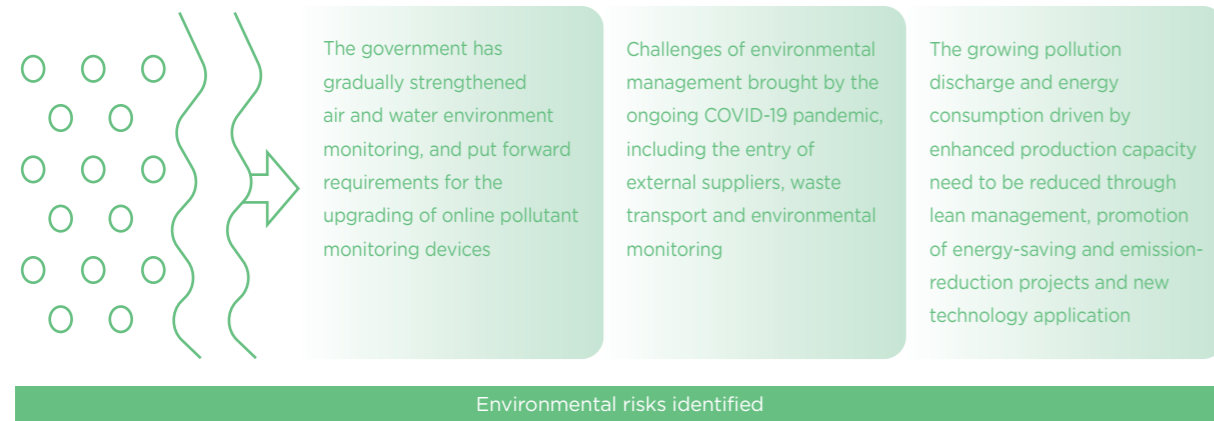
⁴ For more environment data of BOE, please log on to <https://www.boe.com/about/socialResponsibility>

Environmental Risk Prevention

Globally, many businesses have come to realize that climate change and environmental degradation present new risks and opportunities for their growth, sustainable development and competitiveness improvement. So has BOE. That's why we continue to strengthen the identification, prevention and control of environmental risks. We improve our ability to withstand environmental risks by establishing an environmental emergency response mechanism and carrying out emergency drills for environmental incidents.

Environmental Risk Identification

To improve our environmental performance, we have analyzed and identified various aspects of environmental risks for systematic management and targeted measures. In 2021, there was no environmental pollution incidents, excessive discharge accidents and government penalties of the Company.



Risk Prevention and Control Mechanism

We have compiled the *Emergency Plan for Environmental Emergencies* and *Risk Assessment Report*, put them on record with the local environmental authorities, and revised them regularly in accordance with the latest laws and regulations. In the meantime, we have plans for environmental emergency drills. Following the principle of "Three Verifies" and "Three Covers", we regularly complete emergency drills for chemical leakage, waste and water discharge and related secondary disasters.

Three Verifies	Three Covers
Verify the feasibility of the emergency plan	Cover all plans
Verify the adequacy of emergency supplies	Cover all personnel
Verify the ability of personnel to handle emergencies	Cover all teams

Three Verifies and Three Covers in risk prevention and control

BOE carries out drill for possible sewage overdischarge



In March 2021, we carried out a drill for over discharge in waste water treatment (WWT). This drill had verified the feasibility of our *Onsite Treatment Plan for WWT Excessive Emissions* and on-site emergency supplies reserve. This activity was also significant for our staff to familiarize themselves with basic first aid skills, the use of first aid and emergency equipment and the operation steps when the discharge of each indicator exceeds the standard.



Employees check instrumentation and dosing systems

Green Operations

As an advocate for green operations, we continue to increase investment in environmental protection. We strive to minimize our environmental impact by reducing emissions, saving energy, controlling hazardous substances and building green products in all aspects of production and operations.

▶ Energy Conservation and Emission Reduction

We continuously strengthen the management of energy, water resources and various wastes. Our green projects have enabled the conservation of energy, water and other resources, as well as a reduction in the discharge of waste water, solid waste, sulfur dioxide and other toxic and hazardous substances, striving to contribute to improving the living environment of mankind.

● Energy Management

In accordance with the ISO 50001 system, we have developed a set of energy management systems, carried out energy assessment, established energy benchmarks, and formulated energy targets and action plans. We regularly monitor energy performance, and control energy consumption in production. By building an energy management platform that enables real-time view and capture of energy data, we ensure the benchmark of our energy-saving and emission-reduction projects run smoothly. In 2021, we carried out 285 energy-saving and emission-reduction projects, reducing the use of resources and energy consumption per square meter.

BOE Beijing Gen 5 TFT-LCD production line undergoes CDA system renovation for saving electricity



In 2021, our Beijing Gen 5 TFT-LCD production line renovated the compressed dry air (CDA) system, including the dryer and air compressor. For the former, we choose to utilize frozen water for heat exchange and energy regeneration; For the air compressor, CDA partial pressure transformation will reduce its operating power, saving 17.31 GWh of electricity.



BOE Beijing Gen 5 TFT-LCD production line under CDA system renovation

Fruitful results from the reduction measures of energy consumption in 2021

Type	Number of Projects	Savings
Electricity saved	223	206.0401 GWh
Water saved	50	6.0855 million m ³
Natural gas saved	8	2.2733 million m ³
CDA/N ₂ saved	4	29.2068 million m ³

BOE smart medicine & engineering business equipped with water-cooled magnetic suspension frequency conversion centrifugal chiller effectively reduces energy waste



Due to less customers in the park during holidays and nights, in order to reduce the energy waste caused by using the 750-RT water-cooled chiller, our smart medicine and engineering business newly assembled a 150-RT magnetic suspension frequency conversion centrifugal chiller. By timely switching the unit according to load change, we avoid turning on the high-power chiller when there are few customers to reduce resource waste. As a result, unit efficiency has increased from 35% to 70-80%, which is within the most energy-efficient range.

In 2021

◎ **3.6483** GWh of electricity used, down **2.96%** from that in 2020

◎ **63,200** m³ of natural gas used, down **17.49%** from that in 2020



Existing 750-RT water-cooled chiller



Newly-assembled 150-RT chiller

● Water Resource Management

The water we used in production include pure process water, make-up water and water for sewage treatment plants. We recycle production water and strengthen management of sewage. By building a wastewater recovery system to recycle process water and supply it to the production end after treatment, and constantly optimizing our water circulation system, we have improved our wastewater recovery and utilization rate year by year, while the water consumption of our core business decrease continuously. For our products, the water consumption per square meter remained stable in 2021. In addition, we took the lead in formulating the Beijing standard *Norm of Water Intake—Part 7: Liquid Crystal Display Devices and Modules*, which contributed to the improvement of water management efficiency of liquid crystal display device manufacturers.

Water-saving measures of BOE production lines

Production Line	Measures
BOE Chengdu Gen 4.5 TFT-LCD production line	Implement wastewater terminal instrument monitoring transformation
BOE Chengdu Gen 6 AMOLED (Flexible) production line	Save 1.932 million m ³ of water by renovating pipes and adding three-way valves
BOE Chongqing Gen 8.5 TFT-LCD production line	Save 120,800 m ³ of water per year by renovating drainage pipes
	Save 426,000 m ³ of water per year by renovating the deionized water (DIW) waterway of the cleaning machine
BOE Hefei Gen 10.5 TFT-LCD Production Line	Save 532,500 m ³ of water per year by using the treated organic and acid-base wastewater generated in the cleaning process for water replenishment in the washing tower and cooling tower
BOE Chengdu Gen 8.6 TFT-LCD production line	Reduce the daily consumption of ultra-pure water from 42,000 m ³ per day to 37,000 m ³ per day through in-depth water-saving actions with ACCM on the cost reduction platform

In 2021

BOE Beijing Gen 8.5 TFT-LCD production line was awarded **the Model Collective of Water Conservation in Beijing**

BOE Erdos Gen 5.5 TFT-LCD production line was awarded **the Model Enterprise of Water Conservation Project in Dongsheng District**



Automatic online water resources monitoring station

● Resource Recycling

We have formulated and released the *Display Business Waste Management System*, and follow the 4R principle (recycle, reduce, renew and responsibly) when processing raw materials. Striving for comprehensive utilization, while treating the chemical waste produced during our operations, we first consider the reuse of raw materials for production. If reuse is not feasible, we will have the company who does liquid waste recycling purify the waste into industrial-grade raw materials before they enter the market. Only when the waste is completely useless, or the utilization value is much lower than the cost of the purification, will we opt for incineration.

For the stripping liquid, electronic grade purification and reuse in the factory have been adopted by all factories, and now the same process for the diluting liquid is tested step by step

Self-utilization⁵ (water treatment) has been enabled for ITO-etchant (low-concentration sulfuric acid), and the extraction of industrial grade phosphoric acid is made possible for Al-etchant

Rework liquid of color film and cell is of a small amount, which accounts for about 2% of the total chemical waste liquid. With complicated composition, this part is handed over to a third-party hazardous waste disposal company for incineration.

Measures for recycling and utilization of raw chemical materials

In terms of solid waste, we recycle 100% of hazardous waste through a qualified third-party professional organization. We dispose of hazardous waste, medical waste and general waste in accordance with prescribed procedures, and supervise and manage third-party organizations. In 2021, our comprehensive utilization rate of hazardous waste reached 96.41%.

ITO Liquid Waste Self-utilization Project of BOE Gen 5 TFT-LCD production line for zero waste acid discharge Case

Our Gen 5 TFT-LCD production line added a transfer pump at the outlet of waste acid collection tanks, which was connected via double casings to pH regulation tanks and sulfuric acid dilution tanks in the organic wastewater treatment system of the wastewater treatment plant, and the whole transportation process was managed in an automatic mode. After the project is put into operation, the concentrated sulfuric acid will be partially replaced by etchant liquid waste, which can not only be used to adjust the pH value of wastewater, but also reduce the disposal amount of waste acid etchant by about 3,500 tons per year.

● Air Pollution Prevention

The ever-increasing consumption of energy resources has presented greater challenges to the global endeavor to prevent and control air pollution. In order to improve air quality, we strictly abide by national laws and regulations, and actively explore new approaches to air pollution control. Our measures include improving the efficiency of our exhaust gas treatment system and upgrading the management system. By doing so, we strive to control the emission of sulfur dioxide, nitric oxide and other toxic and hazardous gases and VOCs, thus effectively preventing these gas from damaging the atmosphere.

⁵ ITO is short for Indium Tin Oxide, also known as ITO-etchant.

Hazardous Materials

We adopt the full life cycle management of green products, actively participate in the formulation of national codes and testing standards for green products, and seek for safer alternatives to harmful materials. We have put in place the *Hazardous Chemicals Safety Management System*. Also, we have set up the BOE Green Product Analysis Center to improve the ability of testing hazardous materials and to ensure that products meet hazardous material control standards. All the raw materials used by BOE meet the requirements of relevant national environmental laws & regulations and the policies of chemical registration, evaluation, licensing and restriction.

In production, we strictly abide by the provisions in the *Measures for the Control of Pollution from Electronic Products*, which requires that manufacturers shall take measures to reduce and eliminate the content of lead, mercury, cadmium, hexavalent chromium, polymeric brominated biphenyls (PBB), poly brominated diphenyl ethers (PBDE) and other toxic or hazardous substances contained in electronic products.

BOE Hefei Gen 8.5 TFT-LCD production line changes the filling containers for toxic and hazardous chemicals to avoid risks



BOE Hefei Gen 8.5 TFT-LCD production line changed the filling containers for 25% TMAH, a kind of toxic and hazardous chemicals, from IBC tanks to ISO tank containers, which doubled or tripled the work efficiency, and saved the time of filling. At the same time, as ISO is pressurized using N₂, the pump works less frequently, and the need for manual operations drops accordingly. This not only significantly improves the lifespan of spare parts, but also effectively avoids the risks of human contact and long-term operations of the equipment.

Green Factories

BOE puts the green concept throughout the full life cycle of the product process, we have built many certified green factories through energy saving, green technology application, clean production, pollutant reduction, hazardous waste management, and environmentally-friendly equipment upgrade.

By the end of 2021

◎ A total of **15** BOE factories had been awarded the title of Green Factory at autonomous region level, provincial level, and national level

◎ A total of **11** BOE factories had been awarded the title of National Green Factory

BOE Hefei Gen 10.5 TFT-LCD production line builds green factories through multiple measures



In order to enable the green growth of factories, BOE Hefei Gen 10.5 TFT-LCD production line has continuously improved its environmental management system. It has obtained the environmental management system certificate, energy management system certificate and hazardous substance process management system certification. It reduced electricity and natural gas consumption through the use of energy-efficient lamps, cooling tower free cooling project, air compressor cooling water heat recovery project, among other energy-saving measures. At the same time, a 24MW solar power plant was built on the rooftop of the factory to implement a waste heat utilization project. The production line strictly controls hazardous substances throughout the full life cycle of products to ensure the compliance of hazardous substances and ensure each production process runs in a green manner. In addition, the production line has also invested in appropriate pollutant treatment devices and facilities, so as to meet the higher-level requirements for air and water pollutant emissions.

Green Buildings

Green buildings provide healthy, suitable and efficient space, demonstrating a harmonious coexistence between man and nature. BOE designs green buildings using thermal insulation wall and glazed curtain wall, which can absorb light and heat. We use green lighting, rainwater resources and energy recycling in the full life cycle to conserve resources, protect environment and reduce pollution. In 2021, BOE Beijing Gen 5 and Gen 8.5 TFT-LCD production lines witnessed good practices in the construction of green buildings.

BOE Beijing Gen 8.5 TFT-LCD production line works on green buildings



To advocate a simple, moderate and low-carbon lifestyle, BOE Beijing Gen 8.5 TFT-LCD production line equipped its factories with insulated curtain walls and LOW-E insulating glass and insulating laminated glass. The production line has made remarkable progress in water resource management, new energy application and energy-saving and emission-reduction projects.

<div style="background-color: #2e8b57; color: white; padding: 5px; text-align: center; margin-bottom: 10px;"> Water resource management </div> <ul style="list-style-type: none"> ● Replacing all tap water with recycled water in the production process, the first in the global semiconductor industry ● The consumption of fresh water per square meter is only 0.031 m³ (tap water consumption), which is industry-leading, both domestically and internationally 	<div style="background-color: #2e8b57; color: white; padding: 5px; text-align: center; margin-bottom: 10px;"> New energy application </div> <ul style="list-style-type: none"> ● Carrying out the first and second phase of PV power generation projects, and installing 113,000 m² of solar light panels on the rooftops for power supply of 380V power systems ● The first phase of the PV power generation project is the largest single rooftop PV plant project in Beijing, and the largest national "Golden Sun Demonstration Project" completed in Beijing 	<div style="background-color: #2e8b57; color: white; padding: 5px; text-align: center; margin-bottom: 10px;"> Energy conservation and emission reduction </div> <ul style="list-style-type: none"> ● Making full use of cold sources and carrying out free cooling projects to save energy in winter ● Fully recovering heat for heating, and stopping the use of municipal steam networks ● Installing wastewater and exhaust gas automatic monitoring system to monitor the emissions of wastewater COD, ammonia nitrogen, total phosphorus, pH and flow, exhaust gas nitrogen oxides and non-methane hydrocarbons
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Measures and outcomes in constructing green building of BOE Beijing Gen 8.5 TFT-LCD production line

Green Products

We incorporate ECO evaluation and product lifecycle management system into the product design and development stage to ensure that the design, quality, functions and production process of our products meet the requirements of green products. While designing products, we are committed to recyclability, universality, and minimization principles. Product structure is adjusted, and more high value-added, low-emission, low power consumption, low-frequency and environmentally friendly products are developed, in a bid to minimize energy and resource consumption, mitigate the impact on the ecological environment, and maximize the recyclability rate. BOE Beijing Gen 8.5 TFT-LCD production line has added the concept "ease of disassembly" to the design process, and brings green design, green product development and green production into its key project planning.

We prioritize the use of non-polluting and less-polluting raw materials and fuels, and select qualified raw materials that pass our test measuring the content of toxic and hazardous substances. To reduce emissions in the production process, we continuously optimize the process parameters and equipment status, encourage energy-saving technology improvement projects. In addition, we have put forward environmental requirements for our suppliers, signing green cooperation agreements with them. We work to find the recycling and reusing potential of the components of our products. Our management of green products is continuously improved by analyzing the environmental impact of our products, and calculating their environmental efficiency based on product functions and environmental loads.

By the end of 2021

BOE Beijing Gen 8.5 TFT-LCD production line and BOE Chongqing Gen 8.5 TFT-LCD production line had been rated as **Green Design Demonstration Enterprise for Industrial Products by the Ministry of Industry and Information Technology (MIIT)**

Committed to minimizing the impact of products on people and the environment, our display products are going green and low-carbon, covering fields such as smart retail, e-paper readers, smart office and smart medical care. Our electronic shelf labels (ESL) and table labels with ultra-low power consumption and in paperless forms, have helped reduce the use of paper, contributing to environmental protection.

● Electronic Shelf Labels (ESL)

The carbon emissions of the products with ESL are traceable and countable throughout their lifecycle. Our ESLs and smart retail solutions have served more than 30,000 stores in over 60 countries. About 280 million ESLs have been shipped worldwide, on which the price change 5 billion times a year. This means saving 6,000 tons of paper and protecting 100,000 trees from being cut down. ESL products have won the Chinese market with more attractive costs and lower energy consumption.



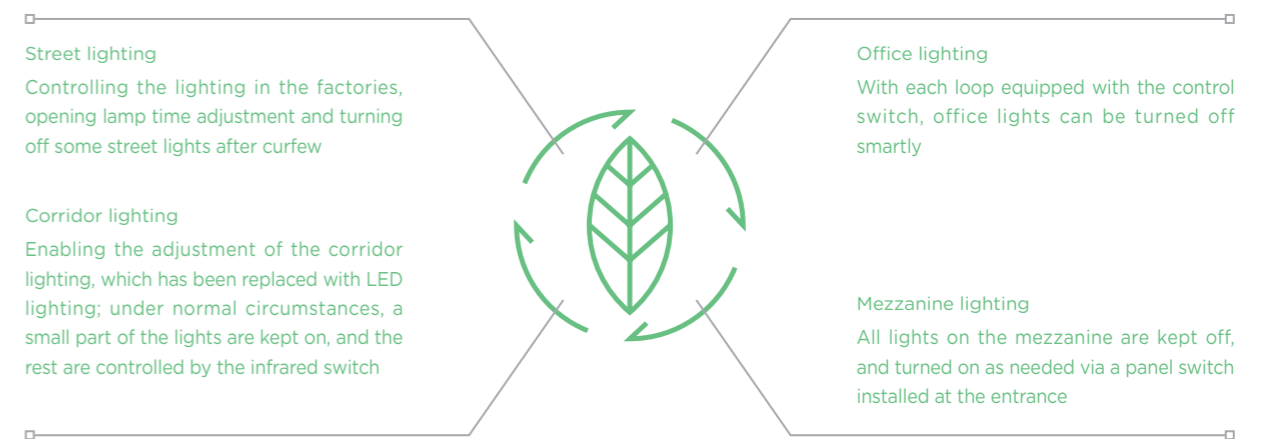
BOE Electronic Shelf Labels (ESL)

Green Philosophy

We pursue a harmonious coexistence between business operations and nature. At BOE, multiple measures are taken in running parks, encouraging employees to go green at the workplace, choose green travel and live an eco-friendly life.

Green Office

The green and low-carbon concept has been integrated into every step of BOE's daily operation. We have explored multiple ways to create a green workplace where employees are environmentally-conscious, saving energy and resources in their daily work.



BOE solution to green workplace

Environmental Training

We have carried out various environmental training and publicity activities to actively create a green and low-carbon atmosphere, helping employees develop a high level of environmental awareness and capability.

Environmental Management Training

We provide new employees with at least 8 hours of on-job training on environmental protection, safety and occupational health each year. For key positions of environmental risk prevention and control, we have established management ledgers and carried out regular training and assessment on the basics of water pollution, air pollution control, waste disposal and environmental management. By doing so, we ensure that all employees know well about environmental risk prevention and control, especially those in key positions, including the treatment and discharge of wastewater and waste gas pollutants, hazardous waste collection, storage and transfer, chemical storage and logistics, and special gas storage and operation.



BOE Mianyang Gen 6 AMOLED (Flexible) production line energy management system training

In 2021

- ◎ A total of **3,399** employees in key positions received environmental management training
- ◎ Employees in key positions were provided with **15,301** class hours of environmental management training
- ◎ New employees were provided with **1,736,612.50** class hours of environmental management training

Environmental Awareness Campaigns

We have organized many environmental activities to advocate green production, green office and green lifestyle. For example, in 2021 we launched a call for golden ideas to go green and low-carbon, and issued 18 team awards, 60 individual awards and 3 outstanding organization awards. We also organized the event "BOE Green Action -- Green Initiative", which attracted the participation of many employees to contribute to a low-carbon and eco-friendly BOE.



"BOE Green Action - Green Initiative" Event



Biodiversity Conservation

On the International Day for Biological Diversity in 2021, we joined the activities under the theme "Following the Path of Harmonious Coexistence, Creating a Green and Happy City", which is also the voluntary action of biodiversity research in Beijing Economic and Technological Development Zone organized by Beijing Economic-Technological Development Area. Through all kinds of environmental campaigns, we work hard to improve the public understanding of ecological diversity, and encourage more people to play an active part in contributing to ecological progress. Together, we can protect our home planet.



Posters on biodiversity conservation



Society

Sharing a Greater Future with People-oriented Philosophy

Enterprises and the society are a community of shared development, and BOE's development cannot be separated from the support of stakeholders. We never forget what makes the present possible for us. With a high sense of responsibility and mission, we are devoted to social sustainability with other players on the road toward the coordinated development. For customers, we co-create value and provide sincere services. For employees, we protect their rights and interests with attention paid to their personal progress. For communities, we leverage our strength to diversify public welfare.

<p>1 NO POVERTY</p> 	<p>3 GOOD HEALTH AND WELL-BEING</p> 	<p>4 QUALITY EDUCATION</p> 
<p>5 GENDER EQUALITY</p> 	<p>8 DECENT WORK AND ECONOMIC GROWTH</p> 	<p>10 REDUCED INEQUALITIES</p> 
<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p> 		

Better Customer Services

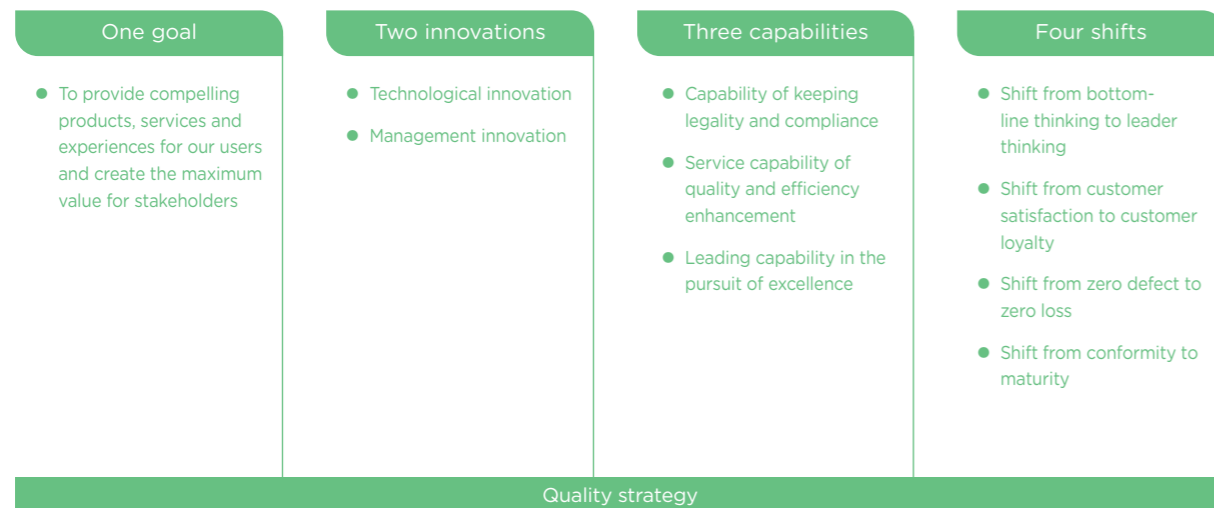
Guided by the quality policy of "staying customer-oriented to pursue excellence", we keep tapping customer needs and provide customers with a reliable and trustworthy high-quality experience through high-quality management and services.

▶ Creating Excellent Quality

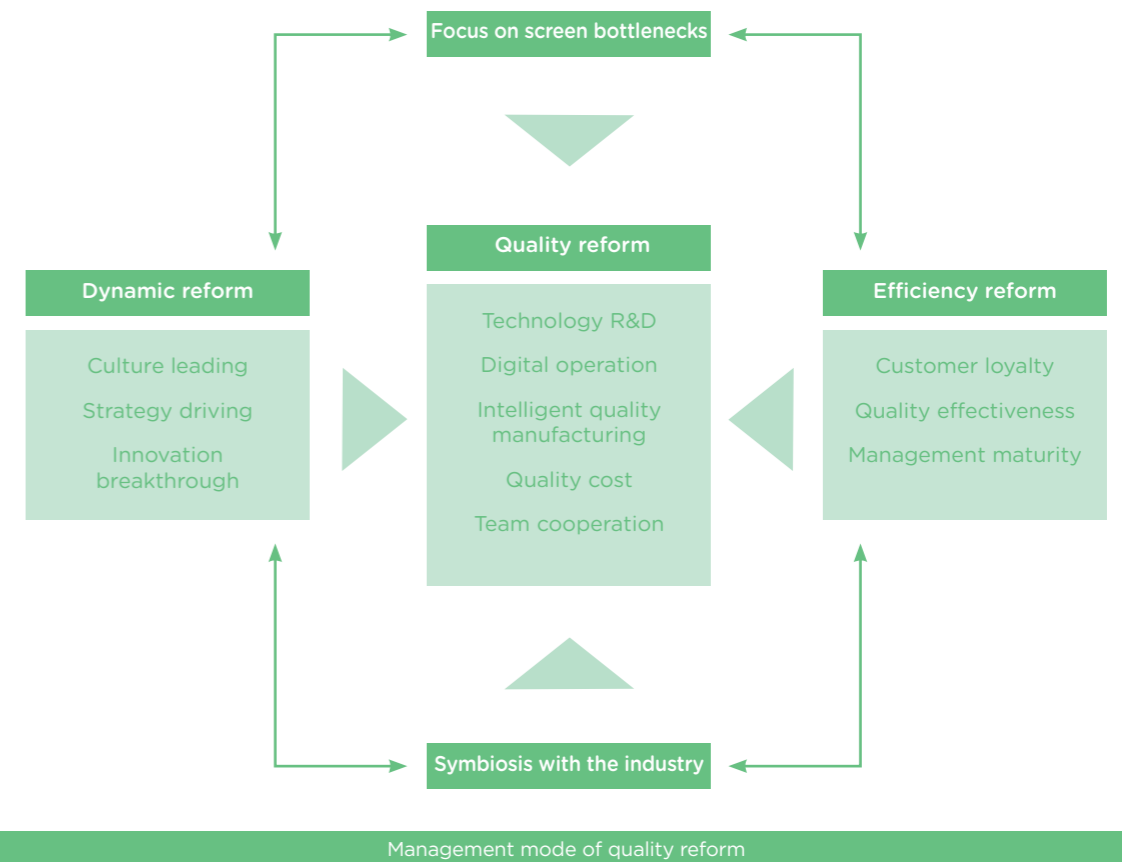
Quality is the foundation of being respect and the lifeline of an enterprise. BOE is aspired to create a benchmark for global excellence in terms of quality management. By implementing the quality strategy of "creating values with high quality" we guide all staff to accelerate two innovations, enhance three capabilities and realize four shifts around one goal.



BOE's quality vision
A benchmark for global excellence



To tackle screen bottlenecks, BOE adopts the management mode of "innovation-led high-quality development". We lead high-quality development through dynamic change, promote high-quality growth through efficiency change, and ensure high-quality delivery through quality change. We have secured independent management innovation in technology R&D, intelligent quality manufacturing, digital operation, and strategic management. In the future, through sustainable efforts to build industrial clusters and ecological alliances, we will team up with partners to create new market opportunities and lead sustainable growth of the industry.



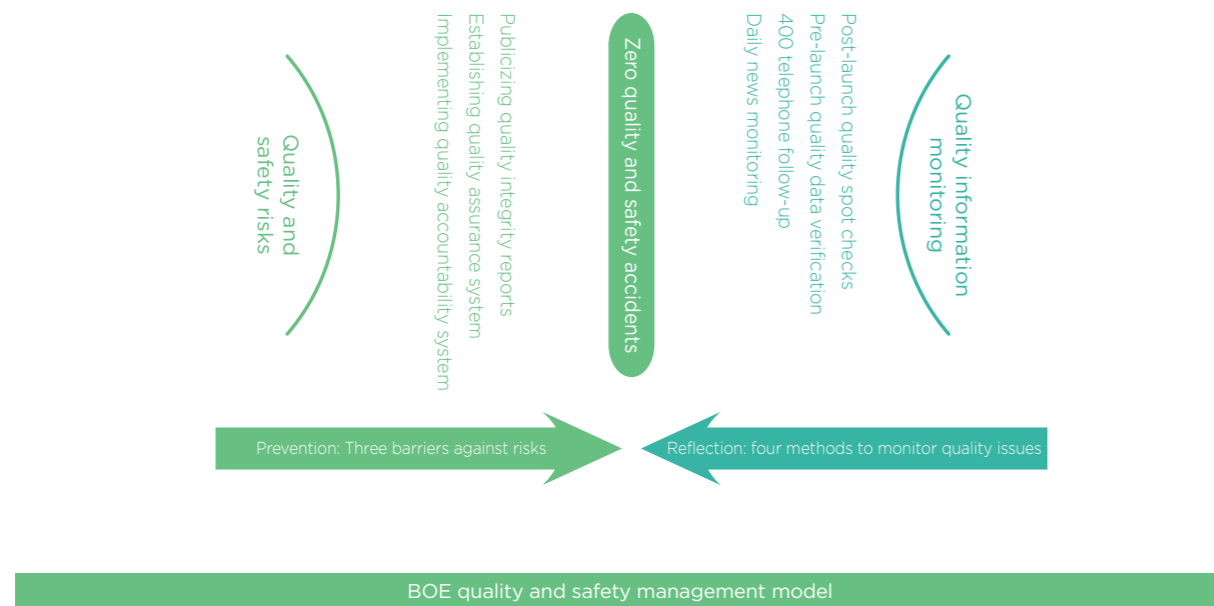
BOE earns extensive customer recognition with quality products and services, and has won a number of awards including the Excellent Quality Award, the Special Contribution Award and the Excellent Service Partner Award. In 2021, BOE won the 4th China Quality Award, which represents the highest honor in China's quality field. Through independent innovation in management, BOE spurred more than 2,000 partners to elevate their overall quality. BOE was rated first by 32 core global customers in terms of comprehensive quality and presided over the development and revision of 84 international and domestic standards, setting a new benchmark for the industry with exceptional quality and gaining international recognition with brand-new "Chinese quality" standards.



BOE wins the 4th China Quality Award

● Capability of Keeping Legality and Compliance

To ensure quality and safety, BOE has erected three barriers by implementing an accountability system, establishing an assurance system and publicly releasing quality integrity reports to prevent accidents. Moreover, we monitor quality of products in the life cycle through multiple channels including the "BOE daily news monitoring report", "400 hotline follow-up", "pre-launch product quality data verification", and "post-launch product quality spot checks" to deal with and solve the problems in a timely manner. The 2021 saw no quality and safety accident of BOE.



● Service Capability of Quality and Efficiency Enhancement

To enhance the management efficiency throughout the process, BOE embeds quality management in services. Through benchmarking and incentive mechanisms, we stimulate process quality improvement across the board from customer loyalty, quality effectiveness and management maturity to maximize the value of quality management. We provide customers with high-quality, satisfactory and trustworthy products, and facilitate the transformation and upgrading of IoT strategy.

In terms of customer loyalty, BOE always prioritizes customer needs. In the process of serving our customers, including world-leading brands, our concepts, methods and technologies of quality management have been improved and developed, as evidenced by growing customer recognition.

In terms of quality effectiveness, we improve quality management in the course of strengthening process management, and penetrate the requirement of "immediate response and quick action" proposed by the market and customers into internal management to empower the front line of business to make quick decisions. We have devised and established a peer-to-peer-based whole-process management system covering management elements including process, organization, IT, performance and capability, creating a "digital and visual" BOE for higher operational efficiency.

In terms of management maturity, BOE keeps improving excellent performance management around the Quality Award to enhance overall quality management maturity.

As of the end of 2021

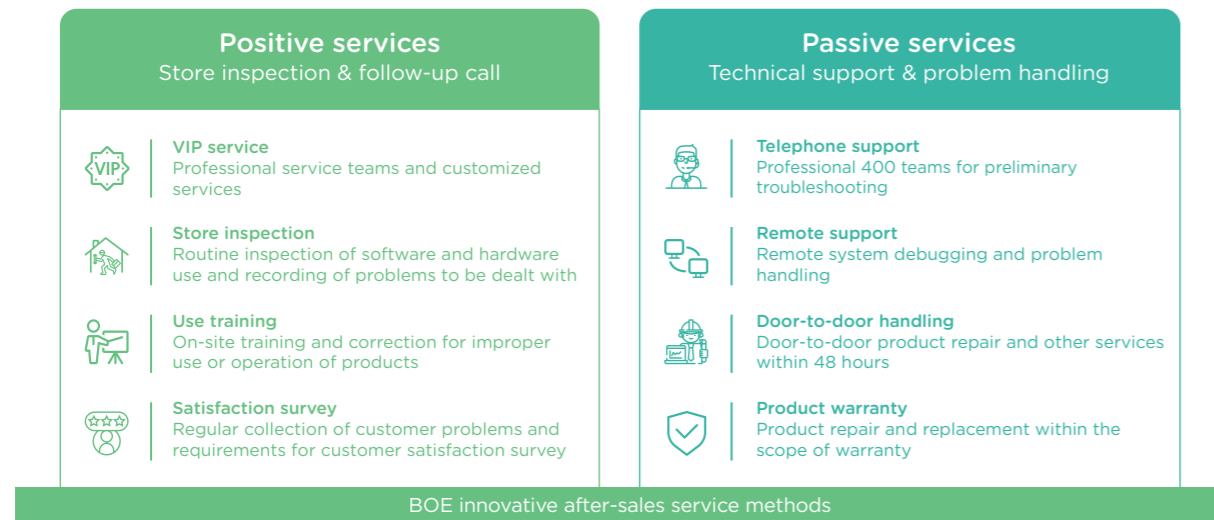
- ◎ BOE's Quality Award held for **5** consecutive sessions
- ◎ **15** entities were commended
- ◎ **41** individuals were commended
- ◎ More than **2,000** innovative management practices were explored.
- ◎ BOE had won **11** government quality awards at or above the provincial/municipal level

Government Quality Award

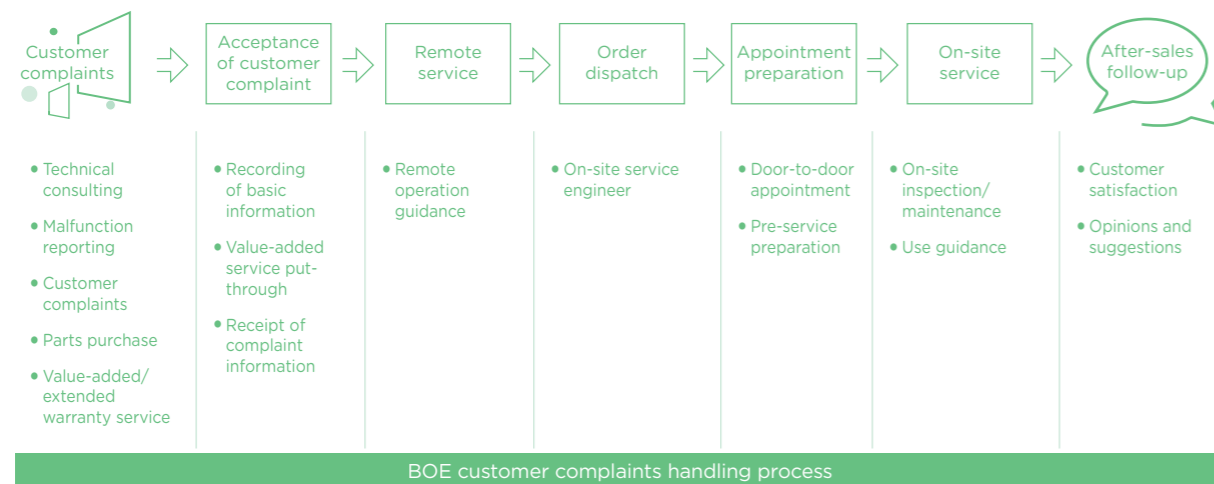
- The 4th China Quality Award
- The nomination award of the 3rd China Quality Award
- The nomination award of the 2nd China Quality Award
- Beijing Municipal People's Government Quality Management Award
- Sichuan Quality Award
- Anhui Provincial People's Government Quality Award
- Chongqing Mayor Quality Management Award
- Hebei Provincial Government Quality Award
- Langfang Municipal Government Quality Award
- Erdos Fifth Mayor Quality Award
- Suzhou Quality Management Excellence Award

● Leading Capability in the Pursuit of Excellence

BOE places "thinking quality" at the core of quality management. Through activities including BOE family, BOE quality month and "Quality Cup" contest, we publicize the core value concept of "team, speed, quality" and create the quality culture of "integrity and genuineness". We guide all employees to create high-quality products and services with the most dynamic team, the best cooperation and fine work quality. We always quickly respond to market changes and customer needs, reduce cost in a timely manner and create corporate value. All employees are well aware that "Quality is the foundation of respect and the lifeline of an enterprise. Product quality is determined by the work quality of each member in the organization. No satisfactory work quality, no satisfactory product quality."



Based on the general principle of customer services of "first knowing, fast response, immediate handling and quick resolving", BOE has established a customer service outlet covering all regions and a 2485 timely response mechanism. We have set up permanent customer service outlets equipped with engineers and technical support personnel in 30 cities in Chinese mainland, Taiwan (China) and 13 countries overseas to ensure timely staffing in case of any problem and provide convenient services to local customers.

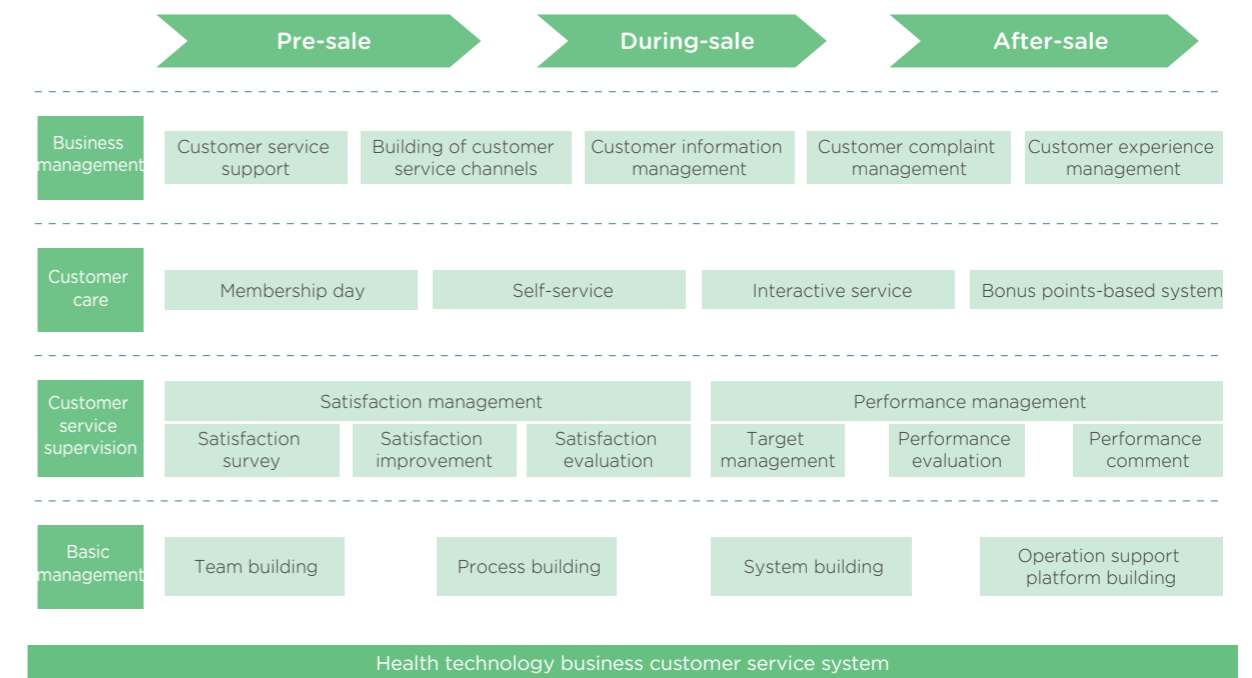


BOE handles customer inquiries, complaints and technical service requests through the customer relationship management (CRM) system, and connects with cooperative service providers via this system. The service order is automatically transferred to the service provider system after it is generated in the CRM system by our customer service staff. Then the personnel of the service provider send the order to the service engineer through the system. The service engineer provides timely feedback on the on-site service situation through the handheld terminal system, and feeds back to the BOE CRM system through the system docking port. The progress of the entire service process is fed back in real time through the docking system of both parties to realize the systematic monitoring and management of the whole process.

BOE proactively identifies customer needs in advance and reviews improvement projects with customers for joint improvements to enhance customer satisfaction. Through WeChat, email, telephone, on-site visits, customer quality meetings and customer satisfaction surveys, we understand customer expectations and demands to improve management processes promptly. We carry out customer service training on a regular basis to enhance the service awareness and ability of our employees, in a bid to provide customers with the best experience.

Innovative Health Technology Services

Since BOE stepped in health industry, health technology has become important for the Company. BOE has established a complete customer service system and management systems including the *Consumer Satisfaction Survey Process* and the *Customer Complaints Handling Process* in order to standardize service procedures. We also strictly abide by mechanisms on customers' information management and confidentiality.



Customer Rights Protection

BOE abides by policies, relevant laws and regulations. We integrate the maintenance of customers' legal rights and interests into corporate governance, culture and business development. We maintain customer health and safety via strict product quality inspections and clearly identify the source of ingredients and the name of the supplier in the product and service information. In line with identification requirements in the *Measures for the Administration of the Restricted Use of the Hazardous Substances Contained in Electrical and Electronic Products* and the GB/T 26572-2011 standard, products are indicated "whether they contain hazardous substances".

At the same time, we adhere to the highest standard of business ethics and continuously build the institutional system of "hierarchical, graded and coordinated overall policy, management methods and management rules of information security". By improving the dynamic in-depth technical defense system, we have enhanced data security. In addition, we fundamentally ensure the privacy and security of customers with a sound information security management protection mechanism and strict employee professional ethics. In 2021, BOE received zero complaint for leaking consumer information.

Unleashing of Staff Value

Staff is the key driver to sustainable corporate development. People-oriented, BOE strives to benefit all employees with development achievements. We safeguard their basic rights and interests, fuel staff development, and enhance their sense of well-being and gaining. By stimulating vitality and creativity, we help employees gain self-worth and encourage them to grow together with BOE.

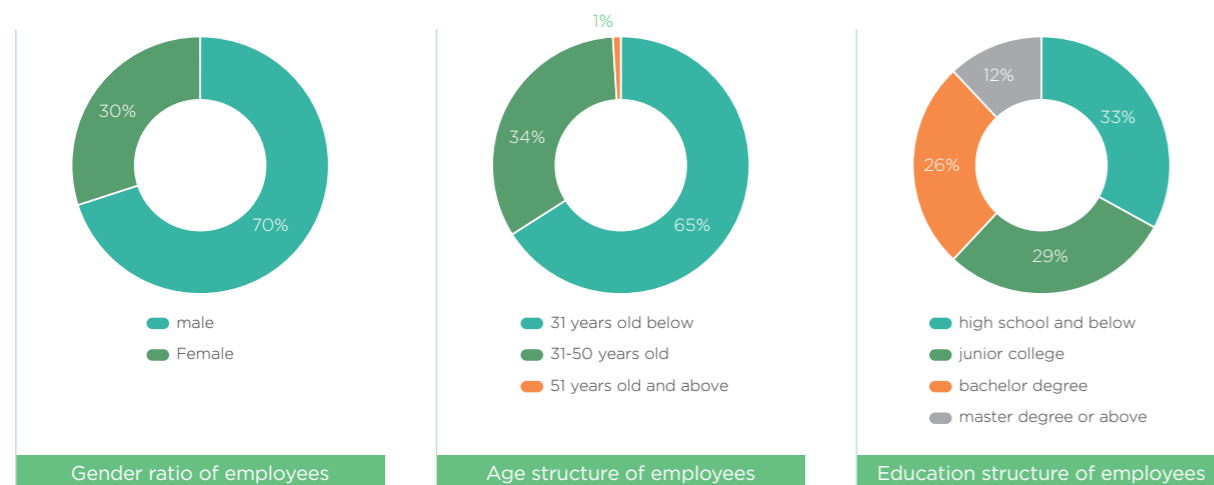
▶ Safeguarding the Rights of Employees

In strict accordance with relevant national laws and regulations, BOE protects the rights and interests of employees, and creates an inclusive workplace, allowing employees to become the builder, master and interest sharer of BOE.

● Equal Employment

BOE recruits talents according to the principles of equality, openness and inclusiveness. We strictly abide by relevant Chinese laws and regulations, such as the *Labor Law* and the *Labor Contract Law*, the labor policies where our business operates, and the Code of Conduct - Responsible Business Alliance (RBA), and enforce them in collective contracts, labor contracts and all kinds of HR management rules and regulations.

We prohibit all forms of discrimination in employee recruitment, promotion, development, welfare distribution, and termination of labor contracts due to race, color, nationality, language, wealth, social status, age, gender, sexual orientation, ethnicity, disability, pregnancy, belief, political affiliation, participation in any association or marital status. Child labor and forced labor are strictly prohibited in our operation process. The use of violence, threat or illegal restriction of personal freedom to force employees to work or restrict their freedom (to work or resign) is not allowed. Corporal punishment, intimidation, harassment, abuse and any discrimination against employees are strictly prohibited.



In 2021

- ◎ 79,461 employees in total
- ◎ 25,612 new employees
- ◎ Labor contract signing rate 100%
- ◎ Social insurance coverage 100%
- ◎ Percentage of female managers 21%

● Democratic Communication

BOE has established an equal and democratic communication mechanism to understand employee demands in a timely manner and developed a labor union procedure system. We provide employees with open and effective communication and complaint methods including suggestion boxes, chairman mailboxes and online platform to facilitate the expression of employees. In 2021, we issued an employee satisfaction survey, according to which 92% of employees were satisfied with BOE and willing to continue their devotion and contribution, significantly higher than the average of domestic high-tech industry. Based on the survey results, we organized focus group interviews as well as formulated and implemented improvement plans, in order to form a closed management loop and further improve employee satisfaction.

● Compensation and Benefits

In line with the principle of "pay for posts, abilities, and performance", we keep delving into incentive mechanisms for skilled talents, such as incentives for piecework, quality and efficiency enhancement, production increase and proposal improvement. We provide competitive salaries in the industry together with allowances, annual performance bonuses, mid-year performance incentives, timely incentives, equity incentives, etc. We pay social insurance and housing provident fund for employees according to law, and also offer commercial insurance and corporate annuities, including personal accident insurance, critical illness insurance, medical insurance and business travel insurance. At the same time, we provide free brunch, collective dormitory, free shuttle bus, free parking, communication fee, birthday allowance, wedding congratulations, annual leave and other benefits to enhance their sense of gaining in the Company.

Enhancing attractiveness to talents with a stock-based incentive plan



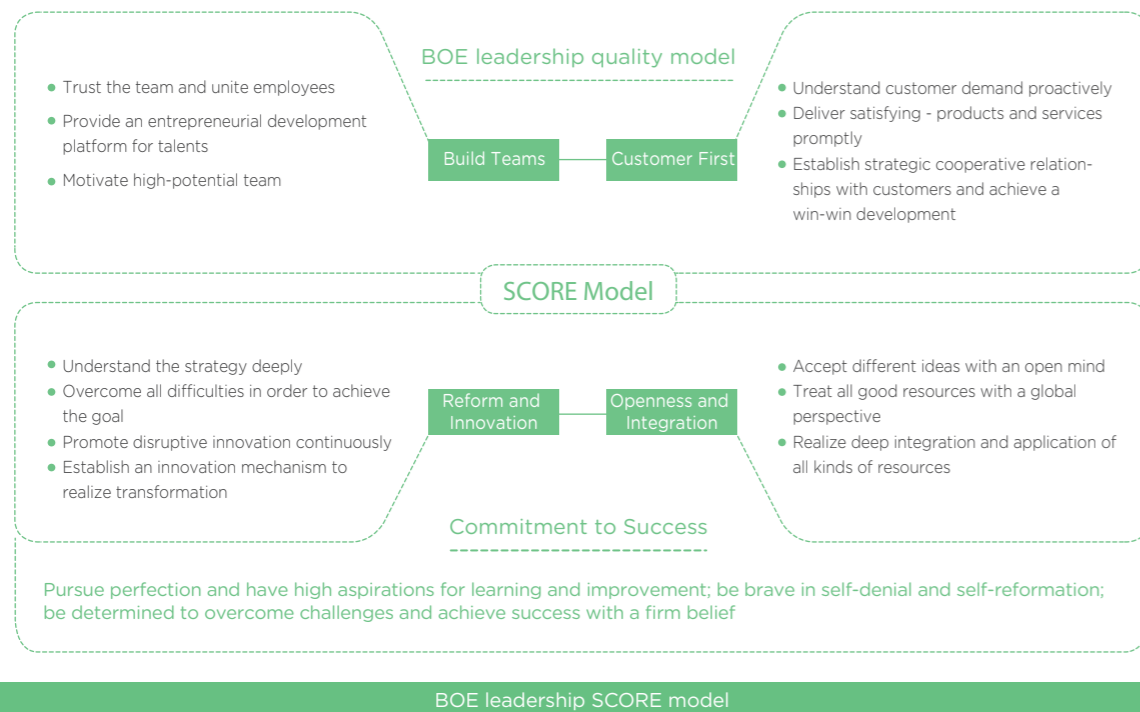
In August 2021, to maintain attractive to core talents, according to the *2020 Stock Options and Restricted Stock Incentive Plan*, BOE granted reserved stock options to 110 qualified employees, mainly newcomers and newly promoted backup elites. BOE continuously created the medium and long-term incentive mechanism and promoted subsidiaries to implement the stock incentive plan, stimulating the organizational vitality and employee motivation of innovative business. In October, BOE won the first prize of the 35th Beijing Enterprise Management Modernization Innovation Achievement with its core talent management and incentive work.

Supporting Personal Development

To facilitate the growth and capability improvement of talents, we have established a scientific and sound training system for employees based on rich online and offline learning content. We also broaden the growth space of employees in the Company and continuously optimize their promotion channels.

Scientific Management

The Organization & Human Development Plan (OHDP) is regularly launched to analyze and optimize the organizational structure and talent status, with a leadership SCORE model generated. Based on performance, ability, and potential assessments of existing talents, we have formulated an annual talent cultivation and development plan and improve it in the process of implementation to accelerate talent growth. We strive to build a comprehensive salary system to attract and motivate outstanding talents, including competitive salary level, comprehensive incentive system, multiple welfare items, and excellent cultural environment and career development platform.



Diverse Training

According to the philosophy of "training before running a business", we have formulated the work policy of "making breakthroughs, empowering the organization, boosting the strategy and synergizing efficiency enhancement" for diverse talent training to boost the growth of professional talents. We provide front-line skilled production personnel with on-boarding training, pre-job certification, and on-the-job re-learning and certification. Through necessary technical knowledge and skills, including training, mentoring system and Technology Seminar, employees can quickly master technical skills which can help them solve practical problems at work.

In 2021

- 349,000 class hours of BOE university training involving 27,166 trainees
- 210,000+ offline training hours in total
- Production front-line personnel participated in on-boarding training and pre-job training 190,000 person-times
- Training satisfaction score: 9.36 (out of 10)



BOE University training system



BOE helps new employees grow into talents



In 2021, to attract talents in on-campus recruitment and facilitate our strategic transformation, BOE quickly adjusted and created new employee training models. We shifted from face-to-face teaching in large class to "flipped classroom + seminar training" and from traditional centralized training to decentralized training in small class. We developed online courses for targeted teaching design. Leveraging evaluation technology, we also developed the ability norm of new employees to dynamically track their development, providing the basis for systematic training and precise development. While ensuring the training effect, our subversively reconstructed training program helps new employees to realize "role switch, integration into corporate culture and team building", and has received high satisfaction from trainees.



220 Program accelerates the integration of corporate M&A talents



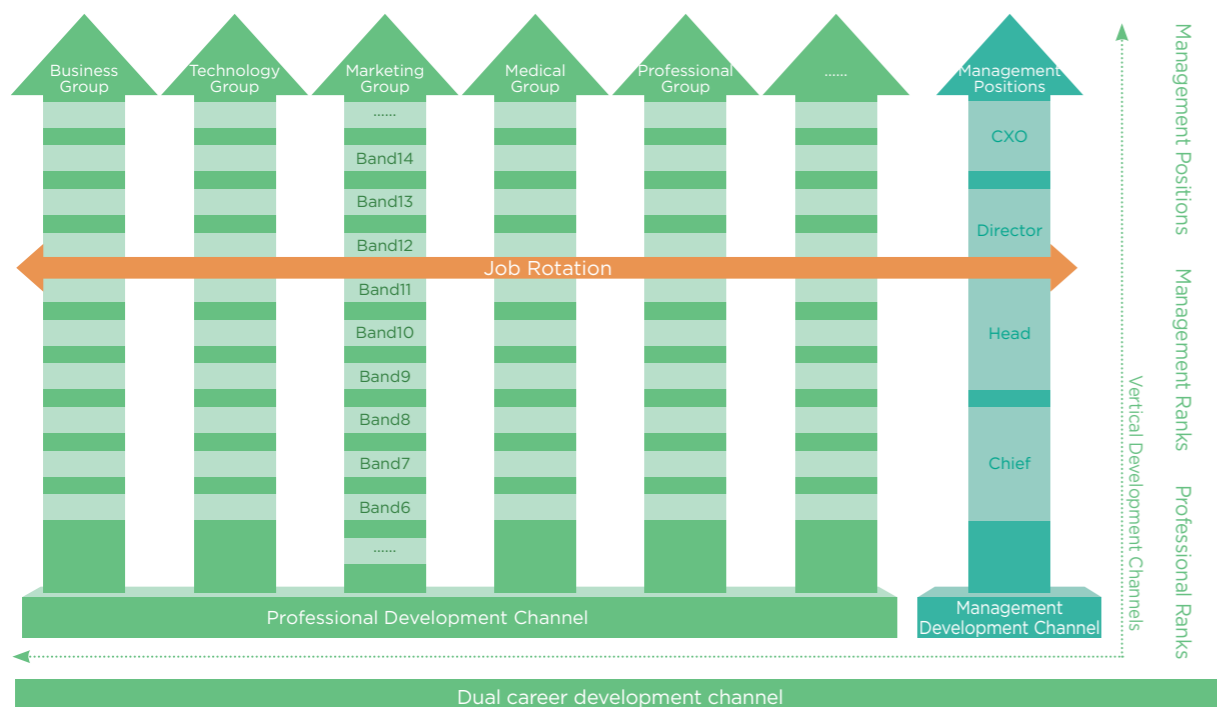
In 2021, BOE launched the 220 change empowerment training program. The program offers system solutions around integrating organizational capability change and empowering key groups. Divided into four modules of strategic goal, unification in five areas, employee empowerment and methodology summary, 26 trainings in three categories were carried out, with a total of 431.50 training hours, involving over 1,340 management team members and elites from BOE's Gen 8.5 TFT-LCD production line in Nanjing and BOE's Gen 8.6 TFT-LCD production line in Chengdu. The Program provides an open communication platform for team integration and multiple perspectives for implementing management measures so as to accelerate conceptual unification and integration among team members.



● Smooth Career Channels

In order to enhance the profession and management of employees, BOE continuously taps talent development channels aiming at capability enhancement and deepens the two-way talent development mechanism and job rotation mechanism of "management + profession". We have also established a visual internal post competition platform and formulated a convenient transfer process, providing employees with diverse career opportunities to stimulate their inherent potential, exert their enthusiasm, initiative and creativity, and fully realize their value.

In 2021
 ● 4,091 "management + profession" posts were adjusted



▶ Protecting Employee Health

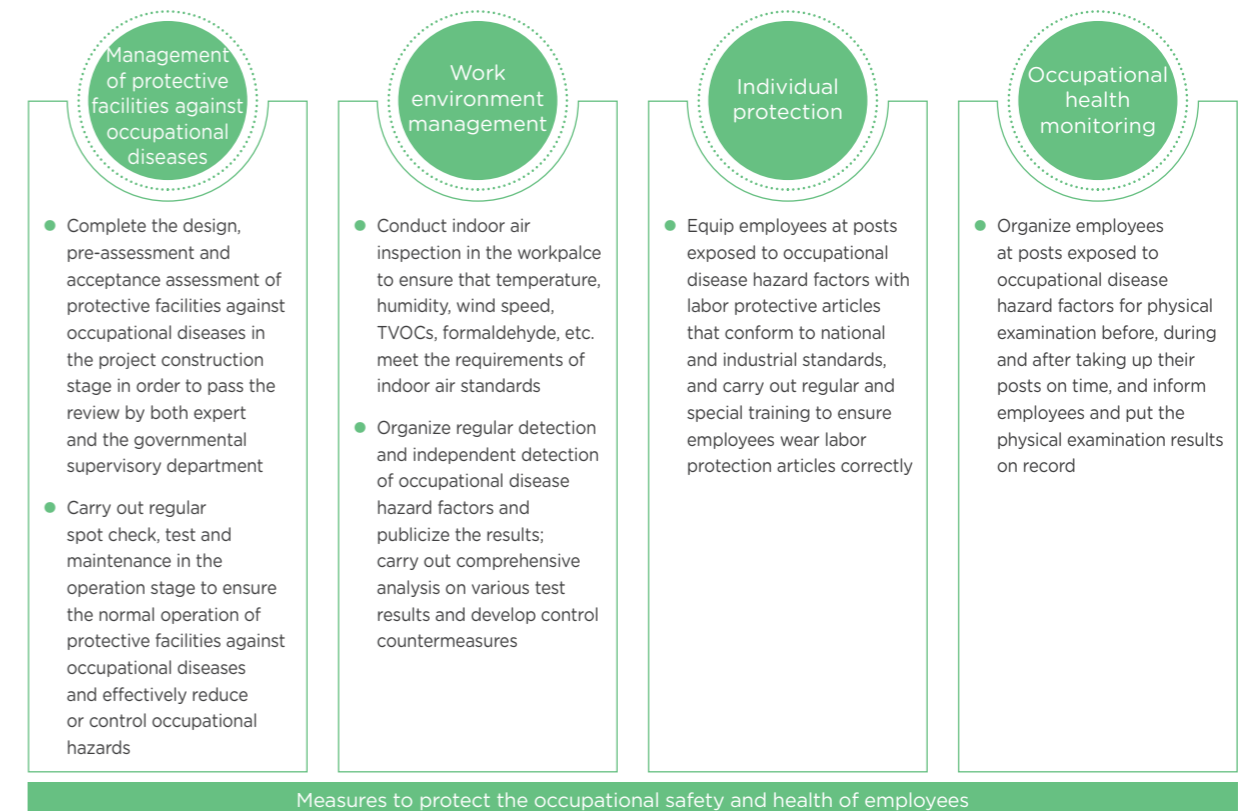
BOE abides by relevant laws and regulations on occupational health and safety. We have formulated strict occupational health and safety management standards and adopted a series of effective measures to protect the occupational health of employees.

● Occupational Health and Safety

In 2021, our subsidiaries involved in occupational health and safety management set up occupational health and safety management systems and adopted a series of measures to create a healthy and safe working environment for employees and realize the full-cycle management of occupational health. We provided employees with annual physical examination, major disease support and other health services. According to the requirements of regular COVID-19 response, we established a standardized, professional and efficient coordinated system around pandemic control, work safety, honesty and self-discipline, ideology, Internet security and handling service. The 2021 saw no confirmed or suspected COVID-19 cases in BOE factories (parks), with all production and operation links under normal progress.

In 2021

- 6,331,660 hours of safety training involving 1,180,714 trainees
- 3,448 emergency drills involving 135,522 participants
- 2,333 safety publicity activities
- 13,251 safety checks
- Hidden hazard rectification 100%
- Occupational physical examination coverage 100%
- 0 occupational disease incidence
- 0 major work safety accident





Occupational health training



Occupational physical examination



Individual protective articles for employees



Detection of occupational disease hazard factors

● Caring for Mental Health of Employees

BOE provides Employee Assistance Program (EAP) services for all employees and their immediate families. The services, including 7×24 hours appointment consultation hotline, telephone & on-site & online consultation, instant talk on smart mental platform, mental health assessment, WeChat public account, EAP column on the staff portal, psychological training, online mini-class and emergency intervention, help employees effectively ease psychological pressure from work and life and enjoy a better balance. In 2021, EAP served 1,098 employees, helping them tackle problems in emotional management, interpersonal communication, and family relationship. We have also set up the "Heart Oxygen Bar" in 14 cities including Beijing, Hefei, Gu'an and Chongqing for one-to-one and face-to-face psychological consulting services.



"Heart Oxygen Bar" for employees

► Caring about Employee Life

BOE cares about the work and life of every employee, aiming to back up them as a close friend. We keep strengthening care for employees and encouraging them to work happily to enhance their sense of happiness, gaining and satisfaction.

● Caring for Female Employees and Employees in Difficulty

We have formulated and strictly implement the *Special Agreement for the Protection of Female Employees' Rights and Interests*. We pay attention to the needs of female employees in their work and life, provide exclusive physical examination packages for them of different ages, and put maternity leave, parental leave (including breastfeeding leave) and allowance policies into place. Besides, we have set up nursing rooms and organize activities including parenting education and training, HPV health lecture, EAP women's value management in workplace, and EAP music dancing decompression, bringing warmth and care for female employees. In 2021, we handled 3,616 special illness insurances for female workers. In addition, we have various forms of sympathy visits and provide assistance for employees in difficulty by such means as financial support.

● Organizing Commendation and Cultural and Sports Activities

We organize a variety of cultural and sports activities, including commendation, football match, e-sports competition, photography contest and reading club to enrich employees' life. These activities support their interests and hobbies, stimulate their vitality, and help them better balance between work and life.



Physician's Day



Employee commendation



E-sports competition



Friendship football match

Devotion to Community Development

BOE proactively assumes social responsibilities based on advantages in talents, technology, capital, culture and management. Committed to supporting the social welfare undertakings, we benefit the public with our development achievements, and expand our volunteer team to engage in educational development support, cultural heritage, voluntary public welfare and rural vitalization activities in an innovative way. Together with other players, we fulfill our commitment to sustainable social development.

Supporting Educational Development

The support for education development is among our social welfare priorities. We make our utmost contributions to the development of education in poverty-stricken areas in order to narrow the education gap. Moreover, we cooperate with universities to cultivate more innovative talents for the industry and society. We strive for a world where more children can have a platform to display their talents.

● Bridging the Education Gap

Committed to education cause, we continuously launch a variety of public welfare projects to bring health, knowledge and happiness to children with technology, care, patience and responsibility. We also pay attention to special children and organize volunteers to boost their growth.

BOE "Illuminating the Growth Path" welfare project

"Light Encounter Plan" Children's industry dream cultivation project

"Educational Dream" with the smart system

"Climbers with You - I am a Little Master of Life" public welfare event

"Stellar Project" for children with autism

BOE "Rain and Dew Plan" in the mountain

Some flagship education projects of BOE

BOE "Illuminating the Growth Path" Welfare project

In 2021, BOE joined hands with China Foundation for Poverty Alleviation (CFPA) to upgrade the "Illuminating the Growth Path" program from three parts, namely the smart classrooms, the "shared dream" summer camp and the "dream fulfillment" program, further innovating in the forms to provide smart education solutions for children in remote areas. The donation of smart classrooms to 30 township-level central schools in three counties of Sichuan and Hunan brings digital technology experience for more than 6,000 students in remote areas. A total of 30 teachers and students were organized to participate in the "shared dream" summer camp to embark to their journey of technology and culture. The "dream fulfillment" program collected paintings from 223 children in such forms as selection by experts, award incentive and online and offline exhibition, providing a platform for them to realize their dream.



"Illuminating the Growth Path - Smart Classrooms" launch ceremony



"Illuminating the Growth Path - Shared Dream Summer Camp" event



"Illuminating the Growth Path - Dream Fulfillment" award-winning work *Age Does not Change Original Aspiration*

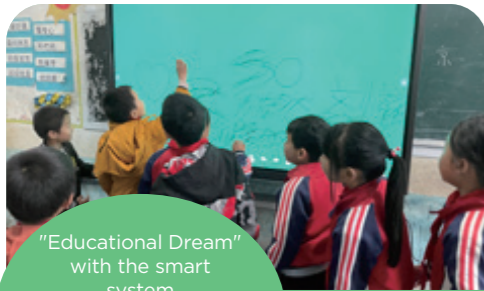


"Illuminating the Growth Path - Dream Fulfillment" poster

BOE has launched the "Children of Light" industry dream training project, allowing rural children to visit BOE's scientific and technological achievements to help their full-fledged development and vision expansion.



"Children of Light" industry dream training project



"Educational Dream" with the smart system

To improve the backward basic education in mountainous areas, BOE has donated an intelligent AIO to Zhongshuwan Primary School in Fengyan Town, Fenggang County, Guizhou Province to improve its IT-based hardware, contributing to equal education resources.

In May 2021, BOE employee volunteers played games with parents and children in Beibei Special Education School, making these special children sense social warmth on a communication platform with the outside world.



"Climbers with You - I am a Little Master of Life" public welfare event

Through training and summer camp painting launched in cooperation with Soochow University, BOE guides children with autism to get rid of social fears and obstacles and improve their social cognition and activity ability.



"Stellar Project" for children with autism

Through "book reading" "qinghe action" "dream action" and "rain and dew classroom", BOE helps children in mountainous areas grow into aspiring talents in the future.



BOE "Rain and Dew Plan" in the mountain

● Cultivating Innovative Talents

BOE develops extensive cooperation with universities to create synergy for nurturing talents. Through vocational guidance, campus competitions, curriculum development and other projects, we help graduates with the transformation of their roles and growth of professional thinking. We provide support for cultivating interdisciplinary, technical and innovative talents to boost the growth of both enterprises and the society.

Cooperation projects between BOE and universities in 2021

Project name	Forms	Coverage	Cumulative achievements
The 5th BOE Intelligent Manufacturing Competition	Establishing an integrated platform of Internet cloud services, smart devices and mobile terminals in the form of competition that combines theory and practice	Vocational schools in China	Nearly 110,000 participants from more than 800 schools, with over 5 million clicks cumulatively
Golden Phoenix Returning to the Nest	Speech, theme salon, round table, etc.	Vocational schools and second batch of universities in China	4,700 participants from 50 colleges and universities, with 59,000 views cumulatively
Industry College	Customized talent training courses based on four modules of post, course, competition and certificate	Vocational schools in China	Training of over 1,000 counterpart professionals from 6 cooperative colleges and universities every year cumulatively
Openday	Inviting teachers and students to visit the Company and brief on related products and business for them to learn industry development in advance	Nearly 20 colleges and universities in China	More than 100,000 participants from over 70 colleges and universities cumulatively
2021 BOE Innovative Competition	Collecting outstanding creative and innovative technology products from colleges and universities at home and abroad	90 prestigious colleges and universities from home and abroad	More than 2.48 million people influenced and more than 1,200 creative and innovative technology products collected from over 4,000 participants cumulatively
BOE Campus Club	Holding activities and publishing articles on the WeChat public account to promote BOE's brand image	25 colleges and universities in China	Influencing more than 200,000 people cumulatively
BOE Campus Ambassador	Launching campus debates, career planning lectures, ambassador training through BOE ambassadors	17 colleges and universities in China	Debuted in 2021, with a dozen of activities, covering nearly 2,000 direct participants and over 50,000 people influenced cumulatively

▶ Caring about Healthcare

Based on advanced medical resources and talent advantages, BOE contributes its share to the social healthcare. While setting further out in the field of healthcare, we actively shoulder the responsibility of maintaining public health and well-being. We carry out various forms of inclusive medical activities in communities to popularize health knowledge, pass on care, and establish a safe and healthy life concept. We also donate to poverty-stricken areas to improve local medical condition, helping more people in difficulties to address health issues.

● Fighting COVID-19

In response to COVID-19 pandemic, BOE has carried out scientific prevention and control and sent two medical teams to Wuhan. We have developed products and solutions including telemedicine AIO, professional medical display and intelligent temperature measurement system to assist in the COVID-19 fight, demonstrating the responsibility of a high-tech company.

The rampant Omicron mutant across a number of countries and regions is wreaking havoc on prevention and control at home. BOE pioneered the "multi-target joint inspection" strategy for COVID-19 detection and strain typing kits. Coupled with the self-developed microfluidic chip technology, the strategy continuously improves novel coronavirus detection sensitivity and can precisely identify the typing of related mutants, facilitating accurate detection and effective COVID-19 prevention in China with technology.



Automatic microfluidic nucleic acid detection system

● Free diagnosis and popular science lectures

BOE cares for public health through various medical donations, free diagnosis and popular science lectures to raise public health awareness and contribute to fulfilling the strategy of "Healthy China".



"Geshuang Flower in Bloom" Health Tour to Tibet by Hefei BOE Hospital



Free community clinic health services by Chengdu BOE Hospital



Optic examination for children by Chengdu BOE Hospital



Maternal and infant public welfare lecture by OASIS International Hospital



"Expert Lecture on Scientific Health Literacy" by Suzhou BOE Hospital



Assistance to COVID-19 vaccination by Suzhou BOE Hospital

BOE's non-profit health care activities

Entity	Project (event) name	Description
Hefei BOE Hospital	"Geshuang Flower in Bloom" Health Tour to Tibet	In partnership with the Red Cross Society of Anhui • BOE Health Fund, we screened 218 children with suspected congenital heart disease and planned to provide public welfare assistance to 34 children who meet the rescue conditions
	Popular science in communities to facilitate "Healthy China"	We held 442 public welfare activities and health lectures including medical consultation, free diagnosis and medical assistance for special groups in communities, factories, schools and mountainous areas, benefiting nearly 100,000 people
	Blood donation	We organized employees for three times of blood donations, totalling 130,000ml
Chengdu BOE Hospital	Free community diagnosis	We organized medical experts to participate in 70 activities including free diagnosis, health lectures and health consultations in communities, serving more than 40,000 residents
	Health Tour to Tibet	We carried out medical assistance through roving free diagnosis, health knowledge lectures and donation of medical supplies in Dege County, Ganzi Tibetan Autonomous Prefecture, benefiting more than 200 people and training 13 primary-level medical personnel
	"Healthy Children's Day for Eye Care" activity	We explained common sense on correct eye use and eye care to over 100 families through thematic vision examination, expert consultation, problem registration and interpretation, etc.
OASIS International Hospital	Assistance to COVID-19 vaccination	We staff more than 70 key medical personnel for assistance to COVID-19 at 14 stations in Beijing, vaccinating 34,107 doses
	"Children's Day" donation	We raised money for the maternal and child health program of Beijing Women & Children Development Foundation by charity sale of idle items and donations from maternal and child merchants
	OASIS public welfare lecture	We held regular maternal and child public welfare lectures on popular science knowledge including pregnancy, childbirth and neonatal care, totaling over 160 courses with more than 300 offline participants and more than 150,000 online views
Suzhou BOE Hospital	Free diagnosis and popular science	We provided popular health science and free diagnosis for related companies to care for the health of employees, improve their awareness of health care and advocate scientific lifestyles
	COVID-19 support	We sent 91 medical workers in 40 batches to support the COVID-19 prevention and control, and vaccinated for nearly 200,000 doses

Supporting Cultural Inheritance

As a high-tech innovator, BOE leverages technology to develop smart cultural exhibitions solutions and creates the forms of cultural exhibitions, contributing to cultural inheritance. We actively apply intriguing scientific digital display solutions to museum exhibitions, allowing visitors to enjoy the collections more clearly and learn more about cultural relics in interactions, so that traditional collections can be appreciated by the public and cultural inheritance can be facilitated. In addition, we continue to support the public welfare project Culture Volunteer Service Action of Chinese Ancient Books Census to propel the process of the Chinese ancient books census and boost cultural inheritance.

In 2021, BOE iGallery App, a digital culture platform, continued to attract cultural IP institutions to settle in, thus expanding the pool of works. Thousands of new pieces of classic works were launched for digital promotion and communication. BOE undertook the *Development of UHD Digital Art IoT Platform Based on 5G and 8K*, a special project under the Innovation Platform for Science and Technology Service and Cultural Design of Beijing Municipal Science & Technology Commission. By providing innovative products and services for UHD digital collection, display and transmission of art galleries and museums, the project further enhances the technological innovation ability of cultural relics, promotes the protection and inheritance of cultural heritage, and truly activate and promote culture among the public.



BOE iGallery contributes to a digital art exhibition launched by the National Art Museum of China.



8K + AI UHD image quality enhancement technology contributes to the restoration of BTV's documentary Forbidden City.



2021 Culture Volunteer Service Action of Chinese Ancient Books Census launched in Sichuan Provincial Library

BOE deepens cooperation in national culture IP to help activate and promote collections among the public



In December, 2021, BOE iGallery supported the "Digital Experience Exhibition of 100 Pieces of Classic Art Works in a Century". During the exhibition, 100 pieces of classic art works were displayed in a dozen of regions at home to digitally activate red classic art, allowing the public, especially the younger generation, to sense the CPC's century-old struggle. In addition, BOE iGallery supported online exhibition, with 11 million views. By strengthening digital cooperation with museums, art galleries and other public cultural institutions, BOE helps activate collections and advance high-quality cultural development, bringing excellent culture to the public.



BOE supports the "Digital Experience Exhibition of 100 Pieces of Classic Art Works in a Century"

As of the end of 2021

- ◎ BOE iGallery App collected over **44,000** pieces of professional digital art works, with more than **3.5** million pieces uploaded by users and more than **320** institutions settled in
- ◎ The Culture Volunteer Service Action of Chinese Ancient Books Census was carried out in **17** provinces (autonomous regions and municipalities), involving **1,128** university students, industry and social volunteers to complete collation and registration of **1.233** million ancient books

Serving Rural Vitalization

BOE has developed the *2021 Work Plan of BOE Technology Group to Help Promote Rural Vitalization in an All-round Way*. Based on expertise and both online and offline platforms, we channel greater efforts in innovation and management to promote the integrated development of primary, secondary and tertiary industries in rural areas. We make clear and widely implement industrial assistance, public welfare assistance, employment assistance and consumption assistance to boost rural vitalization in an all-round way. We also have established a monthly communication mechanism and adhere to the general tone of striving for stable progress, continuously advancing the national rural vitalization strategy with our advantages and responsibility.

While developing Chengqi farm and pasture products including animal husbandry and organic agriculture according to local conditions, we pursue direct purchase from origin and build a digital centralized procurement mall for online production and sales of rice, flour, oil, meat, poultry and eggs after adequate and professional inspection of both production environment and product quality. Leveraging our accumulation and advantages in the field of IoT, we have built a smart agricultural digital platform with 5G, big data and AI. We also send officials to poverty-stricken areas to support relevant work, including helping villages develop, increasing the income of villagers, improving governance level and handling personal affairs. We aim to help local farmers and herdsman get rid of poverty to increase their incomes, and boost rural economic development. Meanwhile, we provide our employees and their families with more green, healthy and reliable ingredients and products upon the above measures, contributing to full-fledged and win-win development of society, economy, environmental protection and technology.

BOE assists in sustainable development of villages with weak collective economy by improving their self-reliant capability



In December 2021, BOE and its partners officially launched the photovoltaic power generation project to increase the income of villages with weak collective economy in Dazhuangke Township, Yanqing District, Beijing. Based on local natural resources and our advantages, we adopted the operation mode of "self-generation of power for self-use and access of surplus electricity quantity to power grids", helping local villages with weak collective economy increase income and providing reference for enterprises to help rural vitalization. Going forward, BOE will continue to lead and support rural vitalization with technological innovation, enhancing the self-development momentum of agriculture and rural areas with our strengths.



BOE launches the photovoltaic power generation project to support villages with weak collective economy in Dazhuangke Township, Yanqing District, Beijing

Honors and Awards in 2021

<p>Ranked the 83th among <i>Fortune</i> China 500 Companies</p> 	<p>Brand Finance Global 500 2021</p> 
<p>Brand Finance Tech 100</p> 	<p>BrandZ™ Top 100 Most Valuable Chinese Brands</p> 
<p>2021 4th China Quality Award</p> 	<p>Entity (Brand) of Valuing Quality and Keeping Credit</p> 
<p>Outstanding Exhibition Award of the 4th Digital China Summit & Exhibition</p> 	<p>Best Technology Demonstration under People's Choice Awards at SID's Display Week</p> 
<p>Best New Display Technology under People's Choice Awards at SID's Display Week</p> 	<p>2020-2021 Top 10 CE Brands</p> 
<p>Employer Excellence of China 2021 - Corporate Social Responsibility Excellent Employer</p> 	<p>Universum Top 100 World's Most Attractive Employers 2021</p> 
<p>2021 China Talent Management Science and Technology Model Award</p> 	<p>Golden Marketing Effectiveness & Strategy Award of Golden Flag Award 2021 with "Hello BOE" Wonderful Life Pavilion</p> 

Expert Opinion



BOE CSR Report 2021 is informative and highly distinctive. This report expounds BOE's efforts in governance, environment and society fields and demonstrates BOE's philosophy of "leading social development for a better life" by driving excellent development and green development with innovation in the field of science and technology. BOE's actions, including implementing China's strategy of carbon peak and carbon neutrality and contributing to large-scale events, are also disclosed to mirror its responsibility to boost social process with the times through business development. Pragmatism pops up in my brain after reading the report. As a tech leader, BOE benefits the society and values social progress by practicing CSR concept. BOE should stay true to its original aspiration and embark on a wider path to both business development and corporate social responsibility.



Qian Xiaojun, Professor of School of Economics and Management & Associate



The issuance of CSR reports for 12 consecutive years is not only a testimony to BOE's advanced sense of responsibility to society, environment, customers, employees, shareholders and other stakeholders, but also an embodiment of its high standard set for development quality. In the report, BOE streamlines current material sustainability topics according to international standards and industry characteristics for an all-round ESG self-examination. On this basis, BOE has developed ambitious environmental management objectives and path, effective quality risk and supplier management systems, and scientific people-oriented measures to protect employees, while constantly iterating its product upgrades and service innovation. For example, BOE's Gen 8.5 TFT-LCD production line in Beijing pioneers reclaimed water 100% application for production water in the global semiconductor industry, with only 0.031 m³ of fresh water (tap water) consumed per square meter of products, at the domestic/international leading level in the industry. The report presents BOE's determination to pursue high-quality sustainable development and sincerity to serve the public and benefit the society. We look forward to BOE's future contributions as an industry leader.



Pan Zhongning, Chairman of ESG Committee and International Investment Committee, China Asset Management Co., Ltd.



I could intuitively sense BOE's persistence in CSR fulfillment from the *BOE CSR Report 2021*. BOE's issuance of CSR reports for 12 consecutive years since 2010 as a channel to communicate with its stakeholders perfectly reveals its unwavering determination and unremitting efforts towards sustainable development. The report discloses BOE's CSR practice of creating a better future with its stakeholders from the four chapters of governance, technology, environment and society. The section "Leading Green Development to Create a Better Life Together" showcases BOE's attention and response to global environmental issues and China's 30•60 Decarbonization Goal on top of its business growth, contributing to a cleaner and more beautiful ecological home for mankind. It is hoped that, under the brand mission of "change life with heart" and around the development strategy of "Screen of Things", BOE will team up with stakeholders to create a better life.



Yu Zhihong, President and Editor-in-Chief of *China Sustainability Tribune*

Assurance Report



Assurance Statement of Corporate Social Responsibility Report

TUV NORD (Hangzhou) Co., Ltd ('TUV NORD CHINA' for short) has been commissioned by the management of BOE Technology Group Co., Ltd. ('BOE' for short) to carry out an independent assurance of the 2021 Corporate Social Responsibility Report ('report' for short).

BOE is responsible for the collection, analysis, aggregation and disclosure of information within the Report. TUV NORD CHINA's responsibility in performing this work (assurance of the report) is in accordance with terms of reference agreed in the scope of engagement with BOE. BOE is the intended users of this statement.

This statement is based on the assumption that the data and information provided in the report is complete and true.

Assurance Scope

- The report reveals the accuracy and reliability for key performance, information and management system which happened in 2021.
- Due to the impact of COVID-19, in order to avoid gathering of personnel, it was changed to online assurance after being confirmed by BOE.
- We evaluate the collection, analysis, review of the information and data.
- The economic data is audited by a third party, and we do not do repeat.

Assurance of the Report was done by remote audit from Mar. 16, to 18, 2022.

Assurance Methodology

Assurance process includes the following activities:

- Review the document information provided by BOE;
- Interview the person who collected the report information;
- Refer to the related websites and media reports, verify the data and information through sampling method;
- Refer to GRI Sustainability Reporting Standards (GRI Standards) on balance, comparability, accuracy, timeliness, clarity, reliability, and give the evaluation;
- Refer to AA1000 Assurance Standard (AA1000AS v3);
- Assurance activity is based on TUV NORD CSR report assurance management procedure.

Assurance Conclusion

BOE CSR Report provides an appropriate and objective review of the sustainability & social programs and performances in 2021. The data in report is reliable and objective, TUV NORD CHINA didn't find the systematic error or substantial error, which meets the disclosure requirement of GRI Standards' core option.

- Balance: The report objectively discloses the resolution and handling of anti-corruption incidents, major work safety accidents, etc. which has a certain balance;
- Comparability: The report discloses economic data such as total assets and operating income from 2019 to 2021, which is comparable;
- Accuracy: Through sampling audit, it is found that the cases and data disclosed in the report are basically objective and accurate;
- Timeliness: The reporting period is the year 2021. The Company regularly publishes the CSR report for twelve years with good timeliness;



- Clarity: Various forms such as pictures, QR codes and notes are used in the report to make the information in the report easy to understand;
- Reliability: CSR Promotion Department of BOE is responsible for collecting, recording, arranging and analyzing the information and processes used in the preparation of the report. The data sampled during the assurance process can provide traceability, which ensures the quality and substance of the information to a certain extent.

Suggestion for improvement

Through assurance and evaluation, we had following improvement suggestion on its CSR practice and management:

- It is recommended to disclose data for three years or more for important key social and environmental performance indicators of the Company to improve their comparability;
- In the environmental field, it is recommended to disclose more data on energy consumption and carbon emissions, so that stakeholders can further understand BOE's environmental performance.

Special statement

This statement excludes:

- The activity outside information disclosure;
- The position, view, faith, object, future direction of development and promise which stated by BOE.

Statement of Independence and Competence

TUV NORD Group is the world's leader in inspection, testing and verification, operating in more than 70 countries around the world and providing services which includes management systems and product certification; quality, environmental, social and ethical auditing and training; environmental; social responsibility and sustainability report assurance.

As one of the global branches of TUV NORD Group, TUV NORD CHINA affirms its' independence from BOE and confirms that there is no conflicts of interest with the organization or any of its subsidiaries and stakeholders when performing the assurance of the Report. All information in this report is provided by BOE, TUV NORD CHINA did not participate in the report writing process.

TUV NORD CHINA

The Authorized person: Haining Song
Date: 24.03.2022

The team leader: Li Huang
Date: 24.03.2022

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BOE Website



BOE WeChat