

CHINA NATIONAL BUILDING MATERIALS GROUP CORPORATION

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China United Cement Corporation's Cement Production Base with Annual Capacity of 1 Million Tons in Mongolia

Report of National Building Materials Group

This Report gives a true picture of China National Building Materials Group Corporation's (CNBM) performance of social responsibilities.

Period of Coverage

1 January to 31 December 2015; given the progressing continuity of certain businesses or projects, some contents relate to the first and second quarters of 2016, the details of which are indicated in the Report.

Report Period

Annual report.

Chairman's Address

Stable growth, innovation, and social responsibility.



During the “Twelfth Five-year Plan” period, China National Building Materials Group Corporation (CNBM), centering on the strategic goals of “Stronger and better; World leadership”, actively transferred mode and adjusted structure, deepened market-oriented reform, vigorously promoted structural adjustment, merger and reorganization, and energy conservation and emission reduction of cement and glass, as well as developed new building materials, new housing and new energy materials, making remarkable achievements. During the “Twelfth Five-year Plan” period, CNBM realized a total profit of 55.4 billion yuan, with taxes of 61.2 billion yuan and total social contributions of 220.8 billion yuan. Started as a grassroot enterprise with small capital and weak economic foundation, CNBM has developed and grown into one of the world's top 500 enterprises with 180,000 employees and assets of more than 400 billion yuan.

The “Twelfth Five-year Plan” period is a golden stage for CNBM's growth and development, as well as a key period for us to make steady headway in social responsibility management and systematically carry out responsibility practices. Starting from releasing the first social responsibility report, we built social responsibility organization system, established and perfected social responsibility management rules, deepened the concept of responsibility and established responsibility model; we conducted stakeholder management and regular release of social responsibility report; we built the framework of five major responsibilities, continued

responsibility-fulfilling practices and persisted in improving responsibility-performing ability and level; we carried out responsibility research, joint in responsibility initiating organization and action plans to promote the dissemination and sharing of responsibility. We achieved growth from scratch and became the practitioner, impeller and leader of social responsibility.

General Secretary Xi Jinping said: “Only wealth with care is of true meaning; only the enterprises actively undertaking social responsibilities are the most competitive with the most vitality.” Over the years, CNBM has been exploring in practice the most effective ways of sustainable development, as well as its laws and logic. Business activities regard profits as the core, but the companies are not pure economic organizations whose fundamental purpose is to serve the community. As the saying goes, a small victory is won by wisdom, a big by virtue. The development of enterprises should be combined with well-being of human, fate of the country, interests of the industry and happiness of employees. We should stand on the moral high ground to do business.

CNBM has always regarded “people” as the company's most valuable asset, and adhered to the principle of “enterprises being people, by the people, for the people and loving the people.” Running enterprises relies on efforts and dedications of cadres and staffs; the development of enterprises is, in the final

analysis, for the people, including business people, investors and social persons. We have always been people-centered, focusing on the life security and occupational health of employees, respecting employee's rights and interests and caring staff's well-being and growth. We will build the corporate into a stage for employees to show their talents, as well as a home giving them sense of security, warmth and happiness. We devote creativity and labor contributions of staff to social developments and regard human happiness and value as a significant goal and the fundamental pursuit of the Group.

PNALTA. We always adhere to the idea of “industry interests outweigh those of enterprises which lie in the former” and strive to prop up the umbrella aiming at coexistence and multi-win situation for the industry. We take the lead in eliminating the backward, merger and reorganization and industry consolidation, leading the industry from competition to cooperation-competition and from the jungle to the blue ocean. We unite industry strengths with inclusive heart, making cement-industry concentration degree increase from 15% in 2005 to the present 58%. We have continuously expanded scientific and technological resources of the industry, built industry's innovation flagship and contributed efforts to industry sustainable development. A number of major scientific and technological achievements have been successfully applied to major engineering and construction projects such as Beijing Olympics,

high-speed railways, the Three Gorges, and Beidou Satellite. We promote adjustment and upgrading of industrial structure while realizing leapfrog self-development.

HAIF. Building materials industry has all the time been highly dependent on resources and energy. We pay more attention to the sustainability of resources and energy, climate and ecological and environmental problems. We have implemented efficient manufacturing, clean production and comprehensive utilization of industrial and urban waste resources in many ways, achieving nearly 100 million tons of absorptive capacity of solid waste and taking lead in green manufacturing of building materials. In 2015, we launched “Blue Sky Responsibility” action plan, and made guarding the blue sky the first corporate responsibility, and proposed implementation plan for building materials industry group to tackle climate change. We are committed to providing for the community green and environment-friendly building materials, promoting new building materials and Energy Plus 5.0 green town. We manufacture fan blades and strive to develop thin-film solar cell industry. Solar energy conversion efficiency of thin-film solar cell module has exceeded 17.9%, making contributions to the development of new energy.

TAL. We will continue to promote innovation-driven development, and strive to become a practitioner, advocate and promoter of harmonious development.

REAL. CNBM is an advocate and practitioner of common development concept. In the meantime of giving play to our own industrial advantages, we promote common development within our area and related industries. During the “Twelfth Five-year Plan” period, a total of 42.18 billion yuan was turned over to local taxes, a total of more than 90,000 new employment opportunities were created and our charitable donations reached 88.31 million yuan. In the practice of “the Belt and Road Initiative”, we uphold three concepts: first, to contribute to local economic development; second, to work closely with local businesses; third, to live on friendly terms with local people. With common development concept as the core, we actively promote policies of localization of raw materials, staff, environmental protection and public welfare, adhere to responsible development and utilization of resources in the area when giving play to our own industrial advantages, provide goods and services, jobs, tax contributions, public support for the region and protect the local environment and market order, and strive to become a practitioner, advocate and promoter of harmonious development.

Chinese economy has entered a new normal, with lack of market demand and severe overcapacity, and is facing enormous pressure and challenges. Looking into the “Thirteenth Five-year Plan” period, CNBM people, with full confidence, have worked out a blueprint for transformation in the new stage. In the next five years, we will focus on five development philosophies, stick to “three major development strategies” of innovation-driving,

green development and internationalization; as for transformation and upgrading, we will work well to achieve the transformation and upgrading of traditional industries; we will vigorously develop the “three new” industries, strengthen “three curves” of manufacturing servitization and R & D industrialization, promote “four changes” in business model, value orientation, business areas and market area to achieve humanization, wisdom, green-orientation, performance-base and “five visions” of global enterprise groups.

As Confucius said, “the benevolent love others”, “the benevolent take delight in benevolence; the wise practice benevolence for its sake”. The true benevolent should bear in heart sincerity for love and the true wise must show with practice their favor of benevolence. Responsible businesses should have the quality, culture and mind of the benevolent, as well as the attitude of gratitude and the idea of love. We should make efforts to give back to and benefit the society with inclusive philosophy and spirit of altruism. We should adhere to “self-discipline and social commitment”. We believe that if we stand on the moral high ground to do business and make joint efforts with stakeholders, we will surely have a better and more harmonious future!

Chairman Song Zhiping



Company Profile

As the leader of China's building materials industry, CNBM is the largest comprehensive building materials industry group in China. It has been ranked first among the top 500 enterprises in the building materials industry for many years, 50th among the Top 500 Enterprises in China, and 270th among the Fortune Global 500. Up to the end of 2015, the total assets of the Group amounted to RMB 432.65 billion and the total number of employees reached 176,610. In 2015, CNBM achieved revenue of RMB 199.25 billion with total profit of RMB 3.84 billion, whilst taxes paid amounted to RMB 11.91 billion.

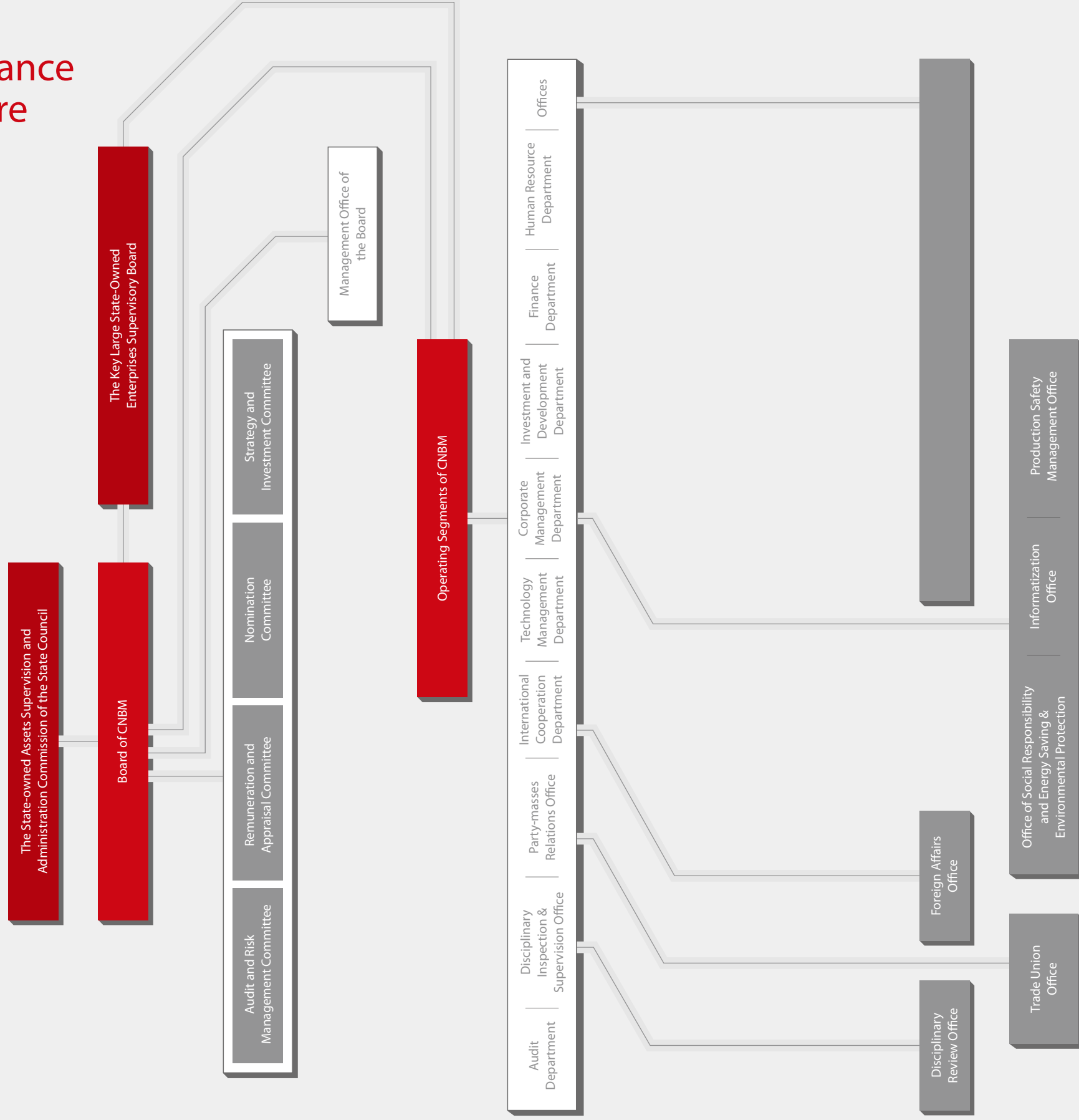
Headquartered in Beijing, CNBM has over 1,100 member companies, and dominates 6 listed companies, including 2 overseas listed companies. Member companies of CNBM are located in 30 Chinese provinces, municipalities and autonomous regions, whose businesses cover over 120 countries and regions in the world.

As an enterprise engaged in the highly competitive field, CNBM takes "efficient use of resource, serving the construction" as our core values, always follows market rules, strongly promotes structural adjustment, consolidation and restructuring, and energy conservation and emission reduction of such industries as cement and glass. CNBM vigorously develops new building materials, new energy-saving buildings, and advanced energy materials. CNBM has unswervingly followed the development path of capital operation, consolidation and restructuring, management integration, and integrated innovation. We have gradually established business segments of industrial manufacturing, research and design, engineering services, equipment manufacturing, logistics and trading, and new housing. We are committed to becoming a world-class comprehensive building materials industry group with sustainable innovation capabilities and outstanding international competitiveness.



Total assets of RMB 432.65 billion in 2015	Total profit of RMB 3.84 billion in 2015
176,610 employees in 2015	Taxes paid of RMB 11.91 billion in 2015
Revenue of RMB 199.25 billion in 2015	

Governance Structure



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China New Building Huagou Residence Industry Co., Ltd.	China Building Materials Academy (Beijing Headquarters) Rutai Materials Technology Co., Ltd. China Building Materials Test & Certification Group Co., Ltd. Hefei Cement Research & Design Institute Harbin FRP Institute CNBM Design & Research Institute Qinhuangdao Glass Industry Research and Design Institution Xian Research & Design Institute of Wall & Roof Materials Xianyang Research & Design Institute of Ceramics Horological Research Institute of Light Industry	
C a Nat a B E $\varnothing$ ι I φ ι E φ ι C φ φ at	C a Nat a B Ma$\varnothing$ φ a φ ι C φ φ at	China National Building Materials & Equipment Supply Chain Co., Ltd. CNBM Smart Industry Technology Co., Ltd. CNBM International Engineering Co., Ltd. CNBM International Corporation CNBM International E-Commerce Corporation CNBM Wood Trading Co., Ltd. CNBM Engineering Materials Co., Ltd. CNBM Technology Co., Ltd.
CNB<u>M</u> U $\varnothing$ I $\varnothing$ ι $\varnothing$ ι C $\cdot$ Lι . Zhongfu Shenying Carbon Fiber Co., Ltd.	$\mathbb{B}$ $\mathbb{N}$ B Ma$\varnothing$ φ a (G $\cdot$) C $\cdot$ Lι .	
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Business Activities

The annual capacity of cement is about 400 million tons; ready-mixed concrete is 410 million m3, both of which rank the first in the world.

Representative companies
China United Cement Corporation, South Cement Company Limited, North Cement Company Limited, Southwest Cement Company Limited, CNBM Investment Co., Ltd.

The glass industrial platform can produce high-quality float glass with a processing capacity of 10 million m2, covering products of vehicle glass, architectural fabricated glass, and decorative glass. We can produce 15 ultra-thin glass products from 0.15 mm to 1.3 mm. We also have an industrial base capable of producing 40 million pieces of ITO electropane and TFT crystal glass substrates.

Representative companies
China Luoyang Float Glass Group Co., Ltd., Anhui Huaguang Photoelectricity Materials Technology Group Co., Ltd., Bengbu Design & Research Institute for Glass Industry

The light-weight building material industrial platform includes three business sectors, namely the wall and suspended ceiling system, the housing parts and architectural energy conservation system, and the exterior building envelope system. It provides application solutions pack for public buildings and family housing with its complete product system. It also possesses internationally recognized high-end brands and proprietary intellectual property rights, as well as 54 major industrial bases. Its annual productivity of gypsum plasterboard exceeds 2 billion m2, ranking the first in the world.

Representative companies
BNBM Public Limited Company

The total productivity of fibreglass has surpassed one million tons. We have several production bases both at home and abroad, and the world's largest alkali-free tank furnace production line with annual capacity of 120,000 tons. We also possess proprietary intellectual property rights of such packaged technologies as alkali-free tank furnace, medium-alkali tank furnace, recycling of wasted silk of fibre glass, etc.

Representative company
China Jushi Co., Ltd.

We have the 1,000-ton carbon fibre production line, which owns the largest scale and most advanced technology in China. We've reached the annual productivity of 10,000 tons of PAN silk and 5,000 tons of carbon fibre. We have China's first production line successfully producing high-quality Tj 00 PAN silk and carbon fibre and T800S carbon fibre with good performance, with the productivity of Tj 00 silk reaching 8,000 tons and that of Tj 00 carbon fibre reaching 4,000 tons. We can produce ACCC conductor with a sectional area of 150 – 1,250 mm2, which can be applied in transmission lines of 35 – 1,000 KV.

Representative companies
Zhongfu Shenyang Carbon Fibre Co., Ltd., Zhongfu Carbon Fibre Core Cable Technology Co., Ltd.



We are a leading manufacturers of megawatt rotor blades in China, with a total capacity of 4,500 sets. Our products have 9 series and 58 types with categories varying from 1.25 MW to 6 MW, and length of blade varying from 31.5 meters to 57.5 meters. Our products cover all categories of products for land and marine use, and have been exported to dozens of countries and regions. We have blade production bases in Lianyungang, Shenyang, Jiuquan, Baotou, Hami, and Guizhou respectively, a R&D center in Germany, and a national blade testing center.

Representative companies
Lianyungang Zhongfu Lianzhong Composites Group Co., Ltd.

We establish a whole industrial chain of BIPV (Building Integrated PV) with a focus of thin-film solar products and technologies. We have several solar cell production bases at home and abroad. We have a 100-MW CIGS thin-film solar cell production base in Germany, and have developed several PV power stations in China, Great Britain, the United States, Thailand, and Japan respectively. We are committed to the integrated application of advanced energy materials and distributed energy and carrying out the R&D and application and dissemination of new-energy housing.

Representative companies
Bengbu Design & Research Institute for Glass Industry, China Triumph International Engineering Co., Ltd., CNBM Jetion Solar Technology Co., Ltd.

Our products include refractories of fusion-cast zirconia alumina and fusion-cast aluminum oxide series, and unshaped, basic, alumina-silica and silica refractories. We have a world's largest professional production base of fusion-cast refractory, whose annual productivity is nearly 40,000 tons, and an automatic production line of unshaped refractory with annual capacity of 100,000 tons. Our comprehensive strength, product quality and service are all at a leading level in the industry.

Representative company
Ruitai Materials Technology Co., Ltd.

As the amateur and promoter of the environment-friendly and energy-conservation new housing industry of China, we integrate R&D, design, production and installation with system integration, and have several product systems, including steel, wood, PC, etc. As one of the first national demonstration bases of housing industrialization, we have many demonstration bases of new housing in Beijing, Sichuan, Jiangsu, Hainan, etc.

Representative companies
Beijing New Building Materials (Group) Co., Ltd., China New Building Group Corporation

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With our experience of new Internet technology and e-commerce operation, we have rationally and effectively integrated such services as suppliers of bulk building materials, logistics and transportation, insurance and credits, inspection and quarantine, etc. We provide comprehensive solutions covering all links of international trade, and have realized the online one-stop management of export services. We've become a comprehensive building materials service provider for the international market, and been listed as a key export support enterprise and key commercial distribution enterprise by MOFCOM.

Representative companies
China National Building Materials & Equipment Import & Export Corporation, Beijing New Building Materials (Group) Co., Ltd., CNBM Investment Co., Ltd.

V r a t e r e

Backed by the Group's strong research and technical capabilities, the verification service business covers testing and verification services, including certification test, energy efficiency assessment, carbon assets checking, contract energy management, comprehensive utilization and evaluation of resources, production approval and evaluation of green building materials, energy-conservation building materials, and supporting building materials products for constructions. We provide technical guarantee for the QC of building materials products, and the sound and sustained development of building materials market.

Representative company
China Building Materials Test & Certification Group Co., Ltd.



343 quantitative indicators
of social responsibility
management

11th in Top 300
Enterprises of CSR
Development Index of
China in 2015

Five-star in the 2015
Evaluation of Corporate

Plaster Board Production Line of BNBM Public Limited Company

Responsibility Values System



We reward our shareholders and investors with excellent operating results, serve our clients with quality products and services, growing together with our suppliers and industrial partners, and providing a platform for all the stakeholders to create values. Meanwhile, upholding the philosophy of “industry interest overweighs corporate interest”, we seek to achieve mutual development and create win-win situation with the industry and peers of the same industrial chain.

We take up the task of industrial innovation with our strong scientific prowess, advance industry transformation and upgrading with our forward-looking vision and advanced technology, disseminate and share technical information, devote ourselves to creating a greener, more comfortable and more intelligent living environment, and build a sustainable future.

We comprehensively utilize industrial and urban wastes, producing low-carbon products with minimized consumption and emission. We are committed to providing reliable and green building materials, sharing effective green technology and management experience, exploring development modes for the harmonious coexistence of industries and nature, and advocating sustainable development of industry and society.

We pledge to guarantee the safety and health of our employees, safeguard their rights, respect their differences and make the Company a reliable partner and a happy and comfortable home to our employees. We'll build a sustainable and better future together with all our employees and deliver happiness to the society.

In the process of production and operation, we pursue mutual development and growth with the region where we operate; our achievement cannot be realized without the support of relevant stakeholders and the society, we reward the society through characteristic public undertakings. Our employees are pleased to contribute to the society and actively participate in voluntary service, practically performing the responsibilities of corporate citizens.

Responsibility Management Mechanism

29,000 employees participated in training related to social responsibility in 2015

- We take the leading organization of social responsibility as the core with “CNBM Leading Group for Promoting Social Responsibility” headed by the Chairman. The Leading Group, the highest leading organization to promote social responsibility endeavors, is in charge of guiding and promoting social responsibility initiatives.
- We take the social responsibility management functional organization of the headquarters as the links, direct and advance member companies in strengthening the social responsibility management and actively performing their responsibilities. According to the division of businesses, functional departments in the headquarters work in coordination to advance special tasks.
- With member companies at all levels as nodes, and according to the unified requirement of the headquarters, we define functional departments and assign management personnel to perform social responsibility plan and scheme of the group, satisfy work requirements, and actively perform responsibilities.
- We prepare and issue annual social responsibility reports to continuously improve the capability of social responsibility fulfillment and improve management through the procedures of preparation, benchmarking and assessment. Reports are regularly published and information about developments of social responsibility fulfillment is irregularly released at the special column of the website to constitute an
- We give full play to the talent resources of management experts within the Group, and take their suggestions and advice in terms of adjustment of concept and strategy of social responsibility, preparation and revision of management systems, and the establishment and quantification of social responsibility indicator system, ensuring the feasibility and operability of social responsibility management mechanism.
- We strive for social resources, actively seek help from professional consulting agencies, learn new trends of social responsibility theories, grasp latest international development tendency of the social responsibility, further study the new standards and requirements of social responsibility management, and guarantee the professionalism and compliance of the Group's social responsibility management system.

Market
Performance

We reward our shareholders and investors with excellent operating results, serve our clients with quality products and services, growing together with our suppliers and industrial partners, and providing a platform for all the stakeholders to create values. Meanwhile, upholding the philosophy of “industry interest overweighs corporate interest”, we are dedicated to promoting industry restructuring, transformation and upgrading, and seek to achieve mutual development and create win-win situation with the industry and peers of the same industrial chain.

Revenue of RMB 199.25 billion in 2015

Total profit of RMB 3.84 billion in 2015

Taxes paid of RMB 11.91 billion in 2015

Intelligent Warehouse of China Jushi Co., Ltd.

Dealing with New Normal by Surmounting Difficulties

2015, just last year, was the most difficult year for cement industry during the past 25 years. In 2015, CNBM faced the most serious and complex situation and the most difficult tasks since the outbreak of financial crisis in 2008. The painful process caused by restructuring and difficulties in building up new driving forces were intertwined; low effective demands and a shortage of effective supply coexisted. We suffered intensified industrial overcapacity, weak market demands, sharp decline in prices, and severe cutthroat competition. And the

cement industry suffered a negative growth for the first time during the past 25 years, decreasing by 5.3% on a year-on-year basis, with a sharp decline in industrial economic benefits.

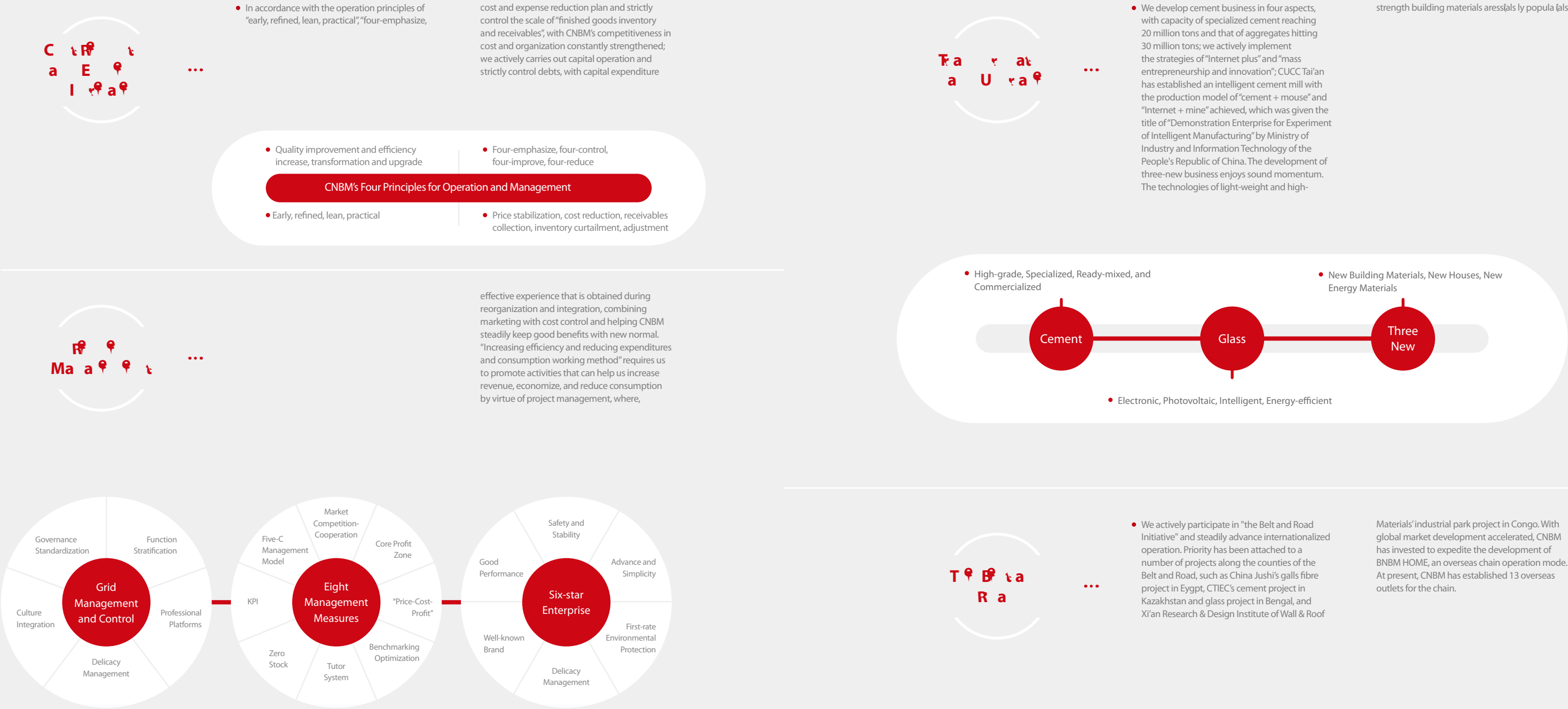
During the past year, we endeavored to overcome the difficulties of the decline in sales volume, price, and economic benefit, strengthen marketing, adhere to the concept of price-cost-profit and self-discipline conventions, and lead the industry to a development path with orderly competition,

price stability, energy, and sound operation. Concerned companies actively carried out three-dimensional competition-cooperation by region, category, and structure; we made efforts in the field of supply by conducting peak-shifting production and closing down some kilns for production restriction so as to address the imbalance between supply and demand, stabilize prices, expand sales volumes, and maintain market shares. We actively promoted the concept of sound industrial development for the plateau of new normal, and endeavored to create a

positive atmosphere with industrial self-discipline.

The whole management and all the staff of CNBM worked hard together. In face of heavy operating pressure, the Group's cement business didn't offer good performance, but compared with the overall situation of the sector, other basic raw materials industries, and most of comparable companies, CNBM's cement business offered a better performance. Gratifyingly, three new business sectors, such as rotor blade,

glass fibre, and engineering services, offered excellent performance. In 2015, the cost of cements sector declined by 11%. The performance of major products of three new sectors met expectations and took over the lead: the sales volume of rotor blades increased sharply; the sales volume of glass fibre increased by 4% on a year-on-year basis, offering excellent performance in price and cost, with retained profits increasing by 10%; revenue and gross profit rate of engineering services increased on a year-on-year basis.



Responsibility Operation for New Development

- We insist on the working rule of lawful, compliant and honest operation. The Group has been awarded as AAA in credit rating for many years.
- We insist on fair competition without infringing competitor's or partner's rights by improper means or misconducts (fraud, bribery, malicious price cutting, etc.), and advocate building good partnerships based on free will and equality.

86,000 person-times of employees participated in legal publicity and education in 2015

%

In 2015, the rate of legal review of rules, regulations, management decisions and management contracts was 100%

%

In 2015, the performance rate of business contract was 99.8%

In international operations, we firmly maintain national interests and our dignity, and actively respond to malicious anti-dumping events. With great attention paid to promote the concept of fair competition, staffs are organized to participate in fair competition training.

- We continue to improve our legal affairs mechanism. Major decisions and management contracts must be subject to a strict legal review procedure. Rules and regulations can be issued and put into practice only if approved by the legal affair department; we adhere to the integration of law popularizing activities with legal affair management and by means of law-popularizing activities in different form, we deeply publicize the concept of "legal system" and prevent risks in a systemic way.
- With much attention paid to anti-corruption, we integrate anti-corruption into reform, development and stabilization of the enterprise; we emphasize integrity in work and make efforts to create the culture of integrity; to give full play to its effects, efforts are made in efficiency supervision and inspection; we establish and perfect bodies for discipline inspection and supervision and further develop organizations and teams for discipline inspection and supervision, with work efficiency and quality of the Group continuously improved.

interests of medium and small shareholders and an effective mechanism to maintain seats for and allow disinvestment by small shareholders is set up.

- Public companies truthfully, accurately, completely and compliantly disclose periodic financial data, significant matters and the matters required to be disclosed in accordance with Information Disclosure System issued by supervisory authority. In case that a company encounters an emergency possibly influencing its share prices, the secretary of the board of directors would organize study on handling, and timely disclose related information to investors in accordance with related procedure.

- CNBM establishes a standard corporation management system. As the strategic, resource and cultural center, the headquarters of the Group exercises the rights and functions of capital contributor. Business platforms focus on their expertise and principal businesses to build up profit centers. As operating entities, the enterprises at the primary level implement strict cost control while assuring quality. We align the pace of different enterprises with orderly management in the course of rapid development.
- Public companies build up efficient and streamlined shareholders communication model. Shareholders exercise their rights by holding shareholders meetings. They implement daily operation, supervision and management of the company through the board of directors and the board of supervisors. Decision-making by major shareholders or controlling shareholders and their control over board of directors and board of supervisors are regulated to give full play to the role of independent directors in protecting

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- Service systems for pre-sales consultation, sales reception and after-sales service are well established. Complaints and inquiries from customers are responded to and handled without any delay. We own professional customer service teams and they regularly provide professional training for our agencies. Customer training meeting and product publicity meetings are held to deliver basic knowledge of green building materials, notes on selection and use of building materials, and knowledge of counterfeit identification to customers. With attention paid to protecting customer privacy, we execute a strict confidentiality system for customers' personal information.

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- Keeping the responsibilities of leading enterprises in mind, we serve economic and social development, pay taxes, offer opportunities of employment, and support programs for public good, making contributions to national economy and harmonious development of the society.
- Under the concept of "industry interest overweighs and breeds corporate interest", we firmly curb illegal and blind capacity expansion, and practice expansion based on stock combination, technological transformation and upgrading based on increment input, and benefit creation based on management integration; we maintain balance between supply and demand in the market, execute industrial reconstruction, improve concentration ratio of the industry, and endeavor to create a new intra-industry ecosystem.



Energy Saving & Environmental Protection

We comprehensively utilize industrial and urban waste resource and manufacture low carbon products with minimal consumption and emissions; we are committed to providing the society with green and environment-friendly building materials with reliable quality and providing product and service support for new energy industry; we are delighted to share effective energy saving technologies and management experience, explore development mode for the industry and the nature to co-exist in harmony, and advocate sustainable development of the whole industry and society.

In 2015, investment for energy saving and environmental protection reached RMB 1.1 billion

In 2015, installed capacity of cogeneration reached 1.32 MW

In 2015, treated and reused solid waste reached about 100 million tons

▶ Rotor Blades Production Base of Lianyungang Zhongfu Lianzhong Composites Group Co., Ltd.

Green Operation

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- We strictly abide by industrial access system, and resolutely close down outdated production facilities. We strictly implement the national quota on energy consumption, continuously improve the efficiency of energy utilization, and keep the energy consumption of main products at an advanced level. We strictly abide by standards on pollutant emission, improve monitoring and emission reduction systems, and ensure clean production and that the emission reaches the standards.
- Mining is carried out according to the Green Mine Convention. We timely carry out ecological restoration while developing limestone mines. We respect the Convention on Biological Diversity; carry out strict arguments on the site selections and layouts of factories; protect natural habitats, wetland, forests, corridors for wildlife and agricultural land during the construction of the projects; and

reduce the adverse effect on surrounding environment and communities to the minimum.

- We strictly perform the approval procedures of project environmental assessment, implement the “three meanwhile” requirement of energy saving and environmental protection for fixed-asset investment projects, and earnestly organize and carry out the feasibility evaluation and environmental impact evaluation for new reconstruction or expansion projects. We establish the environmental risk warning mechanism, prepare contingency plans, and prevent and reduce potential environmental hazards.

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53,000 person-times of employees attended training in regard of energy saving and environmental protection in 2015

13 on-site conferences were replaced by video conferences in 2015

Green Synergy

Green Synergy

- We implement green procurement. In the procurement of raw materials, we give priority to products which are low-carbon and environmentally-friendly in the production and have a lower degree of damage to the environment; when selecting energies, we choose clean energy, and vigorously promote the use of such non-fossil energies as low-grade energy, municipal refuse, biomass energy, etc; when choosing daily office supplies and other consumer goods, we prefer products with simple packages and convenient for recycling.
- Provide green building materials products. We research and develop new building materials, which is carried out in accordance with four core concepts, namely energy

saving, safety, comfort, and ecology. We improve the quality of products, extend the service life of products, and reduce repetitive production. We develop and use industrial waste resources as raw materials to produce building materials to reduce the consumption of natural mineral resources, and achieve maximized recycle and effective disposal after service life. The new housing products not only integrate high-performance green building materials, but also joint seamlessly with new energy technologies and intelligent control technologies, thus turning into zero-emission, energy plus, future-core dream homes.

1 assigned operation utility of CDM

1 training base of building materials industry of national carbon market competency construction

Green Synergy

It has always been the dream of China National Building Materials Group Corporation to develop green building materials and build green constructions. In the nearly 40 years of exploration and practice, the Group has chosen new-type houses as supporting points to start a way for building green dream houses.

New-type houses refer to the kind of green building and manufacturing mode that is high-efficiency, high-quality, resource-saving (energy saving, water saving, materials saving and land saving) and less-polluting with new-type environment-friendly building materials as well as with standardization, normalization and refinement as productive criterion, modular coordination and information technology equipment system intelligentization

as basis, large-scale manufacturing of house components as industrialization means and on-site mechanized assembly construction as mode of operation. Compared with the conventional brick-structure houses, new-type houses have such physical performance advantages as safe structure

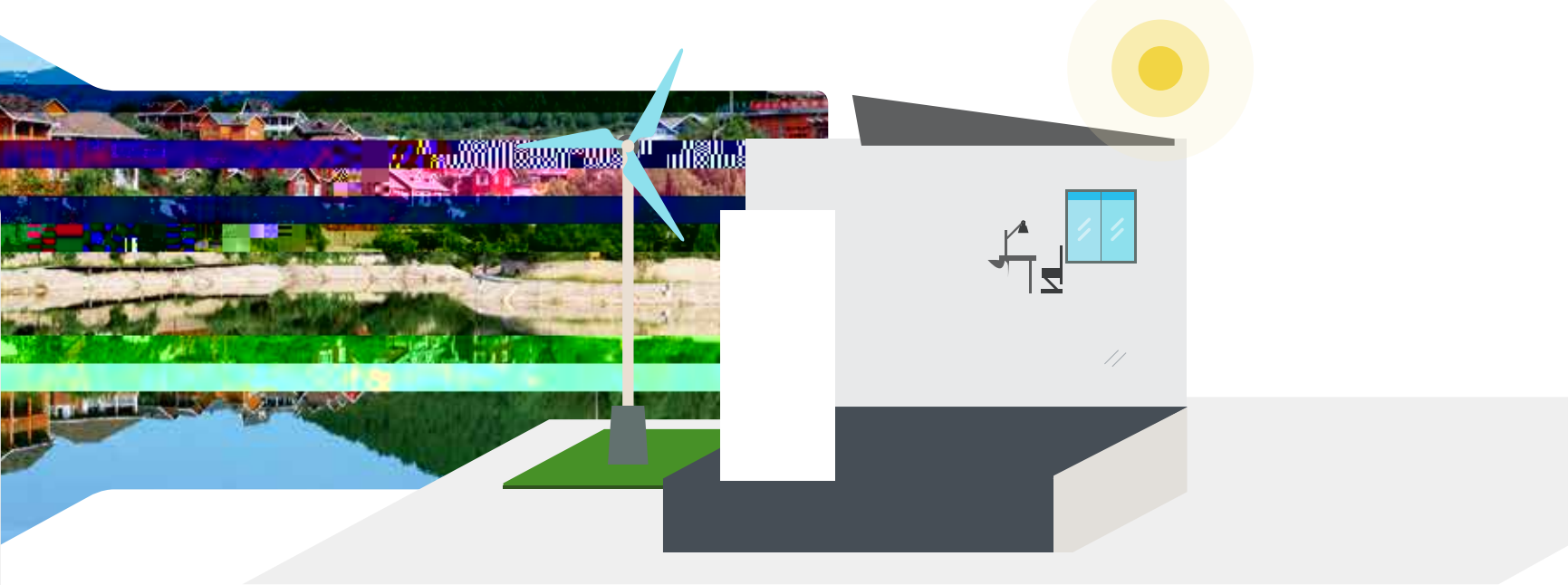
Green Synergy

- We establish the information open mechanism. We disclose annual energy

climate change, environmental protection, dust-haze treatment, and low-carbon development. We also advocate and implement peak-shifting production, relieve the problems of overcapacity, and explore the sustainable development.

- We are active in environmental protection welfare and publicity activities, doing our best to promote environmental protection concepts; we donate money and supplies to support the construction of environmental protection facilities. We develop ecological forests with local

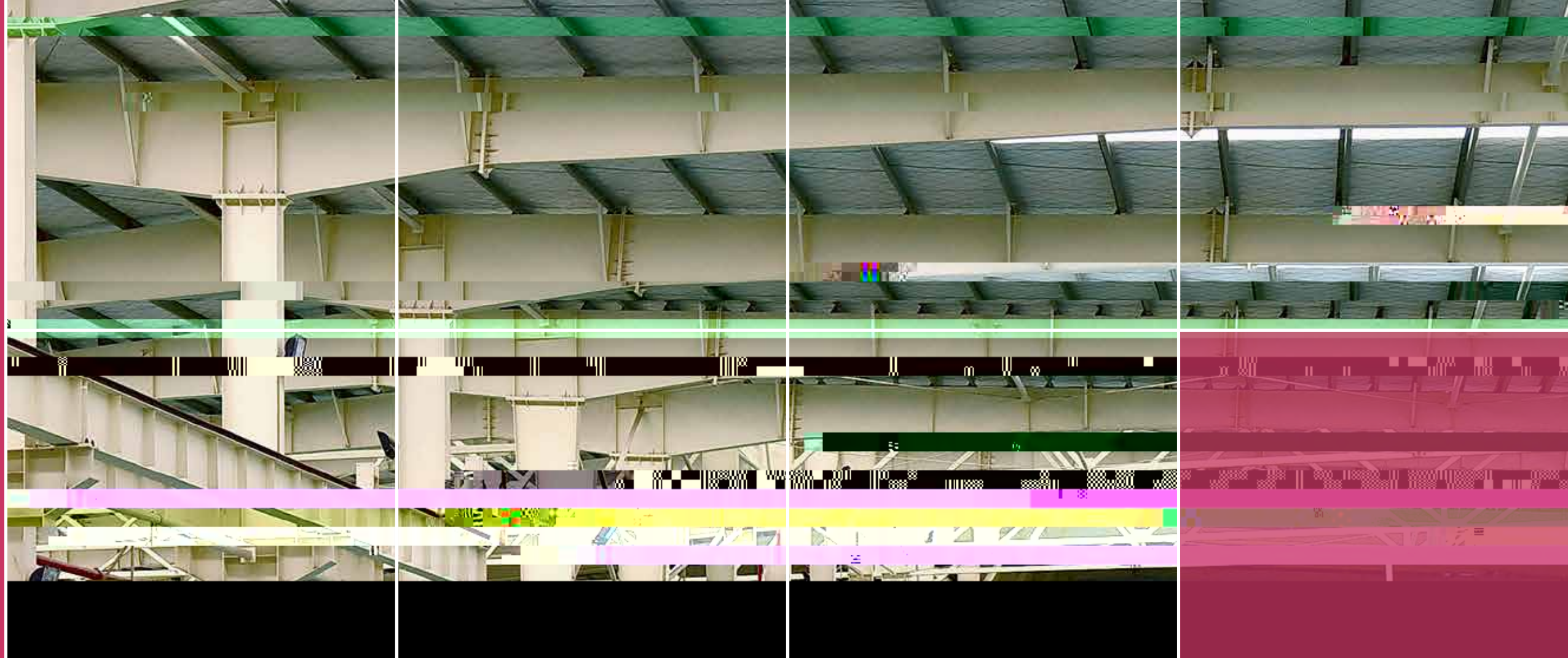
In 2015, we organized or participated in / 52 publicity events on environmental protection





Employee Care

We make every effort to safeguard the rights of our employees, respect their differences and make the company a reliable partner, and a happy and comfortable home for the employees. We try to build a sustainable and better future together with all our employees and deliver our happiness to the society.



%

In 2015, the employee turnover rate was 13.4%

Ultra Clear Glass Production Line of China National Building

Safety

We have established a domestically top-ranking management system for safe production with safe production accountability system as the core, the standardization of safe production and the post safety technical regulations as the emphases, troubleshooting and treatment of accident potentials as the methods, the informatization of safety management as the tool, and the development of safety culture as the guarantee, to ensure the safe production and occupational health of staffs.

Safety Management

- We set up the organizational system for safe production with the principles of comprehensive coverage and practicality. The managers in charge would be the primary persons responsible for safety in the workplace and take charge of safe production matters. All key production safety enterprises within the Group employ full-time production safety management personnel. We establish smooth channels for feedback, and encourage all staffs to participate in safety management.
- We attach great importance to building up a safety management team. We have continuously fostered the sense of responsibility and awareness of safety procedures in the workplace and improved the professional quality of safety management personnel. We strictly follow CNBM Safety Training Rules, ensuring the popularization of safety knowledge, the execution of safety procedures, the

implementation of contingency plans, the knowledge of occupational hazards, and the self-protection abilities through training and assessment.

- We give importance to investment in safety in order to provide financial support for improving and maintaining the safety equipment and facilities, implementing technical innovations for the purpose of essential safety, organizing training in safety procedures, spreading safety culture, etc.

124,000 person-times of employees received training in occupational health and safety in 2015

About RMB 5.0 million was invested in occupational health and safety in 2015

Safety Management

- We have established safety production management system covering penalty for safety violations, etc. We have also

- Intensify the check of hidden dangers. We take the development of “capacity to reject and prevent hidden hazards” as an important part of the effort to improve the basic management level of enterprise safety, and promote the closed-loop control, composed of “basic capacity building—assessment and control of latent dangers of accident—work and performance reward assessment—the ability to enhance the safe operation”, to achieve the PDCA’s continuous improvement. We explore and establish a six-in-one screening and governing system of accident potential, the six respectively being “focusing on the job responsibilities fulfillment, using listed investigation standards as a tool, taking the close-loop self-examination and self-reporting of hidden hazards as the means, basing on team construction and all-staff participation,

taking reward and punishment system as the safeguard, and being supported by information-based management tools.”

- Informatization technology is applied for the purpose of safe production management. The safety management information system independently developed by CNBM has also been included as one of the “Integration of Informatization and Industrialization” key projects by the Ministry of Industry and Information Technology. Online

- We continue to improve the emergency management system. In the system that covers all layers of the Group, the Group’s emergency management team takes the general charge, while the emergency management teams of the member

idea of “people first and life foremost” into the corporate culture.

- We attach great importance to safety and occupational health management of suppliers and subcontractors, include terms on safety and occupational health into sere contracts, and cooperate with companies in the supply chain to carr routine safety checks, training, emergency response drills, and culture transmission.

63,000 person-times of employees participated in emergency response drills in 2015

Occupational Health

30.8%

Recordable injury rate per 1,000 employees was decreased by 30.8% on a year-on-year basis in 2015

97.1%

In 2015, the completion rate of physical examination of employees reached 97.1%

- We have installed and optimized supporting facilities for dust prevention, gas defense, noise reduction and emergency alerts as well as first-aid equipment in the production place, based on our in-depth study and analysis on the features of building materials production. For the purpose of labor protection, we offer labor protection articles, which are put in place and replaced in a timely manner to ensure their efficacy.

- We gradually incorporate mental health into the occupational health management. We encourage member companies to set up mental health consultancies or cooperate with mental health institutions to build health record archives and pay attention to the mental health of our employees.

- It’s an established practice to organize employees to take health examinations, arrange extra heath checks for staffs in jobs with exposure to dust or radiation, establish Personal Health Record and keep reexamination.

Industrial Safety

In 2015, production safety accidents happened in two member companies of China National Building Materials Group Corporation. After the accident, the Group rescued the employees and comforted their families immediately; reported the accident conditions in a serious manner, investigated and analyzed the accident causes thoroughly and seriously punished the responsible persons. The Group has also requested that all the member companies including those where accidents happened investigate and implement enterprise entity responsibilities seriously, further establish and improve regulations of safe production in accordance with such legal provisions as Law on Safety in Production and Safety Production Management Regulations, strengthen the on-site

safety management and eliminate hidden troubles of production safety from the source. Supervision and accountability on commanding against rules, illegal operations and violation of labor discipline should also be enhanced. The Group should make every effort to investigate hidden troubles of production safety and urge those with potential safety hazards to rectify and reform immediately to ensure safe production, strengthen employee safety training and ensure the blind-angle-free training, enhance the examination, supervision and training of outsourcing labor employment, treat the production safety accidents with sincere and positive attitudes, take this as a lesson, make attentive improvements and restart, ensure life health of the employees and safe production of the Group.

2 production safety accidents happened in 2015

Dignity

E a t ...

- We respect and support the international covenants on human rights and labor standards, strictly forbid forced labor and discrimination, guarantee a decent working environment for employees, and strictly prohibit and reject employing child laborers in any form.
- We adhere to equal employment, respect and equally treat employees of different nationalities, ethnics, genders, ages, religions and cultural backgrounds. Employees are recruited and employed in an open, fair and impartial manner.
- In line with the principle of equal pay for equal work, we equally treat part-time employees, day laborers, and the workers of our subcontractors. Their legitimate rights and interests are well protected.
- We respect the privacy of employees, and have established a privacy management system covering such management links as recruitment, assessment, health records, etc.

In 2015, the number of female employees reached 41,000

In 2015, the number of minority employees reached 3,521

In 2015, the number of disabled employees reached 1,449

Happiness

I f t t ...

- We spare no efforts in the construction of learning groups. We aim to build a multi-channel, multi-form, multi-level and differentiated employee cultivating and training platform. Following the training approach of “based on internal training and supplemented by external training”, we share the education resources to build a comprehensive training system for the Group. We support the autonomous training of employees and encourage them in active learning. We also support and guarantee the re-education, re-training and re-learning of employees from the aspects of working hours, training investment and

C a ...

- In strict compliance with “Labor Contract Law of the People’s Republic of China” and relevant laws and regulations, we sign labor contracts with our employees and standardize the labor contract management.
- We pay basic pension insurance, basic medical insurance, unemployment insurance, work injury insurance, maternity insurance and other social insurances for our employees in accordance with laws, and establish schemes of supplementary medical insurance, corporate pension, and

periodical physical examination system. We also encourage our member companies to purchase accident comprehensive insurance and other supplementary insurances for employees in line with their actual conditions.

• We adopt a paid leave system according to such related regulations as Regulations on Paid Leaves of Employees, and pay remuneration for overtime work.

In 2015, the ratio of average salary of male employees to that of female employees was 3.4:1

In 2015, the total amount of remuneration for overtime work was about RMB 0.19 billion

D r a ...

- We keep widening our trade union network, set up and improve the trade union organizations and work organizations at all levels; develop members of these organizations, and make trade unions more attractive and cohesive.
- We support employees to express their rational appeals and safeguard their own rights in such aspects as laboring, labor remuneration, work time, rest and vacation, work safety and health, social insurance and welfare, special protection for female employees, etc, through collective bargaining, signing collective contracts and other forms.

• We implement the Workers’ Congress system, implement regulations on disclosure of factory affairs, and ensure employees’ rights regarding participation, information and supervision. We share the corporate operation information with the employees through channels such as the disclosure board of factory affairs, employees discussion meetings, manager’s mailbox and the company’s website.

%

In 2015, our coverage rate of collective bargaining and contracts was approximately 29.1%

%

94.9% of the proposals of the Workers’ Congress were handled and settled in 2015

%

Proportion of member companies with an average salary higher than that of the local level was 53% in 2015

In 2015, our employees attended training for 1.33 million hours

A ...

- We establish a scientific remuneration system and incentive mechanism and set a competitive salary standard. We also set two career paths for employees’ promotion, leading to management positions and technical positions respectively, through which we manage to meet the development needs of different kinds of talents by allowing the talents from different fields and with different specialties to give full play to their expertise.
- We implement the mechanism of intra-group communication and on-position learning for employees, thus effectively allocating the human resources within the Group and providing a broad platform for the employees to develop their careers.

Four Elaborates

- Be elaborate in conducting oneself, handling affairs, exercising authority and making friends

B ...

- We care for the health and life of female employees, and treat them equally with male counterparts in salary, management position, professional training and vocational development opportunities. We buy maternity insurance for them, and provide antenatal examination leave, maternity leave, breastfeeding leave, and birth allowance to female employees. We are concerned about the life and mental needs of young employees. We bring young people together through the communist youth league, providing them a platform to demonstrate their talents and exchange ideas. We care for the work and life of expatriates, especially those who station abroad or in the communities of minority ethnic groups for long, hold special after-work activities and provide mental health counseling so as to relieve their pressure. We also improve the home leave system to remove their worries from behind and promote happiness. We respect disabled employees, and provide them with a convenient working environment and necessary amenities.

Golden-autumn Grant-in Aid” and “the Sunshine Employment Program”, etc. We do practical things, solve tricky problems and do good deeds for employees in difficulty, and make such actions regular, institutionalized and standardized. We stick to the custom of visiting needy groups in winter and two major festivals, mainly including childless and widowed elderly people, families of martyrs and poor retired employees.

- We encourage member companies to strengthen the construction of gymnasiums, recreation rooms, libraries and psychological counseling rooms. We also organize colorful cultural and art activities, sport competitions, visits and educational tours, and special educational activities, offering a broad stage for the staffs to show their gifts and improve their capabilities of beautifying themselves, operating their families and returning the society. Through continuously improving employees’ physical qualities, cultural literacy and life qualities, we strive to make the company a happy and comfortable home for staffs.

RMB / .09 million was spent to help and reward special groups of employees in 2015

In 2015, we organized 1/ 8,000 person-times of employees to participate in various cultural and sports events

Cultural environment

- San Kuan San Li
- San Kuan: Leniency, tolerance and ease
 - San Li: Unity, affinity and cohesion

Humility, reverence, gratitude and decency

Code of conduct

Vocational demand

Three Stricts and Three Steadies, Wu You Ba Jiang

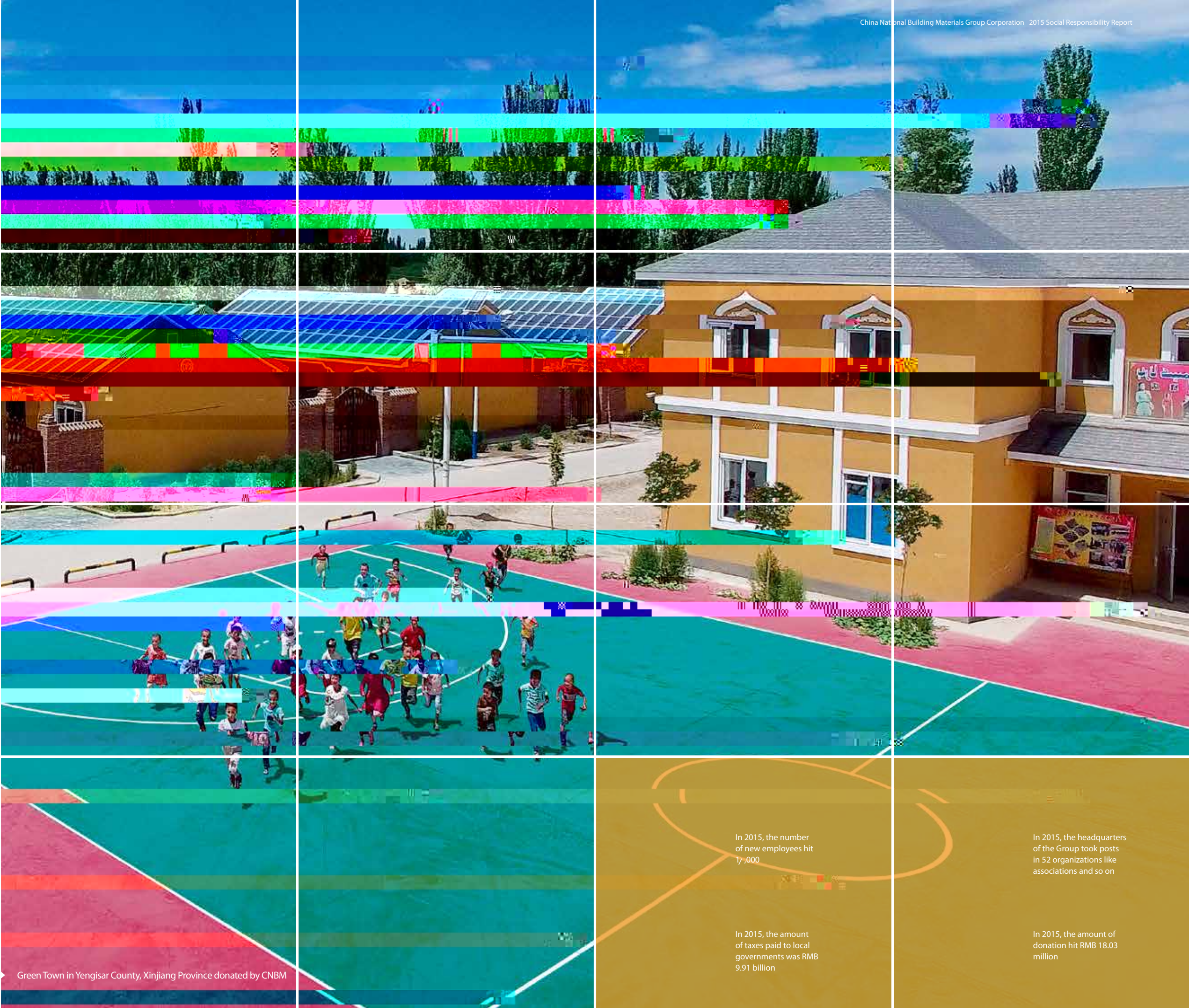
- Three Stricts: Be strict in cultivating one’s moral character, preventing abuse of power and disciplining oneself
- Three Steadies: Be steady in planning matters, starting undertakings and conducting oneself
- Wu You: having learning ability, market awareness, professional attitude, professional level and ideological level
-

Cadres Norms



Corporate Citizen

During production and operation, we seek to achieve mutual development with the region where we operate. Our accomplishment cannot be achieved without the support of the stakeholders and people from all walks of life; we reward the society through unique social welfare projects. Our employees are delighted to make contributions and dedicated to volunteer activities, exercising their responsibilities as corporate citizens with their actions.



▶ Green Town in Yengisar County, Xinjiang Province donated by CNBM

In 2015, the number of new employees hit 17,000

In 2015, the amount of taxes paid to local governments was RMB 9.91 billion

In 2015, the headquarters of the Group took posts in 52 organizations like associations and so on

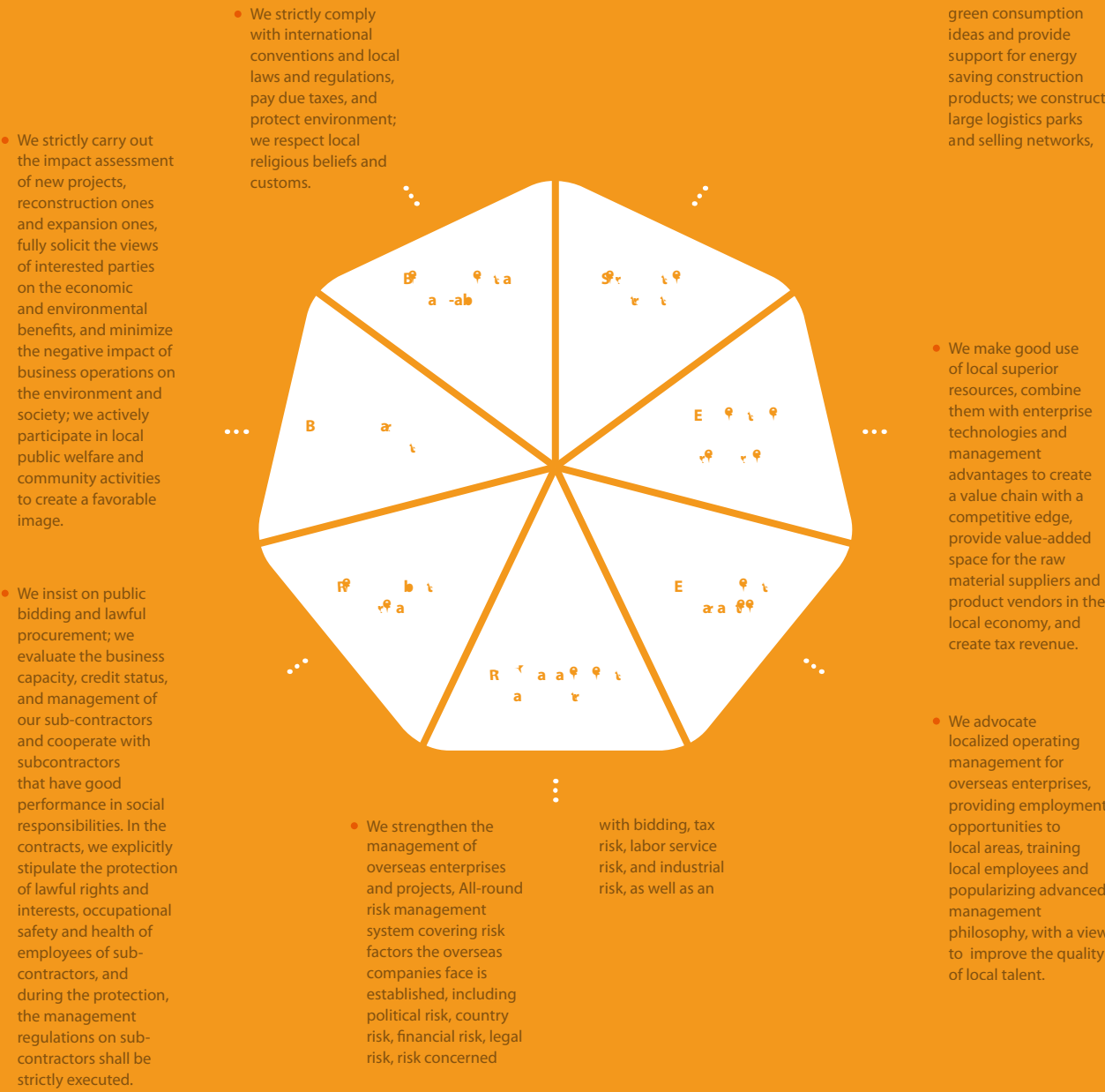
In 2015, the amount of donation hit RMB 18.03 million

All-win Harmony

We have established the overseas operation system with characteristics of CNBM and integrated the concept of responsibility and sharing into the business activities. Particularly in the practice of overseas business, CNBM has abided by local laws, respected the local culture, made good use of local resources and served for regional construction, safeguarded the rights and interests of shareholders and the safety of employees through effective risk management and control system, spread the

concept of responsibility through sunshine procurement and sharing cooperation, considered environmental protection and the quality of life in a comprehensive manner based on the regional civil interests. The responsible and sustainable business philosophy makes us highly recognized and fully accredited in local areas as we engage in "going out". When practicing "the Belt and Road Initiative" in the future, we should strengthen the cooperation in such technical

fields as the Internet, informatization and intelligentization, improve the industrial chain integrated with investment, construction, operation and follow-up services based on set of equipment and technical services and practice social responsibilities in overseas operation.



Sunshine Welfare

We firmly believe that a responsible social welfare system is the basis for promoting social justice and for central enterprises to fulfill social responsibility, and more importantly, it is an important measure to protect the interests of investors and the safety of state-owned assets. In the principle of being accountable for beneficiaries and shareholders, we carefully assess invitations for social welfare support prior to implementing any donation and cautiously

select projects to support in order to guarantee the public rights and interests by evaluating importance of projects, reliability of executing units of projects, and public benefits of projects as well as our annual business performance; we reject apportioned, duplicated, ineffective, poorly run public welfare projects as well as ones that are beyond the enterprise's capacity to ensure

in specific areas, give special attention to the development of environmental protection and education; at the same time relying on the support from Communist Youth League organizations, we continue to promote volunteer activities, and have achieved positive results.

I at P A at We always focus on poverty 0.23 0 c in poti and creates new modes to reduce

D at Sta at

- We establish emergency response mechanisms, to provide first-time disaster relief, civil defense and other public safety matters.
- We provide support for disaster affected areas, poverty-stricken areas, science, education, culture, and hygiene causes, welfare projects, and environmental protection causes in kind and capital, so as to support the development of society.
- We standardize donation management regulatory. We establish and improve the donation organization and management system, and strictly implement the annual budget and procedure for examination and approval of process; we have established a mechanism for periodically analyzing and reporting the donation project progress, evaluating effects and conducting return visits when the project ends, and reject apportioned, duplicated, ineffective, poorly run public welfare projects as well as ones that are beyond the enterprise's capacity, so as to focus on the donation's effect and guarantee the interests of investors.

In 2015, the total amount of input in environmental protection and public welfare reached RMB 6y 2,000

Total foreign donations in 2015 reached RMB 18.03 million

In 2015, the number of foreign donation projects was 332



V A t t

- We advocate a harmonious social atmosphere, and encourage our employees to provide voluntary services and participate in social welfare activities. We provide guarantee and support for voluntary activities in such aspects as organizational structure, work mechanism, scheduling, financial support, communication and liaison, etc. Under

the volunteer service system with the Communist Youth League at the core, companies at different levels establish several volunteer activity groups, carry out varied volunteer activities, which demonstrate participants' enthusiasm and spread happiness.

In 2015, the input in voluntary activities reached about RMB 1.91 million

15,000 hours of volunteer services were provided by our employees in 2015

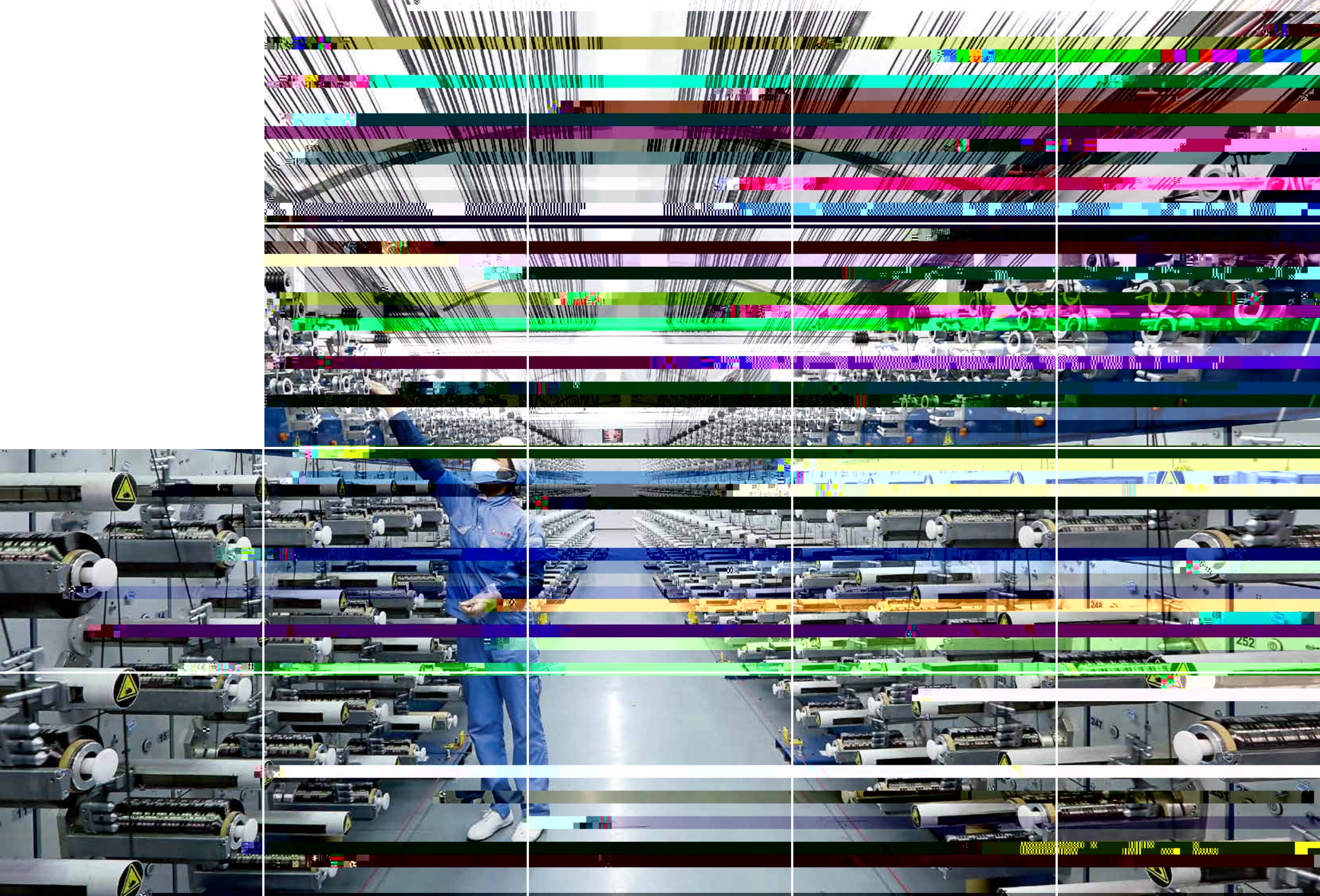
F t a t t t a t t a t t a

At 10:00 on June 9, 2015, not far away from the southeast of China United Cement Dongping Co., Ltd, a member company of CNBM, waves of smoke went straight to the sky suddenly. The situation was grim on site for over ten acres of wheat field were burned and the all-year harvest of villagers went up in smoke. Once new wheat fields were swallowed, the village across the path was bound to be in danger and if the fire continued to spread without control, the consequences would be unthinkable. China United Cement Dongping Co., Ltd started the fire emergency plan immediately. Hundreds of trained and adequately-protected fire-fighting volunteers gathered quickly and rushed to the site. Volunteers helped the panic-stricken villagers to evacuate in an orderly manner while devoting themselves to the fire fighting by drawing water to put out the fire and setting isolation belts to control the fire. At around 11:00, through nearly one-hour fighting, the fire was put out. Volunteers of China United Cement Dongping Co., Ltd investigated the scene of fire carefully in order to make sure everything's alright and prevent re-burning.

As a member of Taian City, China United Cement Dongping Co., Ltd has both the market environment of survival matter as well as the cultural environment of production and living matter.



China United Cement Dongping Co., Ltd has always adhered to the concept of "cooperation, mutual assistance and harmonious coexistence", held fast to the selfless and fearless humanistic care of difficulty from one direction, support from all direction, and regarded it as a kind of consciousness, responsibility and mission to return the society, contribute to the local and make the residents united. Three bright red banners saying "true love shows in time of danger and true heroes are righteous and courageous", "brave fire-fighting makes residents safe and assistance in danger favors weighty as a mountain" and "fires are ruthless while people are not, enterprises are all in the



Resources and Input

We integrate scientific research resources, gather scientific research talents, guarantee input in scientific researches, and build a leading company of scientific researches in the industry. We implement the innovation mode which combines independent innovation, joint innovation and integrated innovation; promote technological breakthroughs, the transformation of achievements, and information sharing; strive to build the largest comprehensive scientific research platform with the strongest power

Scientific Research Platform CNBM

- China Building Materials Academy (Beijing Headquarters)
- Hefei Cement Research & Design Institute
- Bengbu Design & Research Institute for Glass Industry
- CNBM Design & Research Institute
- Harbin FRP Institute
- National Key Laboratory for Green Building Materials
- Quartz Glass Key Laboratory of Building Materials Industry
- Cement-based Materials Science Key Laboratory of Building Materials Industry
- National Glass Deep Processing Engineering Technology Research Center
- National Resin Matrix Composites Engineering Technology Research Center
- Mobile Post-doctoral Scientific Workstation of China Building Materials Academy
- Academician Workstation of China Building Materials Academy
- Industrial (Building Materials) Products Quality Control and Technical Assessment Laboratory
- Industrial (Glass) Products Quality Control and Technical Assessment Laboratory
- Post-doctoral Scientific Workstation of China Building Materials Academy
- Post-doctoral Scientific Workstation of Jushi Group
- BNBM Substation of Zhongguancun Haidian Science Park
- Post-doctoral Scientific Workstation of Harbin FRP Institute
- International Material Technological Promotion Center
- China Glass Development Center
- China Roof and Wall Materials Development Center
- China Building Materials Academy
- Hangzhou Mechanical and Electrical Design and Research Institute of Light Industry
- Qinhuangdao Glass Industry Research and Design Institution
- Xi'an Research & Design Institute of Wall & Roof Materials
- Xianyang Research & Design Institute of Ceramics
- Hangzhou Mechanical and Electrical Design and Research Institute of Light Industry
- Horological Research Institute of Light Industry
- Light Industrial Xi'an Mechanic Design and Research Institute
- The Research Institute for Automation of Light Industry
- Suzhou Waterproof Research Institute
- National Key Laboratory for New Technologies of Float Glass
- High-performance Ceramics and Refined Processes Key Laboratory of Building Materials Industry
- National and Local United Engineering Research Center for Glass
- Academician Workstation of Bengbu Design & Research Institute for Glass Industry
- Industrial (Building and Sanitary Ceramics and Products) Products Quality Control and Technical Assessment Laboratory
- Industrial (Decorative Building Materials) Products Quality Control and Technical Assessment Laboratory
- Industrial (Building Materials for Roof, Wall and Road Surface) Products Quality Control and Technical Assessment Laboratory
- Industrial (Light Industrial Machinery) Products Quality Control and Technical Assessment Laboratory
- Industrial (Horologe) Products Quality Control and Technical Assessment Laboratory
- Post-doctoral Scientific Workstation of Zhongfu Lianzhong Composites Group Co., Ltd.
- Post-doctoral Scientific Workstation of Bengbu Design & Research Institute for Glass Industry
- Post-doctoral Scientific Workstation of Zhongfu Shenyang Carbon Fiber Co., Ltd.
- Post-doctoral Scientific Workstation of China Luoyang Float Glass Group Co., Ltd.
- Post-doctoral Scientific Workstation of Triumph Heavy Industry Co., Ltd.
- Post-doctoral Scientific Workstation of Xianyang Research & Design Institute of Ceramics
- China Building and Sanitary Ceramics Development Center
- China Light Building Materials Research and Development Center
- China Light Industry Horologe Information Center
- Horological Research Institute of Light Industry

Mechanisms and Guarantees

Patent Protection

- Focusing on such aspects as the protection of intellectual property, and the management of scientific research funds, we have combined the development of internal control system with the requirement of risk management, and formed a scientific research management

system which conforms to the national requirements of research management and building materials industry, providing with mechanism guarantee.

Talent Status

- We have gradually established the talent development mechanism to promote the development of talents, and the assessment and reward mechanism according to their performance and contribution. Inside the Group, we provide “Scientific and Technological Progress Award”, “Technical Improvement Award” and “Group Technical Center Project”

to boost researchers’ enthusiasm for innovation. We have established the Youth Science Foundation, and organized youth scientific research competitions to promote fast grow of young backbones of scientific research and inject vigor into the scientific research teams of the Group.

Cooperation and Innovation

- We attach great importance to cooperation with famous universities and professional institutions in jointly tackling key problems, technical cooperation, academic exchanges, talent cultivation, incubation and transformation of achievements, etc., establishing an innovation alliance with various levels. We explore the establishment of an open scientific research system. Aiming at research hotspots and frontier challenge which cannot be

resources to tackle difficult problems through such ways as collaborative innovation, joint innovation, and competing innovation, etc. We prompt the close combination of production, learning and research, establish a new production-study-research relationship on the basis of mutual benefits and cooperation of the enterprises, and build up a technical innovation cooperation system outside of the Group.

In 2015, we held 5,663 patents in total

In 2015, we gained 123 scientific and technological awards at provincial or ministerial level

In 2015, we undertook 18 national scientific research subjects

Sharing and Services

Platform Service

- We undertake secretariat work of standardization organizations, industrial organizations, professional societies and scientific agencies, and lead technology innovation and industry revolution of the professional sector. We develop extensive science services. Industry websites and professional publications are run to timely publish frontier information

and share technological results and commercial messages. By building resource repositories (technical innovation institutional repository, technological result database, etc.) and information inquiry platforms, we offer multiple channels of information exchange and technical communication to building materials enterprises.

Open Service

- We actively build service platform system of industry open style, have formed a comprehensive technical service platform system of building materials industry integrating industry-wide inspection and certification resources, industrial products quality control and technical evaluation laboratories and national public service demonstration platform for SMEs.

The system provides for SMEs services including inspection and detection, management system certification, standardization, technical product development, intellectual property and brand building, promotes advanced practical technologies and provides entrepreneur services.

Science & Education

- To give a play to our role as a demonstrating base for international scientific and technical cooperation, we hold overseas and domestic academic meetings, run forums, develop activities of exchange and visits to offer platforms of communication and promotion to specialists and scholars, serve innovation and common progress, accelerate technological upgrading and reform in the industry and related fields, and

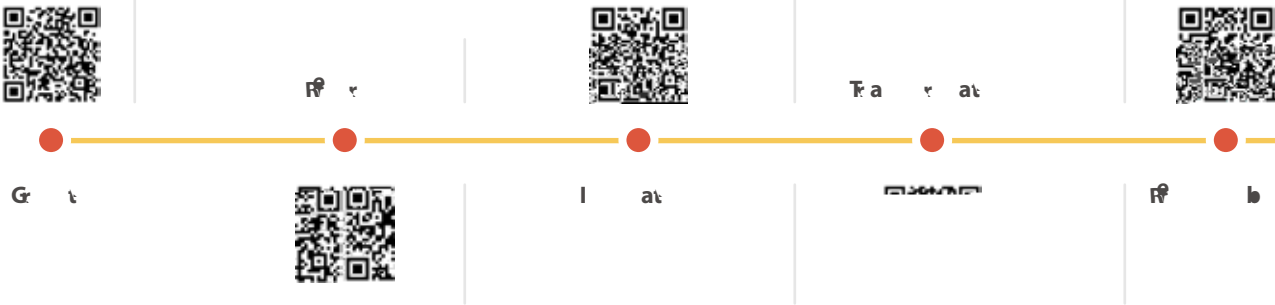
motivate technological innovations to faster and more effectively serve sustainable development of the society.

50+ academic exchange activities were held and organized in 2015

Development during the 12th Five-Year Plan

During the 12th Five-Year Plan, to achieve the strategic objective of “to be stronger and better, to be globally top-ranking”, CNBM actively transformed the business mode, adjusted the structure, deepened the market-oriented reform, pressed forward with the structural adjustment, combination & restructuring, energy saving and emission reduction in the cement and glass segments, and made great efforts to develop new building materials, new houses and new energy materials. By this, remarkable achievements have been made to lay a firm foundation for the development during the 13th Five-Year Plan.

- In the period, the board of directors played the important role of strategic guidance for rapid and healthy development of CNBM, through strategy developing and regular governance. All the directors worked scrupulously, and racked their brains to give suggestions on operation and development of the group.
- In the period, CNBM made many noteworthy achievements in technological innovation, and built up a world-class technical innovation system. On the basis, breakthroughs were continuously made in key technology, significant achievement and product application, meanwhile the numbers of major topics, rewards for technological progress, patents and standards increased a lot. Thanks to this, CNBM now firmly occupies the commanding heights of multiple fields.
- In the period, we kept improving our influence, driving force, brand awareness and international reputation, and our development concept and growth history attracted extensive attention. CNBM is honored as a flag that guides the industry to healthily develop, a paving stone for enterprise reform and a corporate citizen active in responsibility fulfillment.



For more information about the practice of responsibility fulfillment during the 12th Five-Year Plan, please scan the 2D barcode.

- In the period, we accumulated rich experience in capital operation, combination & restructuring, management integration, reform towards diversified ownership, internationalized development and cultural development, and formed a complete, unique, effective operation management mode that features integration & optimization, marketization of centrally-administered SOE, meshed control, the “8 techniques”, the “six-star enterprise” and the “income-increasing, cost-saving, consumption-reducing” methods.
- In the period, we actively and steadily carried out the Go Out policy to boost the implementation of the Belt and Road Initiative. In the process, our service of international engineering project (glass, cement, new building materials, new energy materials, etc.) covers the markets of Europe, Southeast Asia, Middle East,
- In the period, starting from publishing the first social responsibility report, we built a social responsibility organization system. Besides, we conducted the management of interested parties, regularly published social responsibility reports, built the 5 responsibility framework systems, persistently improved the capability and effects of responsibility fulfillment through continuous practice, conducted responsibility research, and joined responsibility advocating organizations and action plans to promote responsibility communication and sharing. On the basis, CNBM developed into a practitioner, driver and guider of social responsibility.

DF 9 9 t H t r CNBM



- Solved the debt crisis and the problems left over by history, pushed strategic transformation.
- Renamed “China National Building Materials Group Corporation” in 2003, marched into the mainstream segments (cement, glass, etc.) from the minority segment (decorative building material).

Sr a f a t 9 t

H a t r t

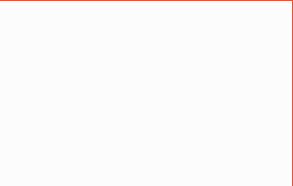
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Founded a range of new building material enterprises (gypsum board, rock wool, plastic floor, wallpaper, sanitary fittings, etc.) to make contributions to the development of the China's building material and construction industries.



Designated as a pilot enterprise of wholly state-owned company's board of directors, entered the stage of regular governance and stable development.

Went public in Hong Kong upon the dual driving of capital operation and combination & restructuring, built a capital operation platform.

Restructured thousands of enterprises, became a leader in the fields of cement, glass, gypsum board, wind turbine blade, new material and complete equipment.

Built a CBMA-centered innovation platform to accelerate industrialization of technological achievements.

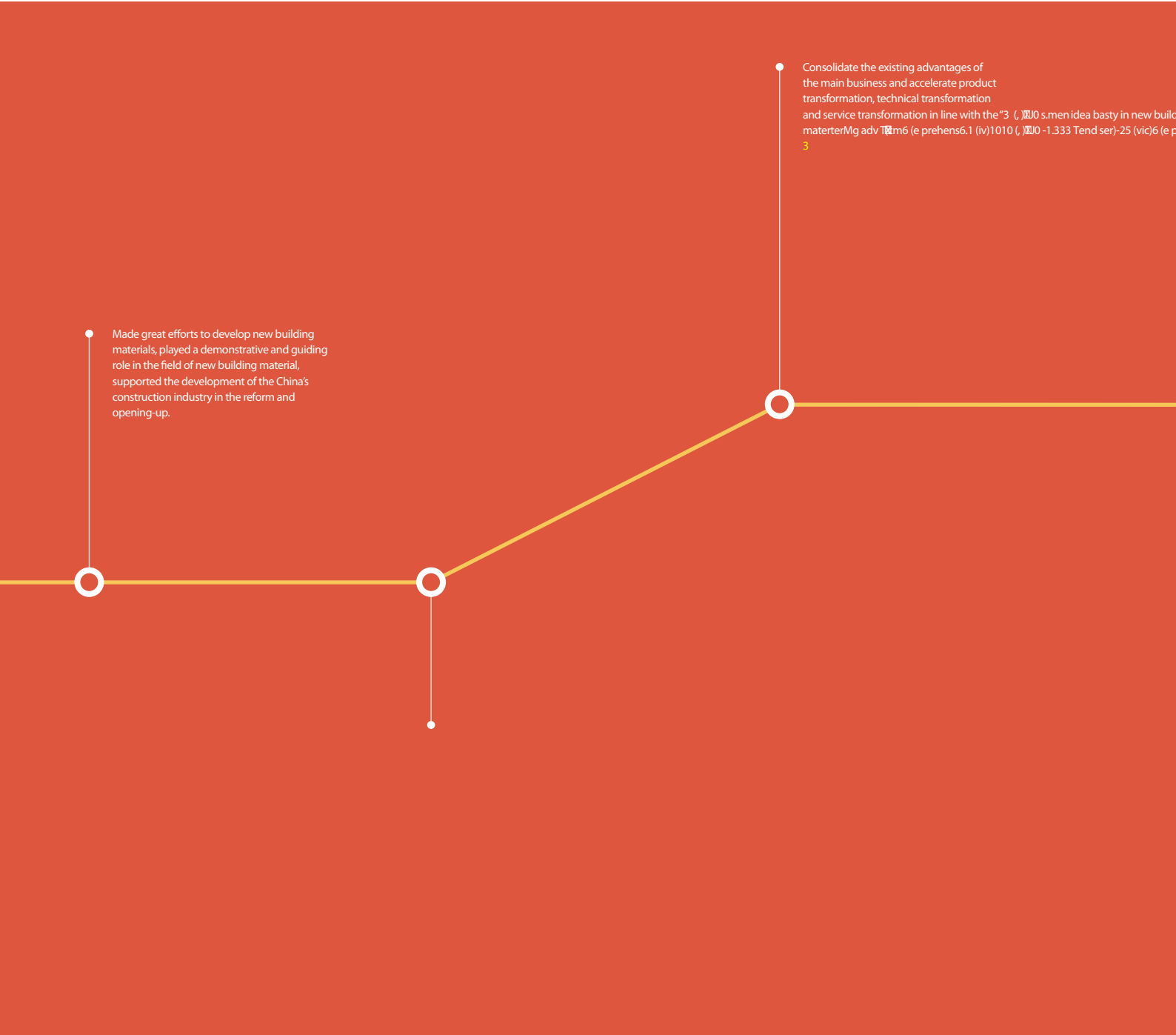
Proposed the strategic concept of “press forward with the structural adjustment, combination & restructuring, energy saving and emission reduction in the cement and glass segments, make great efforts to develop new building materials, new houses and new energy materials”, accelerated the structural adjustment, transformation and upgrade.

Stuck to the market-oriented reform, proposed the reform guideline of “marketization of centrally-administered SOE”.



Outlook for the 13th Five-Year Plan

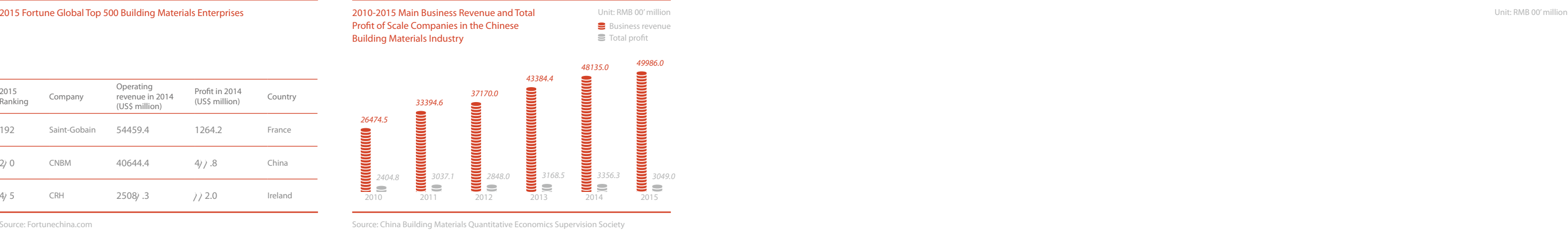
In process...the rapid growth in...the recent ten-odd years, CNBM has kept its composure under...the guidance...correct strategic objectives by persistently observing...the development rules...the industry and...the growth logics...enterprise. During...the 13th Five-Year Plan, we will...continue practicing...the 5 development concepts (innovation, coordination, green, opening-up, sharing), and...lay emphasis...improving...the development quality and...benefits and...promoting...the structural reform to firmly transform the business...mode and...adjust...the structure with a view to...the strategic objectives...“to be stronger and better”, thus realize...the “3345” transformation and upgrade in...the next 5 years. In addition, we will...make efforts to write a new chapter...sustainable development by adhering...to...the “3 strategies”, working...in line with...the “3 curves” idea, promoting...the “4 transformations” and...realizing...the “5 visions”.



4 Transformations

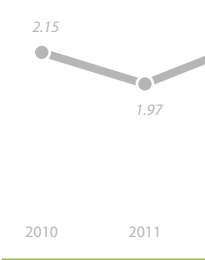
Responsibility Performance

Material Performance

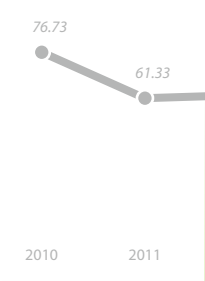


Energy Saving

2010-2015 Comprehensive
Consumption per RMB 10,
Output Value



2010-2015 Comprehensive
Consumption of Cement





Patents

2010-2015 Technology Awards at Provincial and Ministerial Levels

Unit: Number of Awards

	2010	2011	2012	2013	2014	2015
Scientific and technological awards at Provincial and Ministerial level or above	63	132	152	145	117	123
Of which: National level scientific and technological awards	0	2	0	1	1	0
Technical innovation awards	17	46	89	54	48	48

2010-2015 Application and Grant of Patents

Unit: Number of Awards

	2010	2011	2012	2013	2014	2015
New applied patent	514	630	766	1262	1571	1568
Of which: invention patents	173	170	228	373	531	566
Newly granted patents	420	487	729	848	1318	1492
Of which: granted invention patents	54	80	143	128	166	193

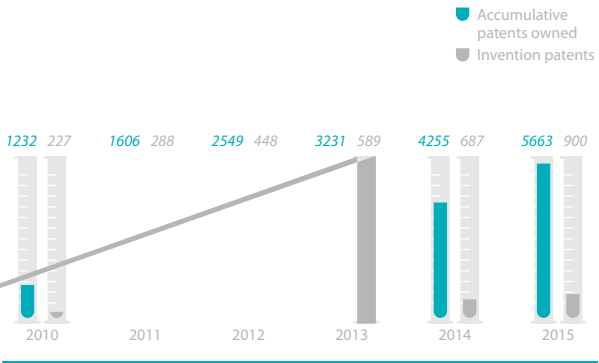
2010-2015 The Standards of Presiding or Participating in Preparation or Amendment

Unit: Number of Awards

	2010	2011	2012	2013	2014	2015
Number of Standards	79	28	22	59	104	62
Of which: International	0	1	1	1	3	2
National	30	15	5	8	35	36
Industrial	49	12	16	50	66	24

2010-2015 Accumulative Patents Owned

Unit: Number of Awards



Indicator Index (CASS-FASTB.10) Preface of Report0(P series)

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Rating Report

Feedback



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