



Sinoma 中材建设有限公司
CBMI Construction Co., Ltd.



2018

中材建设有限公司 社会责任报告

CBMI SOCIAL RESPONSIBILITY REPORT





中国建材

Sinoma 中材建设有限公司
CBMI Construction Co., Ltd.

“ 目录

◆ 报告说明

◆ 执行董事致辞

◆ 企业简介

企业概况
业务领域
治理结构
项目分布图
利益相关方信息
参加国内外主要的社会团体
2018年度所获荣誉

◆ 理念战略

企业战略及理念
社会责任理念与推进

◆ 管理运营

加强业务建设 确保优质服务
创新营销模式 培育市场生态
创新引领发展 增强发展动力
强化安全管理 护航生产经营
倡导节能环保 共建绿色生态
关爱员工利益 共创和谐企业
加强社区交流 共建社会关系

◆ 探索发展

全面推进属地化经营，开篇布局初具规模
全面推进数字化建设，实现工程全生命周期一体化

◆ 责任绩效

2018年度关键责任绩效

◆ 未来展望

经营发展
管理提升
企业社会责任建设

◆ 报告评价

◆ 意见反馈表

◆ Description of report

◆ Speech from executive director

◆ About the Company

Company profile
Business fields
Governance structure
Project distribution diagram
Stakeholders involved
Membership involved
Honors in 2018

◆ Concept strategy

Corporate Strategy&Philosophy
Social responsibility concept and promotion

◆ Management operation

Strengthen business construction and ensure high-quality service
Innovate marketing model and cultivate market ecology
Lead development through innovation and strengthen development power
Strengthen safety management and provide protection for production and operation
Advocate energy saving, environmental friendliness and build a green ecology jointly
Care employees' interests and create a harmonious enterprise jointly
Strengthen community communication and build a social relation jointly

◆ Explore development

Promote localized operation comprehensively, with an initial scale in opening and layout
Promote digitalization construction comprehensively and realize integration of total project lifecycle

◆ Responsibility performance

Key responsibility performance in 2018

◆ Future outlook

Operation and development
Management improvement
Construction of corporate social responsibility

◆ Report evaluation

◆ Opinion feedback form



Contents

中材建设有限公司2018年社会责任报告

Social Responsibility Report of CBMI Construction Co., Ltd. in 2018

报告说明

Description of report

本报告是中材建设有限公司(简称“中材建设”)在2018年度履行社会责任方面持续改进的真实记录。通过这份报告,本企业员工、服务客户、合作伙伴、分包商、股东和出资人、国家各主管部门、社团及所有关注中材建设发展的相关人士,都可以了解中材建设的社会责任理念与实践,了解中材建设为实现经济、社会可持续发展所做出的不懈努力。

本报告采用《联合国全球契约年度进展报告实践指南——编写、分享和公布COP》推荐的内容和形式提纲编写。报告有中英文对照版,报告审核以中文为准。

本报告时间范围为2018年1月至12月。报告每年发布一次,组织范围为中材建设有限公司所属职能部门、分子公司及项目经理部。

为了在更大范围内宣传履行社会责任的知识、理念,确保履行社会责任年度报告编制素材来源的广泛性、专业性以及质量,中材建设成立了履行社会责任年度报告编写领导小组和编写机构,认真学习了《联合国全球契约年度进展报告实践指南》等指导文件。全球契约中国网络的专家对部分参与报告编写人员进行了具体培训和指导。

本报告中所涉及财务数据符合国家颁布的《企业会计准则》和《企业会计制度》的规定。

为保证整个报告的真实性和可靠性,中材建设邀请全球契约中国网络执行秘书长韩斌先生进行了第三方评价并提出完善建议。

欲在线阅读《中材建设2018年度社会责任报告》电子版,请访问中材建设网站<http://www.cbmi.com.cn>。

《中材建设2018年度社会责任报告》已经提交联合国“全球契约”办公室指定的网站<http://www.unglobalcompact.org>。

This report reflects the true record of continuous improvement made by CBMI Construction Co., Ltd. (hereinafter referred to as "CBMI") in performing social responsibility in 2018. Through this report, employees, customers, partners, subcontractors, shareholders and contributors of the enterprise, various competent authorities of the state, social organizations and all relevant persons concerning the development of CBMI can understand the concept and practice of social responsibility of CBMI, and understand the unremitting efforts made by CBMI to realize the sustainable development of economy and society.

This report is prepared with the contents and form outline recommended in Practical Guideline for Annual Progress Report of United Nations Global Compact-Preparation, Sharing and Publishing COP. This report is written in Chinese and English, and the Chinese version shall prevail in review of the report.

The period of this report is from January to December 2018. This report is issued once every year with the organization of functional departments, branches, subsidiaries and Project Management Department of CBMI Construction Co., Ltd.

In order to publicize the knowledge and concept for performance of social responsibility, ensure the universality, specialty and quality of materials used for preparation of annual report of performing social responsibility, CBMI establishes a leading group of preparing annual report of performing social responsibility and preparation organization, and study Practical Guideline for Annual Progress Report of United Nations Global Compact and other guiding documents earnestly. The experts of Chinese network of Global Compact provide specific training and guidance for some personnel participate in the preparation of the report.

The financial data involved in this report conform to the provisions of Accounting Standard for Business Enterprises and Accounting System for Business Enterprise issued by the state.

In order to ensure that the whole report is authentic and reliable, CBMI invites Mr. Han Bin, executive secretary of Chinese network of Global Compact for the third party evaluation and to provide suggestions for improvement.

To read the electronic edition of Social Responsibility Report of CBMI in 2018 online, please visit the website of CBMI <http://www.cbmi.com.cn>.

The Social Responsibility Report of CBMI in 2018 has been submitted to the designated website of United Nations "Global Compact" Office: <http://www.unglobalcompact.org>.



执行董事致辞

Speech from executive director



中材建设有限公司 执行董事、总经理 童来苟

Tong Laigou, Executive Director and General Manager of CBMI Construction Co., Ltd.

◆中材建设将全球契约十项原则视为企业战略和业务中不可或缺的一部分，并在整个企业中承诺，将传达到各级管理人员和全体员工中，以确保这些原则得到广泛履行。

◆CBMI considers the ten principles of Global Compact as an inseparable part in the enterprise strategy and business, and undertakes in the whole enterprise that it will convey these principles to managers of various levels and all employees, so as to ensure that these principles are performed widely.

◆中材建设积极践行联合国“全球契约”在人权、劳工、环境及反腐败领域所推崇的十项原则，关注对利益相关方的影响，履行相应的社会责任，不断推动企业、经济、环境和社会的可持续发展。

◆中材建设公开承诺，遵循“全球契约”持续改进理念，继续改善在人权方面非歧视用工、杜绝童工、不强制劳动和保护本地劳工权利等状况；保护全体作业工人职业健康和人身安全，保障他们的劳动所得，关心他们的职业发展；推广和使用新技术，节约能源，减少排放，保护工作和生活周边环境；努力建设公平公正文化，推进反腐败工作的进程。

◆如今，中国经济步入新常态，市场竞争格局深刻变化，在挑战与机遇并存的时期，中材建设全面贯彻落实国家“走出去”发展战略和“一带一路”倡议，不断加强社会责任管理，保障员工健康、施工安全，改善环境治理，大力建设环境友好型企业与劳动关系和谐企业，积极投身公益事业，持续推进负责任、可持续的海外运营，与各利益相关方携手合作，共同实现经济效益、社会责任和环境保护三者的平衡发展。

◆CBMI actively practices the ten principles advocated by United Nations "Global Compact" in the fields of human right, labor, environment and anti-corruption, concerns influences on the stakeholders, performs the corresponding social responsibility and promotes the sustainable development of enterprise, economy, environment and society continuously.

◆CBMI undertakes publicly that it will comply with the continuous improvement concept of "Global Compact", continue to improve the conditions like non-discrimination employment, child labor eliminating, non-forced labor and local labor right protecting.; protect the occupational health and personal safety of all workers, guarantee their labor income, care their career development; promote and use new technology, save energy, reduce emission, protect the surrounding environment of work and life; make efforts to construct an equal and fair culture and promote the progress of anti-corruption work.

◆Today, with the economy of China entering a new normal, profound changes have been made in the market competition pattern, and in the period when challenges and opportunities coexist, CBMI comprehensively carries out and implements the national development strategy of "Go Globally" and "the Belt and Road" Initiative, continuously strengthens management of social responsibility, guarantees employees' health, construction safety, improves environmental governance, makes great efforts to construct an environment-friendly enterprise and enterprise of harmonious labor relation, actively devotes to public welfare cause, continuously promotes responsible and sustainable overseas operation, works together with various stakeholders and jointly realizes the balanced development of economic benefit, social responsibility and environmental protection.



企业简介

About the Company

中材建设办公大楼 中材大厦

CBMI Building, office building of CBMI



企业概况

Company profile

- ◆中材建设隶属于中国建材集团旗下的中国中材国际工程股份有限公司，已有近60年的历史，注册于中国河北省唐山市，是国家高新技术企业，公司总部设在北京经济技术开发区。
- ◆中材建设具有对外经营权、进出口权及国家工程总承包一级资质，是中国建材行业率先实施“走出去”战略的知名企业，在国际水泥工程建设领域具有良好的品牌和市场影响力，承建了国内第一个EPC水泥总承包项目、第一个由中国企业建设的国外EPC水泥厂总承包项目，是第一家在欧洲发达国家承建水泥工厂、第一家把中国大型水泥成套设备出口到欧洲的企业。
- ◆中材建设已通过ISO9001质量管理体系认证、ISO14001环境管理体系认证和OHSAS18001职业健康安全管理体系认证。企业信用度连续保持AAA级。

- ◆ Affiliated to Sinoma International Engineering Co., Ltd. under China National Building Material Group, CBMI is registered in Tangshan city, Hebei province, with a history of nearly 60 years, and it is a national high-tech enterprise, headquartered in Beijing Economic and Technological Development Zone.
- ◆ With the foreign operation right, the import and export right and the first-class qualification of general contracting of national projects, CBMI is a famous enterprise that takes the lead to implement the "Go Globally" strategy in the building material industry of China, and has a good brand and market influence in the international cement project construction field; it has undertaken the first EPC cement general contracting project in China, the first foreign EPC cement plant general contracting project constructed by Chinese enterprise, and it is the first enterprise to undertake cement plants in European developed countries and the first enterprise to export the large cement complete equipment to Europe.
- ◆ CBMI has passed ISO9001 quality management system certification, ISO14001 environmental management system certification and OHSAS18001 occupational health and safety management system certification, with enterprise credit standing maintained at Class AAA continuously.

业务领域

Business fields

主营业务

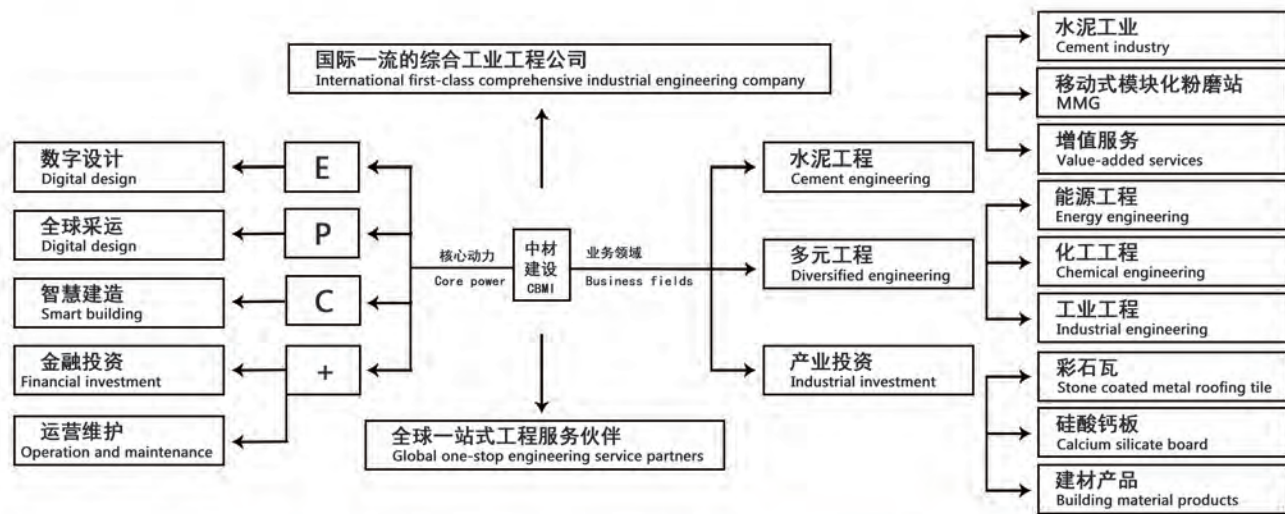
Main businesses

中材建设主营业务为水泥工程项目总承包，具有完整的EPC总承包服务链，可针对不同客户需求及环境特点，在各种规模水泥生产线的工程咨询、设计研发、设备制造和成套、土建安装、生产调试、备品备件、售后服务和生产管理等方面，为客户提供“EPC+”个性化“总承包”集成服务。

近年来，中材建设积极探索和推进国际化、多元化、产业化发展战略，在建筑、冶金、电力、市政、环保和主营业务延伸等方面进行了有益的尝试，开发和推广了节能、环保、低排放的水泥生产项目的改造技术，以及利用余热发电、脱硫脱硝技术等。

With general contracting of cement project as its main business, CBMI has a complete EPC general contracting service chain, and can provide "EPC +" individualized "general contracting" integration service in the project consulting, design R&D, equipment manufacturing and assembly, civil installation, production and debugging, spare parts, after-sales service and production management etc. of various scales of cement production lines according to the different customer demands and environmental characteristics.

In recent years, CBMI has actively explored and promoted the internationalized, diversified and industrialized development strategies, has made beneficial attempts in building, metallurgy, electric power, municipal engineering, environmental protection and extension of main businesses etc., developed and promoted the reconstruction technology of energy-saving, environment-friendly and low-emission cement production projects and utilized cogeneration, desulfuration and



经营规模

Operation scale

目前中材建设业务主要集中在海外，遍布欧亚非美，客户资源主要集中在拉法基豪瑞、海德堡、西迈克斯等高端市场，具有良好的品牌和信誉。

在中国水泥工业建设史上，中材建设承建了全球最大的包括多条万吨线水泥厂项目和国内首条全套引进技术生产线、首条自行开发干法旋窑生产线、首条中外合资生产线、首个国际总承包模式“交钥匙”项目，并首次向欧洲国家出口水泥生产线成套设备等，创造了多项第一。

中材建设先后承建了中国国内水泥行业大多数的水泥生产线重点项目，其中包括绝大多数外商投资项目和规模超过日产水泥熟料4000吨以上的水泥生产线项目，累计在全球建设水泥生产线近160条。

中材建设千余人的职工队伍可在全球十几个国家同时展开超100亿元人民币投资额、20多个项目的建设工

At present, the businesses of CBMI are mainly concentrated in the overseas areas and across Europe, Asia, Africa and America, and its customer are mainly concentrated in high-end markets such as LafargeHolcim, Heidelberg and CEMEX with a good brand and reputation.

In the construction history of cement industry of China, CBMI has undertaken the global largest cement factory project with multiple 10,000t production lines and the first complete set of introduced technology production line in China, the first independently developed dry-process rotary kiln production line, the first Sino-foreign joint venture production line, the first "turnkey" project of international general contracting mode, and has exported complete set of equipment of cement production line to European countries, and has created the first in many projects.

CBMI has successively undertaken most of the key projects of cement production line in cement industry of China, including majority of foreign-invested projects and cement production line projects with scale of daily output of cement clinker above 4000t, and has constructed nearly 160 cement production lines accumulatively around the world.

With more than 1000 employees, CBMI can construct more than 20 projects with an investment amount more than RMB 10 billion in dozen countries around the world simultaneously.

业务流程

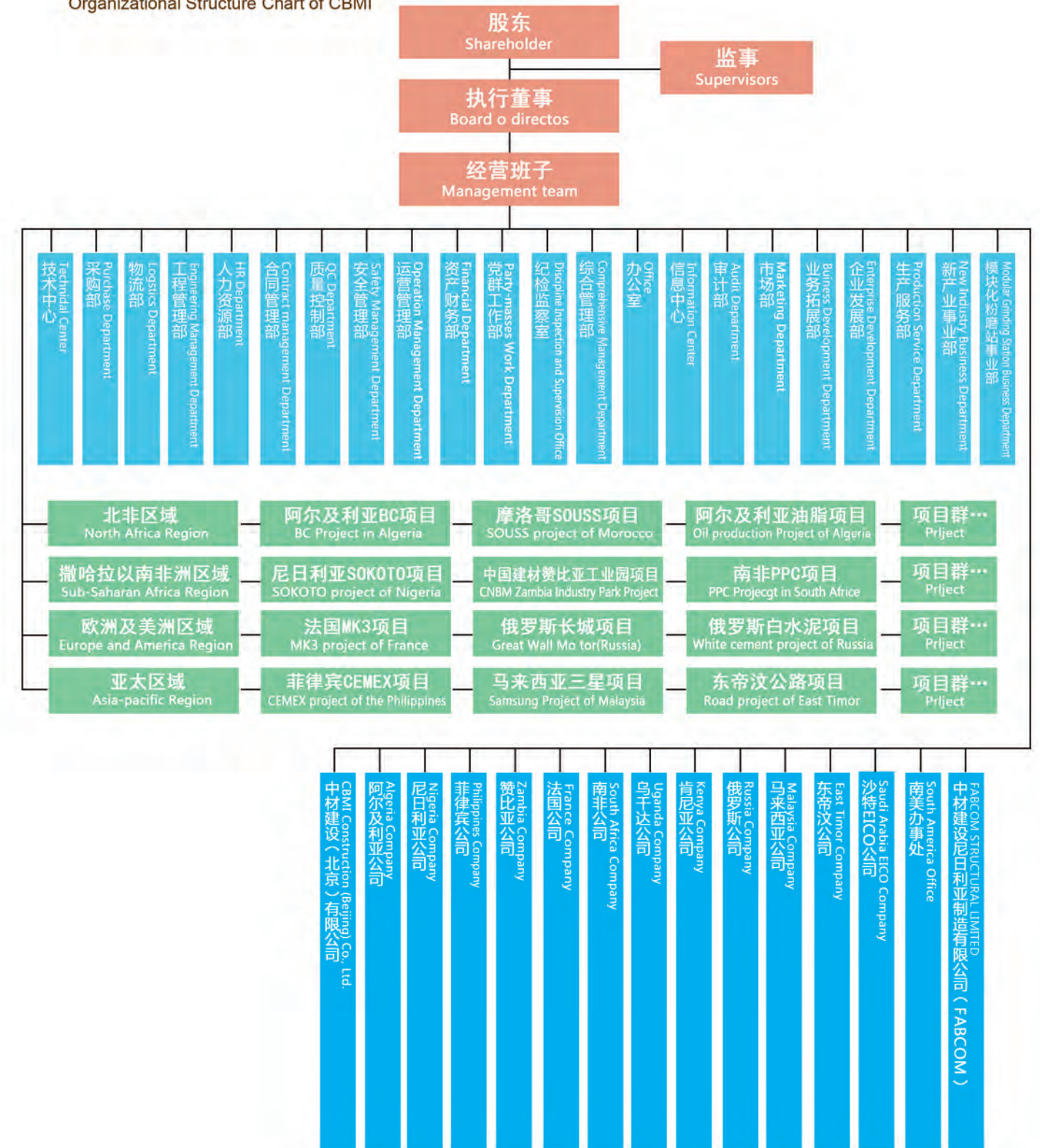
Business Process





中材建设组织机构图

Organizational Structure Chart of CBMI



治理结构

Governance structure

中材建设是按照《中华人民共和国公司法》组建的有限责任公司，依照《中材建设有限公司章程》设立执行董事、监事和经营班子。公司下设企业战略发展委员会、安全生产委员会、招标管理委员会、技术委员会、风险管理与内部控制领导小组、全面预算管理领导小组、保密等专业委员会，管控企业经营风险，监督企业廉政经营。

公司每年定期或不定期召开总经理办公会，并按照《中材建设有限公司章程》和《总经理工作细则》开展工作，对企业的生产、经营、管理等工作进行决策。

CBMI is a limited liability company established according to Company Law of the People's Republic of China, and establishes executive directors, supervisors and operation team according to Articles of Association for CBMI Construction Co., Ltd. The Company has professional committees under it, such as Enterprise Strategic Development Committee, Safety Production Committee, Bidding Management Committee, Technical Committee, Risk Management and Internal Control Leading Group, Overall Budget Management Leading Group and Confidentiality Committee to manage and control the enterprise operation risks and supervise integrity operation of the enterprise.

The Company holds a General Manager office meeting regularly or irregularly on an annual basis and carries out work according to Articles of Association for CBMI Construction Co., Ltd. and Work Regulations of General Manager to make decisions on production, operation and management of the enterprise.

- 多米尼加项目
- 厄瓜多尔 GU3 项目
- 法国波尔多项目
• 法国 MK3 项目
- 匈牙利项目
- 西班牙马拉加项目
- 摩洛哥 FES 项目
• 摩洛哥 SETTA 项目
• 摩洛哥 SSS13&14 项目
- 赞比亚项目
- 南非 PPC 项目
- 坦桑尼亚
TPCC CM / TCCL-TK2 MBEY 项目
- 尼日利亚 矿山运营 EDO
SOKOTO / Unicef 项目
• 尼日利亚 EWE01 项目
• 尼日利亚 Sokoto 生产运营
- 肯尼亚项目
- 沙特 SPCC / RCC / SCC /
CCC / UCIC / UACC 项目
- 阿塞拜疆项目
- 保加利亚 Devnya 项目
- 俄罗斯长城汽车项目
• 俄罗斯 FER 项目
• 俄罗斯哈弗汽车外网工程
- 马来西亚 RAPID 项目
- 东帝汶教堂项目
• 东帝汶公路项目
- 阿尔及利亚 Djelfa 项目
• 阿尔及利亚油脂制取项目
- 塔牌蕉岭项目（二期）



业务分布图

Business distribution diagram

中材建设承接实施的建设项目主要分布在欧洲、中东、非洲、南美洲、东南亚等地区的西班牙、法国、意大利、俄罗斯、匈牙利、阿尔巴尼亚、乌克兰、摩尔多瓦、塞浦路斯、阿塞拜疆、保加利亚、叙利亚、沙特阿拉伯、突尼斯、摩洛哥、毛里塔尼亚、赞比亚、南非、尼日利亚、乌干达、贝宁、阿尔及利亚、加纳、几内亚、多米尼加、厄瓜多尔、马来西亚、布基纳法索、印度尼西亚、肯尼亚、喀麦隆、东帝汶、菲律宾、印度等国家和地区。

The construction projects undertaken and implemented by CBMI are mainly distributed in Europe, Middle East, Africa, South America, Southeastern Asia, such as Spain, France, Italy, Russia, Hungary, Albania, Ukraine, Moldova, Cyprus, Azerbaijan, Bulgaria, Syria, Saudi Arabia, Tunis, Morocco, Mauritania, Zambia, South Africa, Nigeria, Uganda, Benin, Algeria, Ghana, Guinea, Dominica, Ecuador, Malaysia, Burkina Faso, Indonesia, Kenya, Cameroon, East Timor, the Philippines, India and other countries and regions.



Sinoma 中材建设有限公司
CBMI Construction Co., Ltd.

2018年新启动项目：（7个）

阿尔及利亚DJELFA项目、摩洛哥SSS项目、尼日利亚EWE项目、塔牌蕉岭项目（二期）、阿尔及利亚油脂制取项目、俄罗斯长城汽车项目、尼日利亚SOKOTO项目生产运营。

Newly launched projects in 2018 (7):
DJELFA project of Algeria, SSS project of Morocco, EWE project of Nigeria, Tapai Jiaoling Project (Phase II), grease production project of Algeria, Great Wall Automobile project of Russia and SOKOTO Production and operation project of Nigeria.

利益相关方信息

Stakeholders Involved

利益相关方概括列表

Overview of Stakeholders

| 利益相关方 Stakeholders | 利益关系 Relationship | 沟通方式 Means of Communication |
|-----------------------|--|-----------------------------------|
| 股东 Shareholder | 中国中材国际工程股份有限公司 Sinoma International Engineering Co., Ltd. | 全资子公司 Wholly owned subsidiary |
| 客户 Clients | | 客户服务 Client service |
| 职工一 Staff I | 在册职工 Registered Staff | |
| 职工二 Staff II | 国内雇佣劳工 Domestic Employees | 劳资关系 Labor relations |
| 职工三 Staff III | 国外项目所在地雇佣劳工 Foreign project-based employees | 合同、工会 Contract and trade union |
| 供应商一 Supplier I | 技术设计分包 Technical design subcontract | |
| 供应商二 Supplier II | 采购物流分包 Purchase and logistics subcontract | 业务分包 Business subcontract |
| 供应商三 Supplier III | 国外项目所在地雇佣劳工 Foreign project-based employees | 业务往来 Business contact |
| 供应商四 Supplier IV | 技术设计分包 Technical design subcontract | |

| 利益相关方 Stakeholders | 利益关系 Relationship | 沟通方式 Means of Communication |
|---|---|--|
| 公司、项目所在地政府 Local government | 政策法律相关 Relevant policies and laws | |
| 唐山市丰润区国家税务局 Tangshan Fengrun District Office, State Administration of Taxation | 税收征管 Tax collection and management | |
| 唐山市丰润区地方税务局 Tangshan Fengrun District Local Taxation Bureau | 税收征管 Tax collection and management | |
| 社区一 Community I | 交通银行、中国银行等商业银行 Bank of Communications, Bank of China and other commercial banks | 资金存取、信贷、 保函业务等 Access, credit, and guarantee, etc. |
| 丰润区住房公积金管理中心 Fengrun District Housing Accumulation Fund Management Center | 职工住房公积金管理 Management of employees' housing accumulation fund | 会议及约访 Conference and visits |
| 会计师事务所 Accounting firm | 年度财务报告审计等 Auditing of annual financial statement | |
| 国家外汇管理局唐山市中心支局 Tangshan Central Branch of the State Administration of Foreign Exchange | 外汇管理 Foreign exchange management | |
| 唐山市国家税务局进出口税务分局 Import and Export Taxation Branch of Tangshan City Office, State Administration of Taxation | 出口退税 Export rebates | |
| 社区二 Community II | 公司、项目所在地居民 Local residents | 经济、就业、环境相关 Economy, employment and environment |
| 社区三 Community III | 公司、项目所在地社团组织 Local social organizations | 工会、信息等专题相关 Trade union, information and other special topics |
| 总部、分公司和项目所在地新闻媒体 News media covering the headquarters, branches and projects of the company | 信息、广告 Information and advertisement | 采访 Interview |

参加国内外主要的社会团体

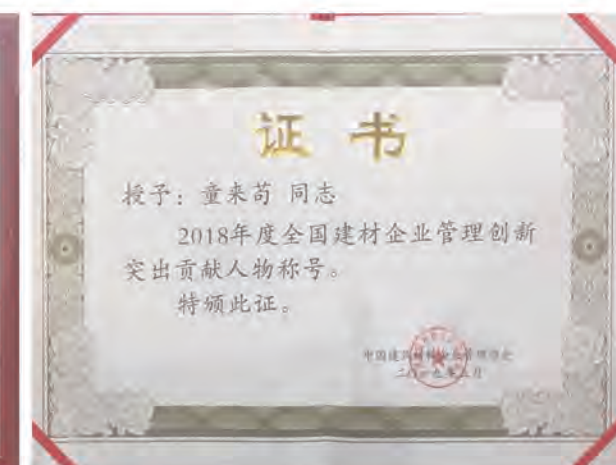
Membership Involved

| 序号 No. | 名称 Name | 公司角色 Position of CBMI |
|-----------|---|------------------------------|
| 1 | 联合国“全球契约”组织 United Nations Global Compact | 成员 Member |
| 2 | 中国建筑材料联合会 China Building Materials Federation | 会员 Member |
| 3 | 中国企业联合会 China Enterprise Directors Association | 会员 Member |
| 4 | 中国建筑业协会 China Construction Industry Association | 会员 Member |
| 5 | 中国施工企业管理协会 China Association of Construction Enterprise Management | 理事单位 Council Members |
| 6 | 中国对外承包工程商会 China International Contractors Association | 理事单位 Council Members |
| 7 | 中国建材工程建设协会 China National Building Materials Construction Association | 副会长单位 Vice Chairman |
| 8 | 中国水泥协会 China Cement Association | 常务理事单位 Executive Director |
| 9 | 中国会计学会建材分会 Building Materials Branch under Accounting Society of China | 成员 Member |

2018年度所获荣誉

Honors in 2018

| 序号 No. | 授予单位 Granting Organization | 荣誉名称 Honors |
|-----------|---|---|
| 1 | 中国施工企业管理协会 China Association of Construction Enterprise Management | 国家优质工程奖(境外)-阿尔及利亚BISKRA 5000TPD水泥生产线项目 National Excellent Project Award (overseas)- BISKRA 5000TPD cement production line project of Algeria |
| 2 | 中国建筑材料企业管理协会 China Association of Construction Enterprise Management | 2018年度全国建材企业管理现代化创新成果一等奖 First prize for innovative achievements of management modernization of building material enterprises throughout the country in 2018 |
| 3 | 中国建筑材料企业管理协会 China Association of Construction Enterprise Management | 2018年度全国建材企业管理创新 突出贡献人物称号-童来苟 Title of outstanding contribution character in management innovation of building material enterprises throughout the country in 2018-Tong Laigou |
| 4 | 中国建筑材料联合会 China Building Materials Federation | 首届中国建材行业图片大赛暨 第二届中国图片大赛优秀组织奖 Excellent organization award for the first photo contest of building material industry in China and the second photo contest of China |
| 5 | 中国施工企业管理协会 China Association of Construction Enterprise Management | 2017年度全国优秀施工企业 Excellent construction enterprise throughout the country in 2017 |



理念战略

Concept strategy



企业战略及理念

Enterprise strategy and concept

作为全球工程建设的服务商，中材建设始终以诚信的理念、务实的作风和科学的管理，持续创新、热忱服务，努力建设精品工程，实现业主投资价值最大化。

中材建设的发展定位：坚持“早细精实”管理原则，全面深化“水泥工程+”业务定位，工程服务业务推进“属地化和适度多元化”，以工程承包为主导业务，大力推进相关多元发展，以科技创新和管理创新为手段，努力把企业建设成为国际一流的综合性工业工程公司和中国建材集团标杆企业。

2018年，中材建设全面遵循集团战略、文化、方针、管理原则和经营措施，认真贯彻落实股份、中材国际、天津板块“十三五”发展规划和决策部署，以“创新、绩效、和谐、责任”核心价值为引领，立足传统水泥工程、多元工程、产业发展三大业务主线，大力推进国际化、多元化、产业化发展战略，坚持效益优先效率优先，坚持以数字化和KPI指标为管理导向，坚持“稳中求进”和“高质量发展”，积极抓好两个市场——国外市场和国内市场、两轮驱动——主业和多元业务、两个定位——基本建设和生产服务，努力实现公司新一轮跨越式高质量发展。

As a service provider of project construction globally, CBMI always engages in continuous innovation and provides dedicated services with integrity concept, practical style and scientific management, and make efforts to construct excellent projects and maximize investment value of employers.

Development positioning of CBMI: adhere to the management principle of "being early, fine, lean and practical", comprehensively deepen the business positioning of "cement engineering +", promote "localization and appropriate diversification" in project service industry, make great efforts to promote relevant diversified development with project contracting as the leading business, and make efforts to build the enterprise into an international first-class comprehensive industrial engineering company and a benchmarking enterprise of China Building Material Group by means of scientific innovation and management innovation.

In 2018, CBMI comprehensively complied with the group strategy, culture, guideline, management principle and operation measures, earnestly carried out and implemented the "13th Five-year" development planning and decision deployment of CNBM and Sinoma, set foothold in traditional cement engineering, diversified engineering and industrial development led by the core values of "innovation, performance, harmony and responsibility", made great efforts to promote internationalized, diversified and industrialized development strategy, adhered to benefit and efficiency first, took digitalization and KPI as the management orientation, adhered to "seeking improvement in stability and "high-quality development", actively grasped two markets (domestic market and foreign market), two rounds of driving (main and diversified business) and two positioning (basic construction and production service), and made efforts to realize the new round of leap-forward and high-quality development of the Company.



企业战略及理念

Enterprise strategy and concept

核心价值观
Core Values

创新、绩效、和谐、责任
Innovation, performance, Harmony, Responsibility

核心理念
Core ideas

善用资源、服务建设
Utilize Resources Fully and Serve Construction

行为准则
Core of conduct

敬畏、感恩、谦恭、得体
AWE, GRATEFUL, COURTEOUS, DECENT

企业愿景
Coreporate visuon

致力于打造“规模适度、效益一流、事业有成、待遇优越、受人尊重”的国际一流综合性工业工程公司
Build the Company into an international first-class comprehensive industrial engineering company with "appropriate scale, first-class benefit, successful business, superior treatment and respect by others"

社会责任理念与推进

Social responsibility concept and promotion

中材建设已顺利完成2017年度社会责任报告编制，这是自2007年以来连续第11年向联合国全球契约组织提交社会责任报告。2018年，中材建设认真践行“为当地经济做贡献、与当地企业合作、与当地人民友好相处”三原则，积极参与全球契约组织各项活动：阿尔及利亚BC项目部为120名学生捐助1000件学习用品，尼日利亚SOKOTO项目部为当地居民提供水源并定期检查供水情况，俄罗斯项目部聘请当地35名工程师组成高效管理团队、82%施工作业人员来自境外8个国家14个民族，不断打造“中材建设”这一国际名片。

CBMI has prepared the social responsibility report in 2017 smoothly, which is the social responsibility report submitted to United Nations Global Compact Organization for 11th consecutive years since 2007. In 2018, CBMI earnestly practiced the three principles of "making contribution to the local economy, cooperating with the local enterprises and getting well along the local people", and actively participated in various activities of UNGC: Algeria BC Project Department donated 1000 school supplies for 120 students; Nigeria SOKOTO Project Department provided water source for the local residents and inspected the water supply condition; Russia Project appointed 35 local engineers to organize an efficient management team, and 82% of the staff were from 8 foreign countries and 14 nationalities, to build the international business card of "CBMI".



尼日利亚SOKOTO项目为当地村民提供生活用水
Nigeria SOKOTO Project Department provided domestic water for local villagers

管理运营

Management operation



加强业务建设 确保优质服务

Strengthen business construction and ensure high-quality service

制度体系建设

Construction of institutional system

制度建设

2018年，中材建设组织公司各部门完成31个程序文件的修订及编制工作，组织完成215个公司级管理制度文件的修订完善工作。并组织完成公司部门职责修订，完成企业发展部、生产运营部等新成立部门组建。

体系建设

2018年，中材建设以项目需求为中心，在三体系运行、供货质量控制、工程质量管理三个板块圆满完成了年内公司下达的各项任务安排，包括2017年业主满意度调查工作，质量、环境、职业健康安全三体系手册换版，组织并实施三体系内审、协调外审工作。

Institutional construction

In 2018, CBMI organized various departments of the Company to amend and prepare 31 procedural documents, organized the amendment and improvement of 215 company-level management institutional documents, and organized to complete the modification of department duties of the Company, and newly established Enterprise Development Department and Production Operation Department etc.

System construction

In 2018, centered on the project demand, CBMI successfully completed various tasks assigned by the Company in three-system operation, control of goods supply quality and project quality management, including investigation of employer satisfaction in 2017, revision of handbooks of quality, environment, professional health and safety systems, and organized and implemented internal audit of the three systems and coordinated external audit.



公司召开管理制度梳理启动会

The Company held a kick-off meeting of sorting management system

加强业务建设 确保优质服务

Strengthen business construction and ensure high-quality service

业务功能建设

Construction of business function

技术设计

2018年，中材建设技术设计与研发紧跟工业化、智能化发展趋势，坚持创新驱动发展战略，加强对新产业、新材料的研究，将科技创新提升到战略高度，激发公司发展活力。科研立项和专利方面，全年自立科研项目25个，新增项目12个，申请专利6项，授权10项使用专利，发明2项，1项软件著作权；获得集团技术革新奖8个；数字化设计方面，完善三维工厂设计 workflow、工程数据库、材料编码及后期动画效果图等拓展功能，充分发挥技术支撑和创新引领的作用。

采购供货

2018年，中材建设完成设备物资采购额11.87亿元，签订合同1534个。产品交付5.3万吨（14.46万立方米），完成了阿尔及利亚Zahana、阿尔及利亚Bechar等7个项目16条散货船（33批次）设备物资集港。

Technical design

In 2018, CBMI closely followed the digitalization and intelligence development trend in technical design and R&D, adhered to the strategy of driving development through innovation, strengthened research on new industry and materials, promoted scientific and technological innovation to the strategic height and stimulated the development vitality of the Company. In terms of approval of scientific research projects and patent, the Company approved 25 scientific research projects, added 12 new projects, applied for 6 patents, authorized 10 patents for utility model, 2 inventions and 1 software copyright, and won 8 awards for technical reform of the group; in terms of digitalization design, the Company improved 3D factory design work flow, project database, material coding and subsequent animation renderings and other expansion functions, and made full use of the roles of technical support and innovation leading.

Purchase and supply

In 2018, CBMI purchased equipment and materials worth of RMB 1.187 billion, signed 1,534 projects, delivered 53,000 tons (144,600m³) of products, and completed the gathering in port of 16 bulk cargo ships (33 batches) of equipment and materials for 7 projects including Algeria Zahana and Algeria Bechar.



中材建设菲律宾CEMEX项目采购施工合同正式启动

Formal starting of purchase and construction contract of CBMI Philippines CEMEX project



中材建设尼日利亚SOKOTO项目中控室
Central control room of CBMI Nigeria SOKOTO project



中材建设项目生产调试
Commissioning production of CBMI project

物流运输

2018年，中材建设物流管理多措并举降本增效，并首次圆满通过国家海关总署AEO高级认证企业认证，顺利与AEO国际接轨，实现快速清关降低物流成本。累计发运散货船18船，集装箱共1204个；累计发运货物20.4万立方米/7.4万吨，实现出口额3.1亿美元。

生产运营及调试服务

2018年，中材建设生产运营项目运行状态良好，实现了年初制定的生产目标，生产熟料238.17万吨，石灰石、粘土、排废等总计约366.7万吨，顺利完成全年项目调试工作任务；先后完成了赞比亚中材水泥、南非PPC、尼日利亚SOKOTO三条完整的水泥生产线，以及乌干达和肯尼亚两个粉磨站项目的调试任务；备件业务开拓卓有成效，完成订单数量共计216个，同比增长96.36%。

Logistics transportation

In 2018, CBMI took many measures in logistics management to reduce cost and increase benefit, and successfully passed AEO senior enterprise certification of the General Administration of Customs for the first time, smoothly in line with the international convention of AEO, which realized rapid customs clearance and reduced cost. It shipped 16 bulk cargo ships and 1204 containers accumulatively; shipped 204,000m³/74,000 tons of cargos, with an export amount of USD 310 million.

Production operation and commissioning service

In 2018, CBMI had a good running state in production and operation projects, realized the production objective established at the beginning of the year, manufactured 2.3817 million tons of clinkers, with about 3.667 million tons of limestone, clay and waste totally, and completed the work task of project commissioning throughout the year successfully; it has successively established three cement production lines, namely Zambia CBMI cement, South Africa PPC and Nigeria SOKOTO, and the commissioning tasks of two grinding station projects in Uganda and Kenya; the Company made an outstanding achievement in expansion of spare parts business and completed 216 orders totally, increasing by 96.36% on a year-on-year basis.

加强业务建设 确保优质服务

Strengthen business construction and ensure high-quality service

企业基础管理

Basic enterprise management

人力资源

2018年，中材建设积极做好人力资源优化提升工作，颁布实施《关于建立大龄职工内部退岗休养通道的规定》，完成74名大龄职工办理内退手续；加强人才队伍建设，推进人才国际化战略，招聘1名巴基斯坦籍员工入职技术中心，通过实施《新员工师徒带徒管理办法》和《青年员工成长经历跟踪记录卡管理办法》加强对年轻员工的关爱、引导和评价工作；加强制度规范与引导，编制了《中材建设有限公司人力资源优化方案》、《安全管理人员选用管理办法》等，修订了《员工绩效考核管理办法》、《考勤管理办法》，为公司人力资源可持续发展提供了有力的支撑。

运营考核

2018年，中材建设运营管理以效益为中心，全面开展精细化管理。建立以“项目为中心”、“多维度、多节点”、“项目经理负责制”的成本管控、考核管理体系，实行“项目经理负责制”，成本与项目经理绩效挂钩，实现综合毛利率提升5.8%以上；引入分包结算二次审计，铸就分包支出二道防火墙，全年参与完成了17个项目结算审核工作，有效降低工程项目成本；加大经济运行分析力度，调整经济运行分析内容，提升经济分析质量，对标各项经济指标落实情况，及时提出公司经济运营工作中存在的不足和改善措施、方向；加大设备供货、工程建设违约索赔力度，全年纳入索赔监控项目64个；积极开展项目内控检查，对设备管理、分包管理、风险管控等方面进行监督检查，确保项目实施全面受控。

Human resources

In 2018, CBMI actively optimized and improved human resources, issued and implemented Provisions on Establishment of Internal Retirement Channel for Older Staff, handled the internal retirement formalities of 74 older staffs; CBMI strengthened construction of talents, promoted the strategy of talent internationalization, recruited 1 Pakistani employee to the Technical Center, cared, guided and evaluated young employees by implementing Management Measures of Masters Leading Apprentices for New Employees and Management Measures for Tracking and Recording Card of Growth Experience of Young Employees; CBMI strengthened system regulation and guidance; prepared Optimization Plan for Human Resources of CBMI Construction Co., Ltd., Management Measures for Selection and Use of Safety Management Personnel, modified Management Measures for Performance Assessment of Employees, Attendance Management Measures, which provided a powerful support for the sustainable development of human resources of the Company.

Operation assessment

In 2018, centered on benefit, CBMI carried out lean management comprehensively in operation management. It established a cost control and assessment management system of "project as center" and "multiple dimensions and nodes" and "project manager responsibility system", implemented "project manager responsibility system", linked cost to the performance of project manager, increased overall gross margin rate by above 5.8%; CBMI introduced secondary audit of subcontracting settlement to build two firewalls for subcontracting expenditures, and completed the settlement audit of 17 projects throughout the year to effectively reduce the project cost; CBMI strengthened the analysis of economic operation, adjusted analysis contents of economic operation, improved economic analysis quality, benchmarked the implementation of various economic indicators, proposed the shortcomings in economic operation of the Company and improvement measures and direction, strengthened breach claim of equipment supply and project construction, and included 64 claim monitoring projects throughout the year; CBMI actively carried out internal control and inspection of projects, supervised and inspected equipment management, subcontracting management and risk management and control to ensure that the project implementation was comprehensively controlled.



中材建设2018年中层以上干部会议
Meeting of cadres above intermediate level of CBMI in 2018



中材建设2018年新员工正式入职与领导见面会
Formal entry of new employees and meeting with leader of CBMI in 2018



中材建设2018年财务工作会议
Financial work meeting of CBMI in 2018



中材建设内审组到阿尔及利亚BECHAR项目进行内控审计
Internal audit group of CBMI conducted internal control audit of Algeria BECHAR project

资产财务

2018年，中材建设多渠道拓展融资渠道，缓解公司资金压力，降低财务成本，公司共获得各商业银行综合授信75亿元；推进区域财务协同，降低区域内税务风险，定期召开区域财务工作会议，提升财务人员的专业水平；加强税收管理，用好税收优惠政策，防范税务风险；积极做好高新企业减免税和出口退税工作。

审计内控

2018年，中材建设建立和完善公司内控审计检查、考评、预警制度，严格执行公司内控审计管理办法，定期对所属单位开展效益审计和经济责任审计工作。2018年完成对尼日利亚生产运营、EDO矿山运营、尼日利亚UNICEM、SOKOTO、南非PCC等9个项目预决算效益审计，完成尼日利亚、阿尔及利亚、哈尔滨、俄罗斯4个分子公司的年度效益审计。进一步加强内部监督和风险控制，有效推进公司各项内控管理制度运行。

法律法务

2018年，中材建设全力做好公司各类法律法务工作，全年诉讼仲裁案件12起，成功结案6起，法院支持公司1.14亿元的合法权益。

Assets and financial matters

In 2018, CBMI expanded many financing channels to relieve the Company's fund pressure and reduce financial cost; the Company obtained comprehensive credit of RMB 7.5 billion from various commercial banks, promoted regional financial synergy, reduced tax risks in the regions, held regional financial work meeting regularly to improve the profession level of financial personnel, strengthened tax management, made good use of tax preference policy, prevented tax tasks, and actively did the work of tax reduction and exemption for high-tech enterprises and export rebates.

Audit and internal control

In 2018, CBMI established and improved the Company's internal control, audit and inspection, assessment and early warning systems, strictly implemented the Company's internal control and audit management measures, reviewed benefit and economic responsibilities of the affiliates. In 2018, the Company audited the budget and final settlement benefit of 9 projects including Nigeria production operation, EDO mine operation, Nigeria UNICEM, SOKOTO and South Africa PCC, and audited the annual benefits of 4 branches and subsidiaries, namely Nigeria, Algeria, Harbin and Russia. The Company further strengthened internal supervision and risk control, and effectively promoted the operation of various internal control management systems of the Company.

Legal matters

In 2018, CBMI made its endeavor to do various work of legal affairs, had 12 litigation and arbitration cases throughout the year, settled 6 cases successfully and the court supported legal rights and interests of RMB 114 million of the Company.

加强业务建设 确保优质服务

Strengthen business construction and ensure high-quality service

廉政建设

2018年，中材建设严格落实“三重一大”决策制度，切实发挥公司党委把方向、管大局、保落实政治核心作用。召开党风廉政建设工作会议，党委与全体职能部门和项目经理部第一负责人签订了《党风廉政建设责任书》。开展廉洁警示教育，组织基层党支部书记和委员参加理想信念教育培训，重温井冈山精神；对2018年新入职35名员工进行入职廉洁教育，组织观看警示教育片《守住第一次》；对新提拔干部进行任职前谈话。深化巡视自查整改，以中国建材集团境外项目廉洁风险防控小组到公司阿尔及利亚区域检查工作为契机，启动廉洁风险防控体系建设工作。



中材建设领导与各单位负责人签订党风廉政责任书
Leaders of CBMI and responsible persons of various departments signed Letter of Responsibility of Improving Party Conduct and Promoting Integrity.

Construction of Incorruptible Employment

In 2018, CBMI strictly implemented the decision-making system of "decision on major issues, appointment and dismissal of important cadres, decision on investment of major projects and use of large amount of funds", and practically played the political core role of party committee of the Company in grasping the direction, managing overall situation and ensuring implementation. The Company held a work meeting of improving Party conduct and promoting integrity, and the party committee and the first responsible person of all functional departments and Project Management Department signed Letter of Responsibility of Improving Party Conduct and Promoting Integrity. The Company held integrity warning education, organized secretary and members of the basic-level party branch to attend the training of ideal and belief education, reviewed Jinggangshan Spirit; CBMI conducted entry integrity education on 35 new employees in 2018, organized them to watch warning education film Hold the First Time and talked with the newly promoted cadres before taking office; CBMI deepened patrolling self-inspection and rectification, and started the construction of integrity risk prevention and control system by taking the opportunity that Integrity Risk Prevention and Control Group of CNBM Overseas Project went to Algeria to inspect work.

企业文化建设

2018年，中材建设为全面贯彻落实中国建材集团党委《关于做好集团员工参与“善建公益”基金有关工作的通知》精神，组织开展“善建公益基金”捐款活动，公司共852名职工踊跃捐款。组织参加首届中国建材行业图片大赛暨第二届中国图片大赛（建材分赛区）并获优秀组织奖，部分参赛作品荣获优秀奖。抓好选树典型，做好“中材建设十大工匠”、“优秀项目经理”、“十大优秀外籍员工”、“创新标兵”、“安全管理标兵”、“优秀财务工作者”等表彰宣传工作，并每月编辑《中材建设报》、每周编制《公司一周项目进展回顾》，在公司内网电子公告及公司唐山、北京一楼显示屏展示。

Enterprise culture construction

In 2018, in order to comprehensively carry out and implement spirit of Notice on Relevant Work of Group Employees Participating in "Shanjian Commonweal" Fund of CNBM Party Committee, CBMI organized donation activities of "Shanjian Commonweal Fund", and 852 employees of the Company donated money eagerly. The Company organized and participated in the first photo contest in building material industry of China and the second photo contest of China (building material subdivision), and won the excellent organization ward, and some entries won excellence award. CBMI set typical examples, publicized "Top 10 Craftsmen of CBMI", "Excellent Project Manager", "Top 10 Foreign Employees", "Innovation Model", "Safety Management Model" and "Excellent Financial Workers" etc., and edited Journal of CBMI every month, Review of Weekly Project Progress of the Company every week, and announced them in intranet of the Company and displayed them on the first floor display screens in Tangshan and Beijing.



中材建设主要领导与公司2017年优秀外籍员工合影
Group photo of main leaders and excellent foreign employees of CBMI in 2017



中材建设组织观看电影《厉害了，我的国》
CBMI organized to watch film Amazing China

创新营销模式 培育市场生态

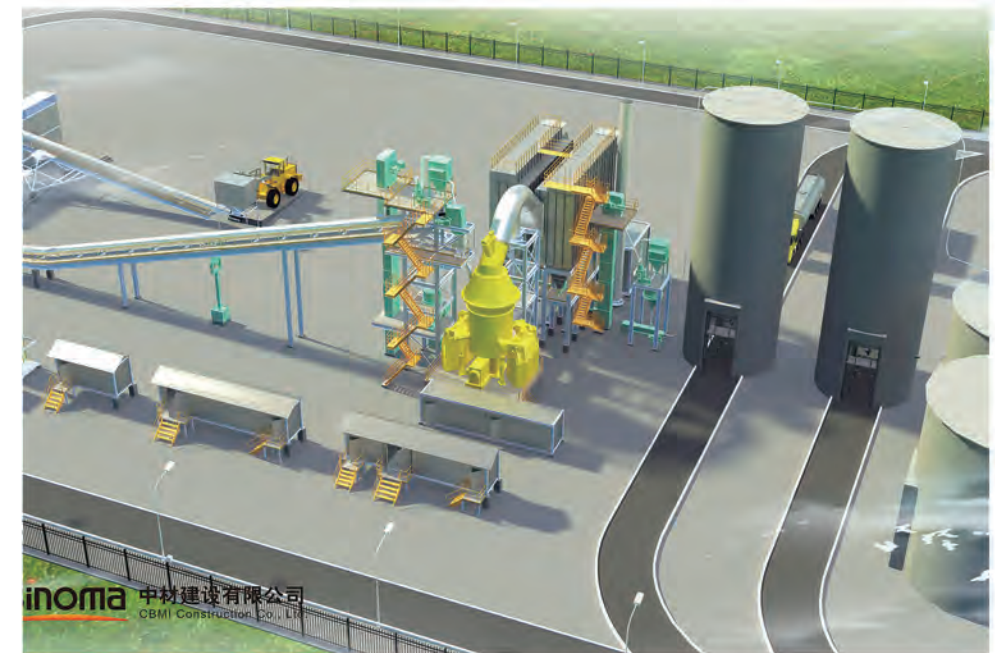
Innovate marketing model and cultivate market ecology

2018年，中材建设面对错综复杂的市场生态，市场开拓以保持合同存量、拓展业务增量、培植市场体量为工作思路，采用差异化、立体化等有效措施，“做优、做大、做强”业务规模质量，构建市场营销新格局，全年新签合同额再创历史新高。

In 2018, facing the complicated market ecology, CBMI, following the working ideas of expanding the market, keeping the contract stock, expanding the business increment, and cultivating the market size, took the differentiated and three-dimensional effective measures to realize "better, bigger and stronger" business scale and quality, and build a new pattern of marketing, and the amount of contracts signed newly in the whole year reached a record high.



中材建设签订赞比亚CAC5000TPD熟料水泥生产线及配套电厂项目EPC总承包合同
CBMI signed the EPC Contract for Zambia CAC 5000TPD clinker cement production line and supporting power plant project



中材建设签订拉豪集团几内亚模块化粉磨站EPC总承包合同
CBMI signed the EPC Contract of Modular Grinding Station of LafargeHolcim in Guinea.

创新营销模式 培育市场生态

Innovate marketing model and cultivate market ecology

做优传统主业

着力抓好重点国家和重点客户的市场经营，谋篇布局抓重点，精准施策抢市场，以在建优势项目为基础，建立与业主的良好关系，推进深层次开发和合作，做熟做深做透主业市场。2018年，公司成功签订了赞比亚CAC5000TPD项目、尼日利亚SOKOTO三线6000TPD熟料项目、阿尔及利亚杰勒法4500TPD熟料项目、摩洛哥SOUSS粉磨站、几内亚模块化粉磨站等项目合同。尤其是，赞比亚CAC项目成功取得“EPC+F”业务模式突破，几内亚项目实现公司模块化粉磨站产品第一单，SOKOTO三线项目进一步巩固与BUA集团战略合作，南美洲办事处经营取得新突破，为公司传统业务稳健发展奠定了良好基础。

Optimize traditional main business

Make efforts to grasp the marketing in key countries and key customers, plan the layout and get the point, take measures accurately to seize the market, and on the basis of advantageous projects under construction, establish the good relations with employers, to promote the deep-level development and cooperation, and develop the main business market thoroughly and deeply. In 2018, the company successfully signed the contracts for Zambia CAC5000TPD project, Nigeria SOKOTO three-line 6000TPD clinker project, Algeria Djelfa 4500TPD clinker project, Morocco SOUSS grinding station project, and Guinea modular grinding station project. The company successfully made a breakthrough in “EPC+F” business mode in Zambia CAC project, it realized the first order of modular grinding station product in Guinea project, further strengthened the strategic cooperation with BUA Group in SOKOTO three-line project, and made a new breakthrough in operation of office in America, therefore, laying a good foundation for the sound development of the company's traditional business.



中材建设签订沙特石油焦煅烧项目合同

CBMI signed the contract for Saudi Arabia petroleum coke calcination project

做大多元化工程

大力开拓多元工程市场，按照精耕市场、精准服务、精化技术、精细管理的要求，广开思路、广交朋友，紧盯三星集团、沈阳铝镁院等重点客户，重点在阿尔及利亚、尼日利亚、俄罗斯、东帝汶、赞比亚等区域探索附加值高可持续发展的产业链，推进产业结构的延伸和做大做强。2018年，公司成功签订了阿尔及利亚油脂制取项目第16包、厦门标准砂改造项目、沙特SCPC石油焦煅烧项目等。尤其沙特SCPC石油焦项目，成为公司与沈阳铝镁院战略合作成功签订的第一个订单，对公司发挥国际化先行优势、整合国内资源、加快开拓多元工程市场，具有十分重要的战略意义。

Enlarge diversified engineering

Make efforts to grasp the marketing in key countries and key customers, plan the layout and get the point, take measures accurately to seize the market, and on the basis of advantageous projects under construction, establish the good relations with employers, to promote the deep-level development and cooperation, and develop the main business market thoroughly and deeply. In 2018, the company successfully signed the contracts for Zambia CAC5000TPD project, Nigeria SOKOTO three-line 6000TPD clinker project, Algeria Djelfa 4500TPD clinker project, Morocco SOUSS grinding station project, and Guinea modular grinding station project. The company successfully made a breakthrough in “EPC+F” business mode in Zambia CAC project, it realized the first order of modular grinding station product in Guinea project, further strengthened the strategic cooperation with BUA Group in SOKOTO three-line project, and made a new breakthrough in operation of office in America, therefore, laying a good foundation for the sound development of the company's traditional business.



中材建设签订阿尔及利亚NUTRIS日产6000吨油脂制取EPC总承包项目

CBMI signed the EPC Contract for Algeria NUTRIS grease production project with a daily production of 6,000t

做精生产运营

2018年，中材建设持续解读BUA集团、BISKRIA集团、LH集团等重点客户生产运营业务需求，依托海外在建项目实施优势，一如既往为客户创造最大的利益价值，以产量、实际行动和高质量服务赢得了客户的信赖与赞誉，全年完成营收2.35亿元，比去年同期增长36%。EDO一线熟料年产量创造了历年最高水平，SOKOTO项目转入生产运营不到半年时间，窑运转率达99%，BUA集团董事会主席RABIU先生赞誉中材建设团队取得了让人难以置信的成绩。

Keep improving in production and operation

In 2018, CBMI continuously unscrambled the production and operation business demands of the key customers like BUA Group, BISKRIA Group and LH Group. Relying on the implementation advantage of the projects under construction overseas, it created the maximum benefit values for the customers as always, won the trust and praise from the customers with output, practical action and high-quality service, and completed the operating revenue of RMB0.235 billion all year round, with a growth of 36% than the same period in the last year. The annual yield of EDO first-line clinker reached the highest level in history. In less than half a year after SOKOTO project was put into production and operation, its kiln operation rate was up to 99%, and Mr. RABIU, chairman of the board of directors of BUA Group praised CBMI for its unbelievable achievements.

创新营销模式 培育市场生态

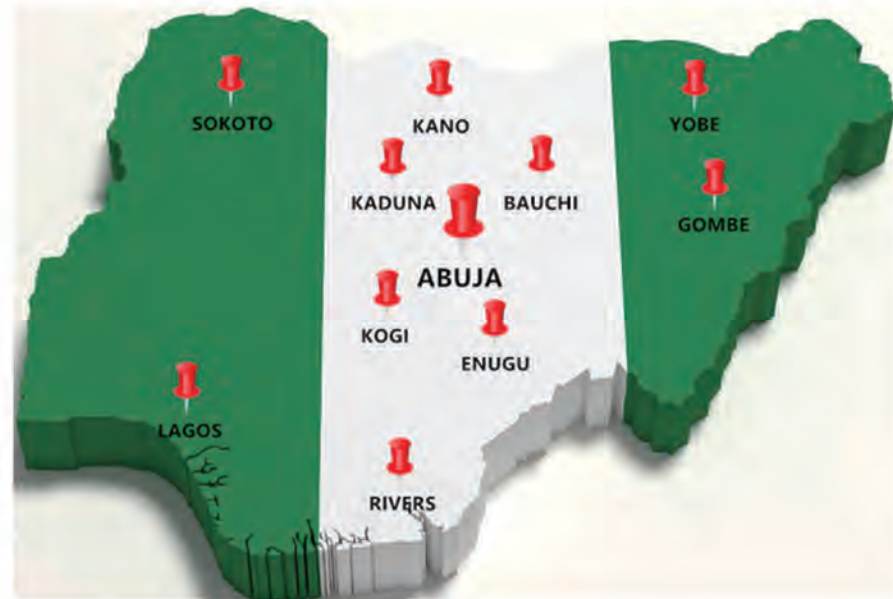
Innovate marketing model and cultivate market ecology

做强产业发展

2018年，中材建设积极推进市场引领和资本投资双轮驱动公司业务转型，改善和优化业务结构。在尼日利亚，进一步扩大彩石瓦生产规模，积极推进年产500万平米硅酸钙板项目。在阿尔及利亚，积极推进与BC业主、GICA集团以及当地造纸厂、工业气体厂项目合资合作。同时，依托属地化战略推进，积极稳妥布局推进属地产业发展。

Strengthen industrial development

In 2018, CBMI actively promoted the market leading and capital investment to realize two-wheel drive of the company's business transformation, and improved and optimized the business structure. In Nigeria, the company further expanded the stone coated metal roofing tile production scale, and actively promoted the calcium silicate board project with an annual production of 5,000,000m². In Algeria, the company actively promoted the joint venture cooperation with BC employers, GICA Group, local paper mill, and industrial gas plant. In addition, depending on the localization strategy, the company promoted the localization industry development actively and stably.



尼日利亚FABCOM公司销售分布图
Sales distribution of Nigeria FABCOM Company



尼日利亚硅酸钙板项目专家评审会
Expert panel of Nigeria calcium silicate board project

2018年中材建设传统主业签约项目

Signed projects on traditional main business of CBMI in 2018

2018年，中材建设传统主业签订合同的项目14个，新签合同额59.02亿元。

In 2018, CBMI signed 14 contracts on traditional main business projects, with a total added contact amount of RMB5.902 billion.

| 序号 No. | 项目名称 Project name | 合同模式 Model of contract | 签约时间 Time of signing |
|-----------|---|---------------------------|-------------------------|
| 1 | 阿尔及利亚BC 2x6000TPD项目合同变更 Algeria BC 2x6000TPD project contract change | EPC | 2018/1/13 |
| 2 | LH尼日利亚EWE煤磨改造项目 LH Nigeria EWE coal mill renovation project | EPC | 2018/3/9 |
| 3 | LH摩洛哥SOUSS粉磨站 LH Morocco SOUSS grinding station | EPC | 2018/4/3 |
| 4 | 阿尔及利亚Djelfa 4500TPD熟料水泥生产线项目 Algeria Djelfa 4500TPD clinker cement production line project | EPC | 2018/3/28 |
| 5 | CEMEX菲律宾项目合同变更 CEMEX Philippines project contract change | EPC | 2018/4/3 |
| 6 | 阿尔及利亚石膏项目 Algeria gypsum project | EPC | 2018/5/20 |
| 7 | 阿尔及利亚Nutris油脂榨取项目16包合同 Algeria Nutris grease extraction project contract for package 16 | EPC | 2018/5/31 |
| 8 | LH乌干达项目运营合同及合同变更 LH Uganda project operation contract and contract change | EPC+OM | 2018/6/1 |
| 9 | LH摩洛哥SOUSS水泥库及包装车间 LH Morocco SOUSS cement silo and packing workshop | EPC | 2018/6/27 |
| 10 | 蕉岭10000tpd生产线安装合同 Jiaoling 10000tpd production line installation contract | C | 2018/8/14 |
| 11 | EDO二线项目新增道路合同变更 EDO second-line project's new road contract change | EPC | 2018/9/5 |
| 12 | LH几内亚粉磨站项目 LH Guinea grinding station project | EPC | 2018/11/26 |
| 13 | 赞比亚CAC 5000TPD熟料生产线项目 Zambia CAC 5000TPD clinker production line project | EPC | 2018/12/4 |
| 14 | 俄罗斯白水泥项目 Russia white cement project | C | 2018/12/31 |

创新营销模式 培育市场生态

Innovate marketing model and cultivate market ecology

2018年中材建设多元业务签约项目

Signed projects on diversified business of CBMI in 2018

2018年多元业务全年签约9个合同（含属地化公司），合同总额10.72亿元。

In 2018, CBMI signed 9 contracts on diversified businesses throughout the year (including localization company), with a total contact amount of RMB1.072 billion.

| 序号 No. | 项目名称 Project name | 合同模式 Model of contract | 签约时间 Time of signing |
|-----------|--|---------------------------|-------------------------|
| 1 | 洪泽蓝天化工科技有限公司焚烧系统二次项目 Secondary project of incineration system of Hongze Lantian Chemical Technology Co., Ltd | EPC | 2018.1.5 |
| 2 | 水泥窑协同处置飞灰项目（200t/d）检修服务协议 Maintenance service agreement for cement kiln fly ash co-processing project (200t/d) | C | 2018.3.6 |
| 3 | 厦门艾思欧标准砂有限公司技改项目 Technical reform project of Xiamen ISO Standard Sand Co., Ltd. | EPC | 2018.7.10 |
| 4 | 厦门艾思欧标准砂有限公司漳浦分公司技改项目 Technical reform project of Xiamen ISO Standard Sand Co., Ltd. Zhangpu Branch | EPC | 2018.7.10 |
| 5 | 马来西亚怡保污水处理厂CS2土建标段-平衡、去氧和曝气池项目 CS2 civil engineering section—balance, deoxidation and aeration tank project of Ipoh sewage treatment plant in Malaysia | C | 2018.10.21 |
| 6 | 乌干达Simba集团炼油厂土建施工项目 Civil construction project of oil refinery of Simba Group in Uganda | C | 2018.11.9 |
| 7 | 沙特SCPC67万吨/年石油焦煅烧项目 Saudi Arabia SCPC petroleum coke calcination project with an annual yield of 670,000 tons | C | 2018.12.8 |
| 8 | 尼日利亚阿布贾十二使徒大教堂的网架结构与外装饰供货和安装施工项目 Grid structure and outer decoration supply and installation construction project for Church of the Twelve Apostles in Abuja, Nigeria | PC | 2018.12.10 |
| 9 | 阿尔及利亚医院总承包项目 Algeria hospital EPC project | C | 2018.12.18 |

创新引领发展 增强发展动力

Lead development through innovation and enhance the driving force for development

2018年，中材建设坚持创新发展工作，不断增强发展动力。一是加大技术创新的孵化、转化，与高等院校开展技术交流活动，注重产学研结合，充分利用社会资源，推进科研成果转化市场效益；二是加大新技术研究与应用，在国外水泥窑协同项目工业废弃物处理、处置和替代原燃材料、危险废物处置等领域取得重大的技术突破；三是加大基层三维设计和技术人员培养，聚焦新业务领域、重点项目、关键技术打造科技领军人才和专业核心人才，不断增强企业创新力和竞争力。

In 2018, CBMI insisted on the innovation development work, to continuously enhance the driving force for development. First, increased the incubation and transformation of technological innovation, developed technical exchange activities with colleges and universities, paid attention to combination involving production, teaching and research, and took full advantage of the social resources, to promote the transformation of scientific research achievements into market benefits; second, increased the new technology research and application, and made major technological breakthroughs in overseas cement kiln collaboration project's industrial waste treatment, disposal and substitution of raw fuel materials, and hazardous waste disposal; third, increased the basic three-dimensional design and technical personnel cultivation, focused on new business fields, key projects, and key technologies, to make scientific and technological leading talents and professional core talents, so as to enhance the enterprise innovation power and competitiveness.



中材建设全面推进全生命周期数字化建设和3D设计
CBMI comprehensively promoted the full-life-cycle digitalization construction and 3D design.



中材建设召开2018年度科技成果评价会，多项成果通过鉴定
CBMI held the evaluation meeting for scientific and technological achievements in 2018, and many achievements passed the appraisal.

创新引领发展 增强发展动力

Lead development through innovation and enhance the driving force for development

强化技术创新

Strengthen the technical innovation

技术研发与创新

技术研发项目，参加中国建材集团2018年“中复杯”技术革新奖评选活动，获得以下奖项：

Technology research & development and innovation
In the "Zhongfu Cup" technical innovation appraisal activity of CBMI 2018, its technology research & development projects won the following awards:

| 序号 No. | 项目名称 Project name | 奖励类别 Model of contract | 奖励名称 Time of signing | 获奖等级 Model of contract | 评奖部门 Time of signing |
|-----------|--|---|---------------------------------|---------------------------|-------------------------|
| 1 | 自适应托轮支承与啮合传动的回转窑 Misalignment service agreement for cement kiln fly ash co-processing project (2008d) | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 一等奖 First prize | 中国建材集团 CNBM |
| 2 | 危废智能配伍系统 Intelligent Compatibility System for Hazardous Waste | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 一等奖 First prize | 中国建材集团 CNBM |
| 3 | 大型飞模系统在工程中的应用 Research and Application of Large Flying Model System in the Engineering | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 二等奖 Second prize | 中国建材集团 CNBM |
| 4 | 危险废弃物焚烧装置优化配置与应用 Optimized Configuration and Application of Hazardous Waste Incineration Equipment | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 二等奖 Second prize | 中国建材集团 CNBM |
| 5 | 水泥土深层搅拌桩与深基坑支护的结合与应用 Combination and Application of Cement Soil Deep-mixed Pile with Deep Foundation Pit Supporting | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 三等奖 Third prize | 中国建材集团 CNBM |
| 6 | 多用途可拆双叶轮锁风阀 Multi-purpose Detachable Double Impeller Air Lock | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 三等奖 Third prize | 中国建材集团 CNBM |
| 7 | 危险废弃物热解法新式炉设计优化与应用 Optimized Design and Application of a New Pyrolysis Furnace for Hazardous Wastes | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 三等奖 Third prize | 中国建材集团 CNBM |
| 8 | 保加利亚项目可替代燃料利用技术研究与实施 Alternative Fuel Utilization Technology Research and Implementation of Bulgaria Project | 省部级奖励 Provincial and ministerial Award | 技术开发类 Technology development | 三等奖 Third prize | 中国建材集团 CNBM |

公司组织了科技成果评价会，2018年科技成果评价共17项，评价结果为：1项整体国内领先，部分国际先进；国内领先14项；国内先进2项，如下表所示：

The Company organized the evaluation meeting for scientific and technological achievements. 17 scientific and technological achievements were evaluated in 2018, and the evaluation results are: 1 domestically leading in whole and internationally advanced in part; 14 domestically leading; and 2 domestically advanced, shown as below:

| 序号 No. | 项目名称 Project name | 类别 Type | 评价水平 Level evaluated |
|-----------|--|--|---|
| 1 | 新轻型输送装置结构技术研究与应用 New light conveyor device structure technology research and application | 新产品 New product | 国内领先 Domestically leading |
| 2 | 回转窑联合热解炉工艺在危废焚烧上的研究与应用 Research and application of rotary kiln combined with pyrolysis furnace technology in incineration of hazardous waste | 新工艺 New process | 国内先进 Domestically advanced |
| 3 | 多用途可拆锁风阀的研发与应用 Research & development and application of multi-purpose detachable double impeller air lock | 新产品 New product | 国内领先 Domestically leading |
| 4 | 湿粘物料料仓防堵装置的研发与应用 Research & development and application of wet and sticky material bin anti-blocking mechanism | 新产品 New product | 国内领先 Domestically leading |
| 5 | 水泥窑外预分解装备大型化技术研究 Technical research for large pre-decomposing equipment outside the cement kiln | 新工艺 New process | 国内领先 Domestically leading |
| 6 | 料、风多重分级低氮分解炉研发与应用 Research & development and application of raw, wind multistage low nitrogen decomposition furnace | 新技术 New technology | 国内领先 Domestically leading |
| 7 | 回转式废弃物焚烧炉装备研发与应用 Research & development and application of rotary waste incinerator equipment | 新产品 New product | 国内领先 Domestically leading |
| 8 | 自动仓储系统在危废储存、数据采集及物料配伍上的研究与应用 Research and application of automatic storage system in hazardous waste storage, data acquisition and material compatibility | 新工艺 New product | 国内领先 Domestically leading |
| 9 | 生料库预制减压锥施工工艺的研究与应用 Research and application of raw material silo prefabrication cone of pressure relief construction process | 新工艺、工法 New process, construction method | 国内领先 Domestically leading |
| 10 | 模块化可移动式粉磨站 Modular mobile grinding station | 新工艺 New product | 整体国内领先 部分国际先进 Domestically leading in whole, internationally advanced in part |
| 11 | 模块快装式粉磨装置研发 Research & development of modular quick loading flour mill | 新技术 New technology | 国内领先 Domestically leading |
| 12 | 工业废弃物处置用热解炉研发 Research & development of pyrolysis furnace used for industrial waste disposal | 新产品 New product | 国内领先 Domestically leading |
| 13 | 工业废弃物处置用高温二燃室研发与应用 Research & development and application of high-temperature second combustion chamber used for industrial waste disposal | 新产品 New product | 国内领先 Domestically leading |
| 14 | 危废高温灰渣风冷处置装置的研发与应用 Research & development and application of air-cooled disposal device for high temperature ash in hazardous waste | 新产品 New product | 国内领先 Domestically leading |
| 15 | 湿粘物料门式取料机的研发与应用 Research & development and application of door type reclaimers for wet and sticky materials | 新产品 New product | 国内领先 Domestically leading |
| 16 | 带新型轴向定位系统管磨机的研发与应用 Research & development and application of tube mill with new axial positioning system | 新产品 New product | 国内领先 Domestically leading |
| 17 | 混凝土多仓库的施工便利化设计优化及施工技术创新与应用 Concrete multi-warehouse construction facilitation design optimization and construction technology innovation and application | 新产品 New product | 国内领先 Domestically leading |

创新引领发展 增强发展动力

Lead development through innovation and enhance the driving force for development

加大技术研发

Increase technology research and development

2018年，在对上一年度13个技术研发项目持续展开同时，新增12个研发项目。

In 2018, 12 research & development projects were added newly while the 13 technology research & development projects of last year were developed continuously.

| 序号 No. | 项目编号 Project No. | 技术研发项目名称 Name of technology research & development project |
|-----------|---------------------|--|
| 1 | 2018RD01 | 自带收尘的敞口式料斗技术的研究和应用 Research and application of open hopper with dust collection technology |
| 2 | 2018RD02 | 水泥窑协同处置飞灰技术研究与应 Research and application of collaborative ash disposal technology of cement kiln |
| 3 | 2018RD03 | 适用于多燃料组分的全自动多炉膛热风炉系统开发与应用 Development and application of full-auto multi-chamber hot blast furnace system applicable to multi-fuel components |
| 4 | 2018RD04 | 自动调节型移动喂料阀研发与应用 Research & development and application of automatic regulating type movable feed valve |
| 5 | 2018RD05 | 水泥厂废弃物协同生产中旁路放风系统的应用 Research and application of bypass system in cement plant's waste collaborative production |
| 6 | 2018RD06 | 基于高性能计算控制系统在危险废弃物处置中的研发与应用 Research & development and application of control system based on high-performance computing in hazardous waste disposal |
| 7 | 2018RD07 | 蒸馏残渣脱桶技术在危废行业中的应用 Research and application of distillation residue off barrel technology in hazardous waste industry |
| 8 | 2018RD08 | 强震地区大型钢结构技术研究及应用 Research and application of large steel structure technology in strong earthquake area |
| 9 | 2018RD09 | 全替代燃料的预热器系统技术研究与应用 Research and application of all-alternative fuel preheater system technology |
| 10 | 2018RD10 | 远距离管道输送蒸馏残液技术的研究与应用 Research and application of long-distance pipeline transmission of distillation residue technology |
| 11 | 2018RD11 | 适用于全球运维技术支持平台开发与应用 Development and application of operation and maintenance technology support platform suitable to the whole world |
| 12 | 2018RD12 | AFR燃料在水泥工厂中的预处理系统研发与应用 Research & development and application of AFR fuel pre-treatment system in cement factory |

2018年，完成6项专利的申请。

In 2018, 6 patent applications were completed.

| 序号 No. | 专利名称 Patent name | 受理专利号 Project No. |
|-----------|---|----------------------|
| 1 | 比例调节型卸料阀 Proportionally regulated type discharge valve | 201811280855.9 |
| 2 | 燃烧器专用模板及其施工方法 Special template for burner and its construction method | 201811279573.7 |
| 3 | 燃烧器专用模板 Special template for burner | 201821772253.0 |
| 4 | 料耙移动车架防倾翻装置 Claw moveable frame anti-tipping device | 201811279575.6 |
| 5 | 适应俯仰机构的自牵引密封装置 Self-traction seating device adaptive to elevating gear | 201811280853.X |
| 6 | 自动感应切换阀 Automatic induction switch valve | 201822085352.8 |

2018年，获得2项发明专利，10项实用新型专利，1项软件著作权的授权。

In 2018, the Company got the authorization of 2 invention patents, 10 utility model patents and 1 software copyright.

| 序号 No. | 专利名称 Patent name | 授权专利号 Project No. | 专利类型 Project No. |
|-----------|--|----------------------|-----------------------------|
| 1 | 电动闸板阀 Electric gate valve | ZL 201610766704.9 | 发明 Invention |
| 2 | 多物态危废焚烧预处理与配伍系统 Multi-physical state hazardous waste incineration pretreatment and compatibility system | ZL 201610885923.9 | 发明 Invention |
| 3 | 热解炉 Pyrolysis furnace | ZL 201720884679.4 | 实用新型 Utility model |
| 4 | 风冷式排渣装置 Air-cooled slag discharging device | ZL 201720884649.3 | 实用新型 Utility model |
| 5 | 高温设备顶部结构的预制耐火衬里 Prefabricated refractory lining of high temperature equipment top structure | ZL 201721243708.5 | 实用新型 Utility model |
| 6 | 电能自维持干法水泥烧成工艺及其供电系统 Electrical self-maintenance dry cement firing process and power distribution system | ZL 201721125604.4 | 实用新型 Utility model |
| 7 | 适应大齿轮偏摆的啮合传动装置 Engaged transmission suitable to big gear wheel deflection | ZL 201721470674.3 | 实用新型 Utility model |
| 8 | 可调节窑尾飞灰喷枪 Adjustable spray gun for kiln tail ash | ZL 201820126438.8 | 实用新型 Utility model |
| 9 | 快速插接式MCC电缆室 Quick plug-in type MCC cable room | ZL 201721322083.1 | 实用新型 Utility model |
| 10 | 集装箱式收尘室分体组合收尘器 Container type dust collecting room split-combination dust collector | ZL 201721424493.7 | 实用新型 Utility model |
| 11 | 模块化集装箱式配料站 Modular container batching station | ZL 201721424494.1 | 实用新型 Utility model |
| 12 | 可移动的模块化水泥生产线 Moveable modular cement production line | ZL 201721420330.1 | 实用新型 Utility model |
| 13 | 生物质热风炉的控制系统 Control system of biomass hot blast furnace | 2018SR739403 | 软件著作权 Software copyright |

推进设计优化

工程量控制：通过各专业协同，共同努力，施工项目的工程量完成了公司下发的指标。

Control of quantities: Through the coordination of different disciplines and joint efforts, the quantities of construction projects target issued by the Company have been achieved.



中材建设法国MK3项目3D应用设计效果图
3D application design effect of MK3 Project in France of CBM1

创新引领发展 增强发展动力

Lead development through innovation and enhance the driving force for development

创新项目管理

Make innovations in project management

项目管理亮点

中材建设承建的阿尔及利亚BISKRA项目，全项目工艺线整合、配置了目前全球行业内技术领先的生产工艺和设备，包括原料在线分析仪、双系列低压损五级旋风式预热器、DDF分解炉、第三代改进型冷却机、变频多传动水泥立磨、无托盘全自动包装码垛及覆膜机、全自动取样系统等，是阿尔及利亚工艺最先进、最环保和自动化程度最高的水泥生产线。

施工工法创新

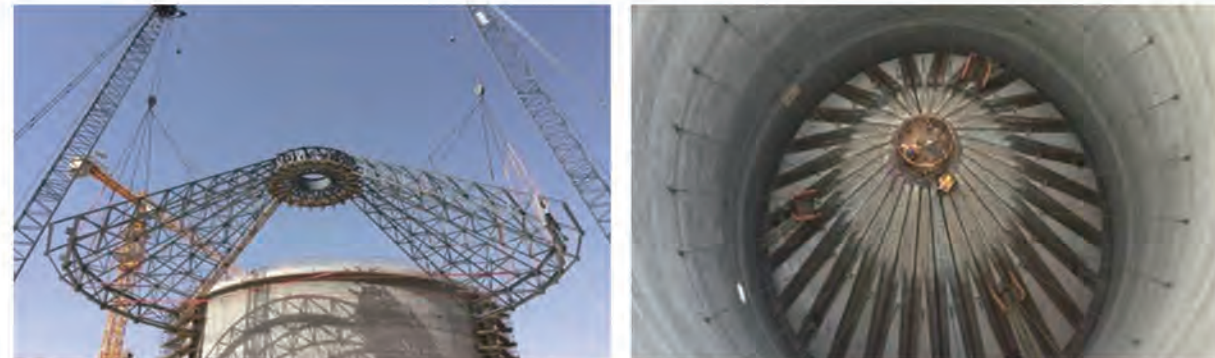
中材建设承建的阿尔及利亚BISKRA项目，预热器安装通过进度管理创新，仅用时94天完成结构封顶，创造了高端业主进度新记录；新型三脚架倒模施工成本低、工期短、质量好、安全性高；小型基础、电缆井等预制工法既降低了成本，又解决了现场狭小难题。一系列的施工创新促进了项目安全、质量、工期和成本管理水平的提升。

Highlights of project management

In Algeria BISKRA project undertaken by CBMI, all the processing lines were integrated, and the production process and equipment technically leading in the industry throughout the world by now were provided, including on-line raw material analyzer, double-series low pressure loss five-stage cyclone preheater, DDF decomposing furnace, third-generation improved cooler, variable-frequency multi-drive vertical roller mill, tray-free full-auto packaging, stacking and film laminating machine, and full-auto sampling system. It is a cement production line with the most advanced process, highest level of environmental protection, and highest degree of automation in Algeria.

Innovation of construction method

In Algeria BISKRA project undertaken by CBMI, through progress management innovation of preheater installation, it only took 94 days to complete the structure construction, making a new record of high-end employer progress; new tripod reverse formwork construction was featured by low construction cost, short construction period, good quality, and high safety; the prefabricated construction method of small foundation and electric cable well reduced the cost and also solved the problem of narrow field space. A series of construction innovation promoted the improvement of project safety, quality, construction period, and cost management levels.



中国建材赞比亚工业园水泥项目生料库预制锥体施工

Prefabricated cone construction for raw material silo in cement project of Zambia industrial park of CNBM



中材建设阿尔及利亚BISKRA项目

Algerian BISKRA Project of CBMI

确保服务质量

Ensure the service quality

加强项目履约

2018年，中材建设全面推进项目进度、质量、安全、成本、风险等关键环节管理，实施规范化、标准化、精细化、动态化管理，形成了以KPI指标和毛利率管理为主线，具有公司特色的EPC管控模式，坚持以项目为中心，以客户为导向，大处着眼、小处着手，坚定不移抓好项目履约，真正实现了“业主满意、公司满意、员工满意”的品牌价值。

2018年，中材建设全年在建项目28个，其中国外26个，国内2个，成功顺利点火投料项目6个——阿尔及利亚BC2×6000TPD项目、南非PPC项目、肯尼亚NAI粉磨站项目、乌干达TOR粉磨站项目、尼日利亚SOKOTO项目、中国建材赞比亚工业园水泥项目，取得PAC证书项目4个——肯尼亚NAI粉磨站项目、乌干达TOR粉磨站项目、尼日利亚SOKOTO项目、中国建材赞比亚工业园水泥项目，取得FAC证书项目3个——尼日利亚UNICEM项目、阿尔及利亚BISKRA项目、叙利亚ABC项目。2018年7月，BISKRA项目荣获国家优质工程奖（境外），系集团所属企业首次获此殊荣。项目的成功履约为公司深耕区域市场和塑造品牌奠定了良好的基础。

Strengthen the project performance

In 2018, CBMI comprehensively promoted the management over key links like project progress, quality, safety, cost and risk, carried out normalized, standardized, fine and dynamic management, formed the EPC management control model with the characteristics of the Company which takes KPI index and gross profit management as principal line, and insisted on project centering, and customer orientation, to do well in project performance unwaveringly based on the principle of "make the whole into consideration, but do the job bit by bit", so as to really realize the brand value of "satisfying the Employer, the Company and Employees".

In 2018, CBMI had 28 projects under construction all year round, including 26 at abroad and 2 at home, in which, 6 projects were put into operation successfully: Algeria BC2×6000TPD project, South Africa PPC project, Kenya NAI grinding station project, Uganda TOR grinding station project, Nigeria SOKOTO project, and Zambia industrial park cement project of CNBM; 4 projects got PAC certificates: Kenya NAI grinding station project, Uganda TOR grinding station project, Nigeria SOKOTO project, and Zambia industrial park cement project of CNBM; 3 projects got FAC certificates: Nigeria UNICEM project, Algeria BISKRA project, and Syria ABC project. In July 2018, BISKRA project won the national high-quality project award (overseas), which was the first time to get such honor by an enterprise subordinate to the Group. The successful project performance laid a good foundation for the Company to deeply develop the regional market and build the brand.



中材建设赞比亚工业园项目全景

Full view of Zambia industrial park project of CNBM

创新引领发展 增强发展动力

Lead development through innovation and enhance the driving force for development

保证工程质量

中材建设承建的中国建材赞比亚工业园水泥项目位于赞比亚首都卢萨卡，该条2500t/d水泥熟料生产线采用中国标准和规范设计和施工，在设备选型上选用了信誉良好、产品质量优、价格合理、有良好业绩、服务好的厂家设备。在设计和施工中处处体现了用户至上的原则，强化节能、节材设计，为业主实现最大的经济效益提供保障。在工艺先进、布置合理的前提下尽可能的降低工程的投资，以最小的投资获取最大的经济效益。

Guarantee the construction quality

Zambia industrial park cement project of CNBM undertaken by CBMI is located in Lusaka, the capital of Zambia. This 2500t/d cement clinker production line was designed and constructed according to Chinese standards and specifications, and it used the equipment from a manufacturer with a good reputation, excellent product quality, reasonable price, good performance and good service. In design and construction, the principle of "user first" was reflected everywhere, and energy conservation and material saving design was strengthened, to provide a guarantee for the Employer to realize the maximum economic benefits. Project investment was reduced as much as possible under the precondition of advanced process and reasonable arrangement, to get the maximum economic benefits with the minimum investments.



中国建材赞比亚工业园项目点火仪式

Lighting ceremony of Zambia industrial park project of CNBM

强化安全管理 护航生产经营

Strengthen safety management and provide protection for production and operation

2018年，中材建设始终坚持“安全第一、预防为主、综合治理”的方针，把安全生产工作摆在首位，把落实安全责任作为安全生产管理的主要抓手，把提升安全生产管理水平作为安全生产基础工作常抓不懈，实现了良好的安全绩效，公司全年整体安全形势平稳。

规范安全设施配置

与公司所属47个部门和单位签订了2018年度安全生产责任书，签订覆盖率100%，定期与项目部召开安全责任履职约谈会，强化责任意识，确保公司安全生产形势稳定。

In 2018, CBMI, always following the policy of "safety first, prevention foremost and comprehensive treatment", put the work safety at the first place, took the implementation of safety responsibility as the main control of work safety management, and took the improvement of safe production management level as the basic work of work safety unremittingly, therefore, the Company has realized a good safety performance and a stable overall situation of safety throughout the year.

Strengthen the implementation of safety responsibility

The Company signed the statement of responsibility for work safety of 2018 with 47 subordinate departments and units, with the coverage of signing up to 100%, and also regularly held the meeting on performance of safety responsibility with Project Department, to strengthen the consciousness of responsibility, and further guarantee a stable situation of work safety of the Company.



中材建设领导与各单位负责人签订2018年安全生产责任书
CBMI's leaders signed the safety agreement of 2018 with the head of each unit



中材建设2018年安全工作会议
Safety work conference of CBMI 2018

强化安全管理 护航生产经营

Strengthen safety management and provide protection for production and operation

规范安全设施配置

通过编制《安全标准化设施图集》、《安全生产费用统计办法》、《安全投入明细》、《安全设施及防护用品配备标准》以及《安全物资采购流程》，加快项目安全管理标准化建设进程；

开展对标专项工作

与国内4家央企进行外部对标，对照标杆，整改问题，查漏补缺，努力实现全公司安全管理提档升级；

引入第三方审计评估

对赞比亚水泥和阿尔及利ZAHANA项目安全管理进行了审计评估，针对不符合项提出短期、中期、长期改进措施及方案，进一步提升公司安全管理水平；

深入组织开展《安全专项培训课件》大比武活动

2018年，中材建设深入组织开展《安全专项培训课件》大比武活动，培育安全文化，分享安全管理经验。

Standardize the configuration of safety facilities

The Company accelerated the progress of project safety management standardization construction by compiling Atlas of Safety Standardization Facilities, Measures for Statistics of Production Safety Expenses, Safety Input Details, Safety Facilities and Protective Equipment Allocation Standard, and Safety Materials Procurement Process.

Develop the special benchmarking work

The Company conducted external benchmarking with 4 central enterprises at home, to rectify the problems and make up the leakages and deficiencies according to their benchmarks, so as to try to realize the safety management improvement of the whole Company.

Introduce the third-party audit evaluation

The Company conducted audit evaluation to the safety management of Zambia cement project and Algeria ZAHANA project, and put forward the short-term, medium-term and long-term improvement measures and schemes for the nonconforming items, so as to further improve the safety management level of the Company;

Deeply organize to develop the competition activity of Special Training Courseware for Safety.

In 2018, CBMI deeply organized to develop the competition activity of Special Training Courseware for Safety, in order to cultivate the safety culture and share the experience of safety management.



中材建设组织召开项目经理安全责任履职约谈会
CBMI organized to hold the meeting on performance of safety responsibility of project manager



中材建设第三方机构安全审计报告发布
Issued of third-party safety audit report of CBMI



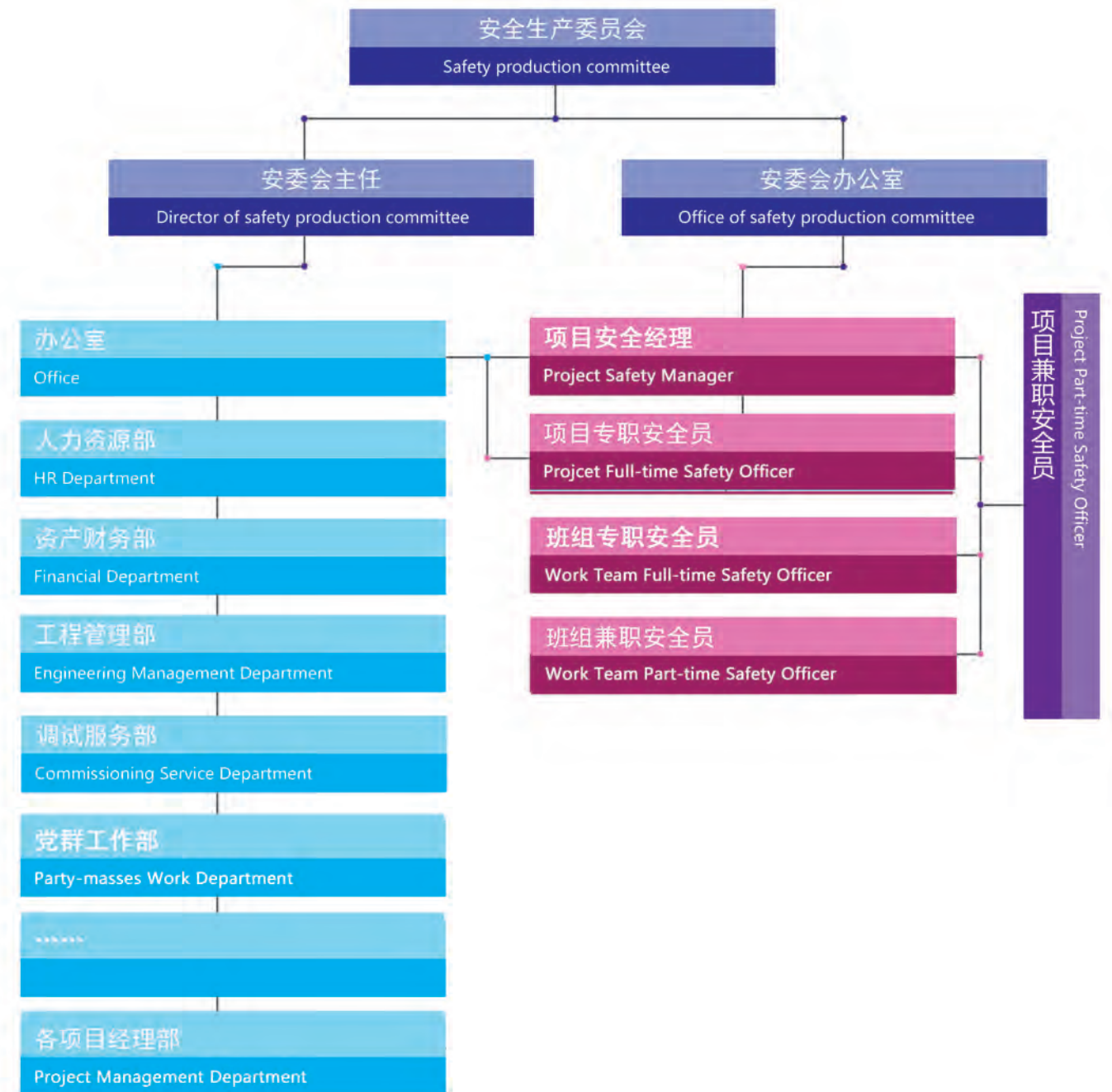
中材建设阿尔及利亚油脂制取项目召开
2018年度安全生产表彰大会
Annual work safety commendation conference 2018 of
Algeria grease making project of CBMI



中材建设阿尔及利亚BECHAR项目召开
2018年度安全表彰大会
Annual safety commendation conference 2018 of Algeria
BECHAR project of CBMI

中材建设安全生产管理组织机构图

Management Operation



强化安全管理 护航生产经营

Strengthen safety management and provide protection for production and operation

安全生产实例

Examples of work safety

中材建设尼日利亚EDO项目部，是公司业务类型最全的项目，包括项目施工建设、水泥工厂运营、矿山开采。尼日利亚EDO项目作为公司2018年的安全管理标杆项目，项目部安全管理组织有序、配置了安全标准化设备设施、建立了完善的安保系统和疟疾防治机制，克服了所在国恶劣的自然环境、社会环境，安全绩效卓越，实现了累计860万安全工时和“0死亡、0重伤、0重大设备事故”的安全管理目标，推动了公司项目安全管理的创新，促进了公司安全管理水平的提升。

CBMI's Nigeria EDO project is a project with the most complete business types of the Company, including project construction, cement plant operation and mining. Nigeria EDO project was a benchmarking project of safety management of the Company in 2018, and its project department organized the safety management work orderly, allocated the safety standardization equipment and facilities, established the perfect security system and malaria control mechanism, overcome the problems of local bad natural environment and social environment, and achieved an outstanding safety performance. This project accumulatively realized 8.6million safe working hours and the safety management objectives of "zero death, zero serious injury, and zero major equipment accident", which promoted the innovation in project safety management and drove the improvement of safety management level of the Company.



中材建设2018年安全生产月启动仪式
Launching ceremony of Work Safety Month activity 2018 of CBMI



中材建设尼日利亚EDO二线项目安全月总结大会
Summary conference of Safety Month of Nigeria EDO second-line project of CBMI



中材建设2018年安全生产月启动仪式
Launching ceremony of Work Safety Month activity 2018 of CBMI

倡导节能环保 共建绿色生态

Advocate energy saving, environmental friendliness and build a green ecology jointly

拓展节能环保业务

Expand the energy conservation and environmental protection business

2018年，中材建设重点围绕三星集团、沈阳铝镁院等主要客户，阿尔及利亚、俄罗斯、东帝汶、尼日利亚、赞比亚等重点区域，氧化铝、危险废弃物处置等重点领域进行项目拓展。全年共跟踪项目28个，签订洪泽蓝天化工科技有限公司焚烧系统二次项目、厦门艾思欧标准砂有限公司技改项目、马来西亚怡保污水处理项目、去氧和曝气池项目、沙特SCPC67万吨/年石油焦煅烧项目等9个项目，签约合同金额超10亿元人民币。

In 2018, CBMI expanded the project focusing on the major clients like Samsung Group and Shenyang Aluminum & Magnesium Engineering & Research Institute, the key regions including Algeria, Russia, East Timor, Nigeria, and Zambia, and the key fields of aluminum oxide and hazardous waste disposal. 28 projects were tracked all year round, and the Company signed 9 contracts for secondary project of incineration system of Hongze Lantian Chemical Technology Co., Ltd., technical reform project of Xiamen ISO Standard Sand Co., Ltd., Malaysia Ipoh sewage treatment project, deoxidation and aeration tank project, Saudi Arabia SCPC670, 000t/y petroleum coke calcination project, with a total contract amount of more than RMB1billion.



中材建设业务拓展人员与客户洽谈
CBMI's business development personnel were talking with customers

倡导节能环保 共建绿色生态

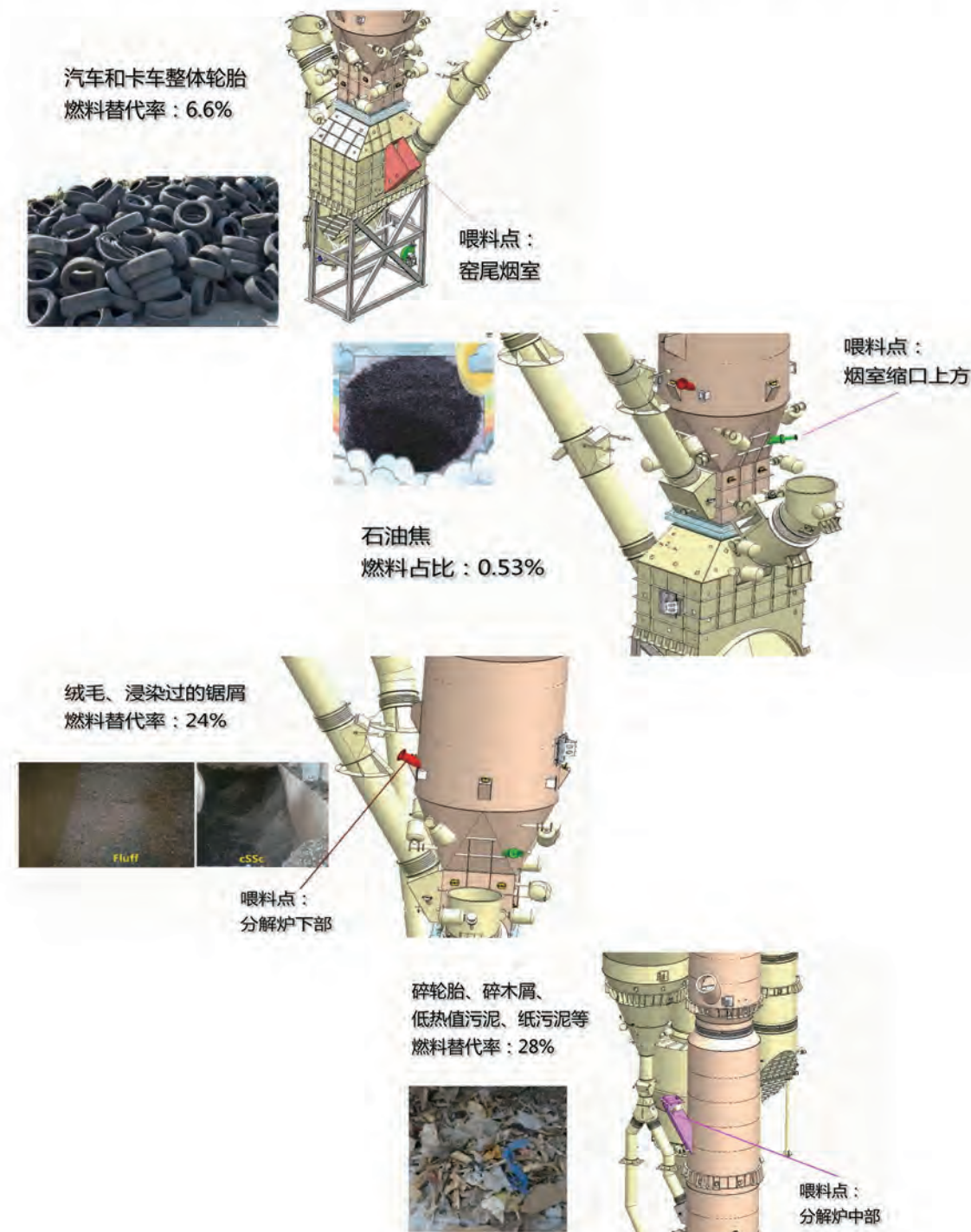
Advocate energy saving, environmental friendliness and build a green ecology jointly

研发节能环保技术

Research and development of energy conservation and environmental protection technology

中材建设组织专家团队对法国项目新型分解炉进行研发和攻关，在节能环保方面取得了新的突破，并获得拉豪专家团队的认可。

CBMI organized the expert team to conduct research & development and problem tackling to new decomposing furnace in French project, which made a new breakthrough in energy conservation and environmental friendliness, and won the recognition from expert team of Lafarge Holcim.



中材建设承建的阿尔及利亚BIKSRA项目，其关键技术及科技进步如下：

- 1、双系列低压损五级旋风式预热器和DDF分解炉**
此项技术和设备由中材建设自主研发生产，创造了燃烧区下部局部高温区，分解炉中部局部温度可达1300°C，可保证替代燃料的充分燃烧，对原燃料适应性强、易于操作。
- 2、新研发的变频多传动水泥立磨**
磨盘直径6.7m，五台变频电机驱动，电耗低、运行稳定，OPC水泥最大产能340t/h，是目前全球产量最大的水泥磨。
- 3、多仓水泥库新技术**
库体直径22m，内设5个子库，有效储量25600t，相比传统分体库占地小，能耗低，节约投资超过1500万元。
- 4、新型三脚架倒模施工工法**
项目部组织技术攻关创造的三脚架倒模施工新工法比传统翻模快一倍，规避了大直径熟料库滑模质量风险，解决了业主提出的60m直径熟料库赶工诉求。

The key technology and scientific and technological progress of Algeria BIKSRA project undertaken by CBMI are shown as follows:

- 1. Double-series low pressure loss five-stage cyclone preheater and DDF decomposing furnace**
Such technology and equipment are developed and produced by CBMI, a local high temperature area in the lower part of combustion zone is created, with the local temperature in the middle of decomposing furnace up to 1300°C, which can guarantee the sufficient burning of alternative fuel, has a strong adaptability to crude fuel, and is easy to operate.
- 2. Newly-developed variable-frequency multi-drive vertical roller mill**
With a diameter of 6.7m, the millstone is driven by 5 variable frequency motor, which is featured by low power consumption and stable operation. With the maximum cement yield of 340t/h, OPC is now the cement grinding mill with the maximum yield in the world.
- 3. New technology of multi-bin cement silo**
The diameter of the silo is 22m with 5 sub-silos inside and its effective reserve is 25,600t. Compared with the traditional split silo, it is small footprint and low energy consumption. It can save an investment of more than RMB15million.
- 4. New tripod reverse mould construction method**
The new tripod reverse mould construction method created by Project Department through technological breakthrough is two times faster than the traditional mould rolling method, which avoids the slip form quality risk of large-diameter clinker silo, and solves the appeal for 60m-diameter clinker silo put forward by the Employer.



中材建设阿尔及利亚BIKSRA项目水泥调配站入料
Cement mixing station feeding in Algeria BIKSRA project of CBMI



中材建设阿尔及利亚BIKSRA项目点火成功，全体员工合影
Successful Ignition of Algeria BIKSRA project of CBMI, and group photo of all the staff

倡导节能环保 共建绿色生态

Management Operation

环保生产实例

Examples of environmentally-friendly production

(一) 阿尔及利亚BISKRA项目

中材建设承建的阿尔及利亚BISKRA项目，先后荣获全国建材行业优质工程奖、优秀工程设计奖、优秀工程总承包项目一等奖和国家优质工程奖（境外工程），其节能环保措施与成效如下：

1、利用原料磨的富余产能提升水泥磨产量

利用原料磨富余产能生产石灰石粉经中转库转子秤精确计量后，以气力输送方式添加到水泥磨选粉机中，将OPC1水泥产量最高提升至508t/h，增产节能降耗效果明显。

2、窑头废气利用

水泥磨系统与窑头收尘器相邻并排布置，共用排放烟囱，窑头废气引入水泥磨发挥物料烘干作用，减少热风炉供热，废气能源得到有效利用。

3、埋地式污水处理和雨水收集系统

以生物接触氧化为主要处理工艺，全面收集生活污水，处理后消毒排放到雨水池。5千方雨水池全面覆盖雨季的降雨量，沉淀后的雨水用于绿化、道路降尘和工业补水，达到了重复利用的环保目的。

4、排放

工厂粉尘排放实测浓度低于10mg/Nm³（读：毫克每标立），夜间厂界实测噪音最大值低于58分贝，氮氧化物最大排放值608mg/Nm³，达到了国际先进水平。

(I)Algeria BISKRA project

Algeria BISKRA project undertaken by CBMI has won the National High-quality Engineering Award in building materials industry, Excellent Project Design Award, first prize for Excellent Project Contracting, and National Quality Project Award (overseas projects), and its energy saving and environmental protection measures and effects are shown as below:

1. Improvement of cement mill yield by utilizing the surplus capacity of raw grinding mill.

The limestone powder produced by use of the excess capacity of raw material grinding mill is accurately measured by transit store rotary weigher is added to cement mill separator in the way of pneumatic transmission, to increase the OPC1 cement yield to 508t/h at maximum, with an obvious effect of production increase, energy saving and consumption reduction.

be utilized effectively.

2. Kiln exhausts gas utilization

Cement mill system and kiln outlet dust collector are arranged side by side, and they share the blowdown stack. The kiln outlet exhausts gas is introduced into cement mill to develop the role of material drying and reduce the heat supply of hot gas generator, so that the exhaust gas can be utilized effectively.

3. Buried sewage treatment and rainwater collection system

With bio-contact oxidation as main treatment process, domestic sewage is collected comprehensively and discharged to stormwater tank after disinfection treatment. 5,000m³ storm water tank can fully cover the precipitation in rainy season, and the precipitated rainwater is used for greening, road dust reduction and industrial water replenishing, reaching the environmental protection purpose of recycling

4. Emission

The measured concentration of dust emission in the plant is lower than 10mg/Nm³ (mg per standard cubic meter), the maximum noise measured at night is lower than 58 db, and the maximum emission of nitrogen oxides is 608mg/Nm³, which has reached the international advanced level.



中材建设阿尔及利亚BISKRA项目施工建设
Algeria BISKRA project construction of CBMI

(二) 中国建材赞比亚工业园水泥项目

中国建材赞比亚工业园100万吨/年水泥熟料生产线EPC总承包项目（简称中国建材赞比亚工业园水泥项目），采用中国标准和规范为设计与施工基准，并结合业主的技术要求，主要工艺过程的关键技术采用中材建设拥有的目前在行业内最先进的水泥干法生产技术，核心设备采用了中国建材集团及国际上最新设计的技术装备。

中国建材赞比亚工业园水泥项目实现了预期的设计目标。从实际生产的结果看，各项技术经济指标均达到或超过了设定的设计指标：真正做到了低阻耗、高效率，系统平均生产能力长期稳定在2500t/d以上，各项指标均达到了同规模的先进水平。系统运行稳定、可靠，达标达产快。

中国建材赞比亚工业园水泥项目生产线环保设施运行良好，各项污染物排放指标均达到了设计要求。

窑头袋收尘排放浓度：10mg/Nm³（设计标准为≤30mg/Nm³）

窑尾袋收尘排放浓度：10mg/Nm³（设计标准为≤30mg/Nm³）

熟料烧成平均热耗低于775kJ/kg.CI

主体结构安全可靠，沉降已稳定，无渗、漏、裂现象；设备安装规范，运行平稳，运营效果良好。

(II) Zambia industrial park cement project of CNBM

In the 1000,000t/y cement clinker production line EPC contracting project of Zambia industrial park of CNBM ("Zambia industrial park cement project of CNBM" for short), Chinese standards and specifications are adopted as design and construction criteria in combination with the Employer's technical requirements. The key technology of main process is the most advanced cement dry method production technology in the industry that is currently owned by CBMI and the core equipment is the technical equipment of the latest design of CNBM and in the world.

Zambia industrial park cement project of CNBM has realized the expected design objectives. From the result of practical production, various technical and economic indicators have all reached or exceeded the set design indexes: low resistance loss and high efficiency have been realized really, the average production capacity of system has been stabilized above 2,500t/d for a long term, and the various indexes have all reached the advanced level of the same scale. The system has run stably and reliably, and reached the standards and designed targets rapidly.

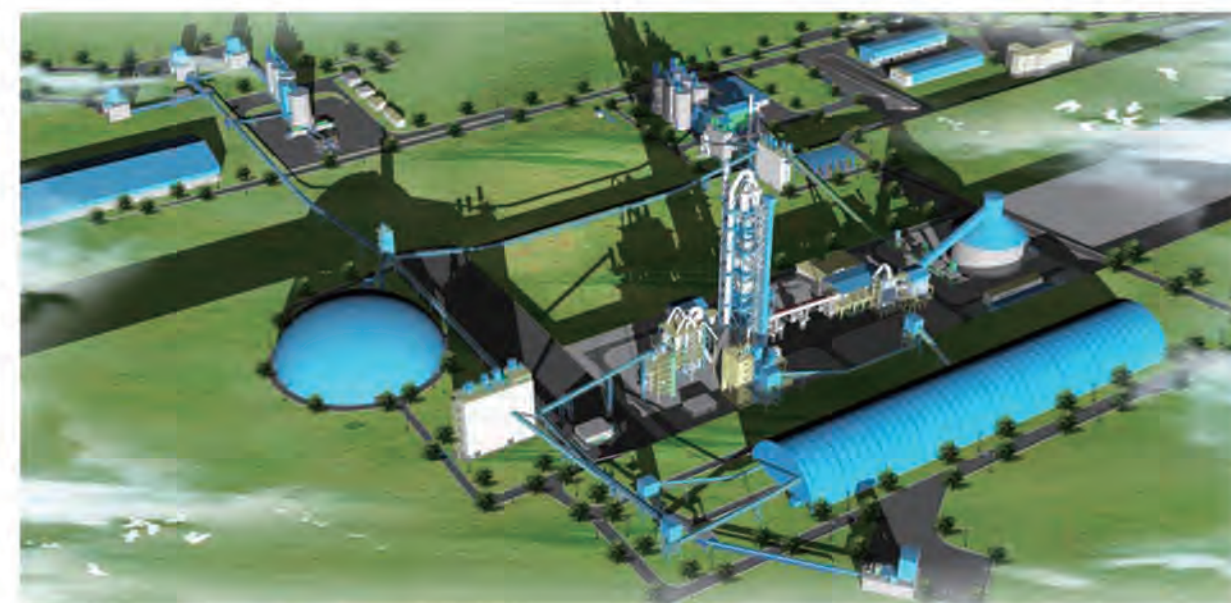
The environmental protection facilities of production line in Zambia industrial park cement project of CNBM have run well, and all pollutant emission indicators have reached the design requirements.

Kiln outlet bag dust emission concentration: 10mg/Nm³ (design standard ≤30mg/Nm³)

Kiln inlet bag dust emission concentration: 10 mg/Nm³ (design standard ≤30mg/Nm³)

Average heat consumption of clinker burning is lower than 775 kJ/kg.CI

The main structure is safe and reliable, and settling has stabilized, no seepage, leakage, and cracking; equipment installation is standard and operation is stable, with a good operation effect.



中国建材赞比亚工业园项目效果图
Design sketch of Zambia industrial park project of CNBM

关爱员工利益 共创和谐企业

Care employees' interests and create a harmonious enterprise jointly

2018年，中材建设坚持“德才兼备、以德为先”用人导向，通过搭建平台、构建和谐环境，着力打造一支爱岗敬业、听从指挥、能打胜仗、勇于奉献、敢于创新的高素质队伍。

尊重保护员工权益

截至2018年底，中材建设拥有员工1183人，大专以上学历有741人，占公司总人数的63%；拥有科研人员225名，占公司总人数的19.6%；2017年公司新增员工6人，其中录用大中专毕业生4人，社会引进2人。

2018年，中材建设组织召开两次职工代表会议，表决通过了对涉及职工切身利益的大龄职工内部退岗制度、职工考勤制度、企业年金调整等事项。

组织实施培训

2018年，中材建设组织实施培训36项。通过开展年度培训，新员工特训及专题培训班等方式，加强人才培养。为想干事、能干事、干成事的员工搭建发展舞台。

开展“善建公益”基金募捐活动

2018年，按照集团的安排部署，中材建设积极开展“善建公益”基金募捐活动，852名员工（含36名外聘临时工和1名国际友人）参加了募捐。

做好爱心互助活动

2018年，中材建设“爱心基金会”新入会会员47人，为符合救助条件的10名职工或家属发放爱心基金。这项“暖心工程”切实为公司广大职工筑起抵御风险的保障线，撑起遮风挡雨的保护伞，建起温暖幸福的“家园”，实现公司帮扶工作长效化、常态化。

In 2018, CBMI insisted on the personnel selection guidance of "combination of ability and character, and morality first", to make efforts to make a high-quality team devoting wholeheartedly to work, following commands, being able to win more battles, being dedicated, and daring to innovate by setting up a platform and building a harmonious environment.

Respect and protect the employee rights and benefits

As of the end of 2018, CBMI possessed 1183 employees, including 741 with college degree or above, accounting for 63% of total employees of the Company, and 225 scientific research personnel, accounting for 19.6% of total employees of the Company. In 2017, there were 6 new employees joining in the Company, including 4 college graduates and 2 personnel from the society.

In 2018, CBMI organized and hold twice workers congress, voting to pass the matters involving the vital interests of employees, including internal retirement system of older workers, employee attendance system, and adjustment of enterprise annuity.

Organize the training development

In 2018, CBMI organized to implement 36 trainings, and it strengthened the talent cultivation through development of annual training, special training for new employees, and special training courses, to build a stage of development for the employees wanting to do something, being able to do something, and achieving something.

Develop "Shanjian Charity" fund donation activity

In 2018, according to the arrangement and deployment of the Group, CBMI actively developed the "Shanjian Charity" fund donation activity, and 852 employees (including 36 temporary workers and 1 foreign friend) took part in the donation.

Do well in the "love and mutual assistance" activity

In 2018, 47 new members joined the "Charity Foundation" of CBMI, and distributed the charity funds to 10 employees or families satisfying the rescue conditions. This "warmhearted project" practically built a security line for broad employees to resist the risks, opened a protective umbrella for them, and built a warm and happy "homeland", to realize the long-term and normalized help and support work of the Company.



中材建设组织开展“善建公益”基金募捐活动

CBMI organized to develop the "Shanjian Charity" fund donation activity.



中材建设参加亦庄开发区“博大杯”职工篮球联赛

CBMI attended the "Boda Cup" staff basketball game of Yizhuang Development Zone.

开展“送温暖”活动

2018年，中材建设对6名去世职工家属、生病住院职工进行慰问；为17名职工遗属发放生活救济金；为34名患大病、常年生病生活不能自理、工伤、生活困难等职工及老职工遗属发放困难补助。

健全职工互助保障体系

2018年，中材建设关心职工健康，继续为全体在职职工、退休职工办理了平安住院安心保险和补充医疗保险，生病职工的正常医药费基本上全部能够报销，减轻了生病职工的经济负担，并组织在职职工、退休职工进行健康体检。

解决职工实际困难

2018年，中材建设共完成24名职工子女的天津转学工作，全部转入天津市重点中小学。解决了这些职工户口转天津后子女上学的后顾之忧。

开展职工体质监测活动

2018年，中材建设为使职工能够了解自己的体质健康情况以进行适合的体育锻炼，组织开展了职工体质监测活动，北京总部200多人进行体质监测。

丰富员工业余生活

为满足公司职工日益增长的精神文化需要，增进团队情感、增强职工队伍体魄，营造健康向上的文化氛围，凝聚企业精神，促进企业文化建设，使广大职工以饱满的热情投入公司的各项工作，公司开展了别具特色的职工文体娱乐活动。

Perfect the employees' mutual assistance system

In 2018, CBMI cared the employee health and continued to cover the Ping An hospital insurance and supplementary medical insurance for all in-service employees and retired employees. The normal medical expenses of the sick employees basically could be reimbursed totally, easing the financial burden of sick employees, and moreover, the in-service employees and retired employees were organized to receive health examination.

Solve the practical difficulties for the employees

In 2018, CBMI completed the school change work of 20 children of employees in Tianjin, helping to solve the worries about their children's study in Tianjin after these employees had their registered permanent residences changed.

Develop the employee health monitoring activity

In 2018, in order to help the employees to know well their own health situation and to take appropriate physical exercise CBMI organized to develop the employee health monitoring activity, and more than 200 personnel from the Head Office in Beijing received the health monitoring.

Enrich the sparetime life of employees

In 2018, CBMI carried out distinctive culture recreational activities so as to satisfy the employees' increasingly growing spiritual and cultural needs, increasing the group affection, enhancing the health of staff team, creating the healthy and upward cultural atmosphere, condensing the enterprise spirits, promoting the enterprise culture construction, and making the broad employees to devote to the various work of the Company with great enthusiasm.

Develop "heart-warming" activity

In 2018, CBMI condoled the 6 families of deceased employees and the sick and hospitalized employees; distributed life relief funds to 17 family members of the deceased employees; and distributed hardship grants to 34 employees being unable to take care of themselves in life for serious illness, getting injured at work, living a life of hardship as well as the family dependants of the deceased old employees.



中材建设组织“健康徒步走”活动

CBMI's organizational "healthy walking" activities



中材建设改革创新主题演讲比赛

Reform and Innovation Theme Speech Competition of CBMI

加强社区交流 共建社会关系

Strengthen community communication and build a social relation jointly

改善当地生活环境

2018年，中材建设阿尔及利亚BECHAR项目部为改善业主SSC公司办公室环境，将其办公室外围路面进行硬化，深得业主和相关合作单位赞赏。

2018年，中材建设阿尔及利亚油脂制取项目开展环保公益活动。

2018年，中材建设SOKOTO项目部积极参与社会慈善事业活动，如为项目周边提供水源并定期检查供水情况、邀请当地青年协会学生参观厂区等。

Improve the local living environment

In 2018, Algeria BECHAR project department of CBMI hardened the road surface around the owner's office for the purpose of improving the working environment of the Employer SSC Company, which was highly praised by the Employer and the related cooperators.

In 2018, Algeria grease making project of CBMI developed the public benefit activities for environmental protection.

In 2018, SOKOTO project department of CBMI actively participated in the social charity activities, for example, providing water to the places around the project and regularly checking the water supply conditions, and inviting the local youth association students to visit the plant area, etc.



为业主SSC公司修路
Building a road for the Owner SSC



开展海滩环保公益活动
Carrying out the beach environmental protection activities



为项目周边提供水源
Providing water to the places around the project

促进社区经济发展

2018年，中材建设尼日利亚EDO项目部积极参与社会慈善事业活动，如为当地学校募捐资金，用于学校的建设和发展。

2018年，中国建材赞比亚工业园项目部参与社会慈善事业活动，如为当地学校捐赠、修路等。

Promote the community economic development

In 2018, Nigeria EDO project department of CBMI actively participated in the social charity activities, for example, raising money for the local schools, used for the school construction and development;

In 2018, Zambia industrial park project department of CBMI participated in the social charity activities, such as donation to local schools and road building.



为项目所在地爱心捐赠
Caring donation to local residents



参与项目当地社区文化活动
Attend cultural activities held by local community



为项目当地居民捐赠食物
Donating food to the local residents

增进社区文化交流

2018年，中材建设阿尔及利亚BC项目部主动和当地政府、警察局及社区搞好关系，通过邀请当地官员参观项目建设情况，组织开展联谊互动等多种活动加强沟通交流。

2018年，中材建设阿尔及利亚ZAHANA项目部项目部组织项目员工，积极参与在阿中资企业的文化交流活动，社交活动，如地中海集体婚礼等。邀请业主、当地优秀员工等参加安全百万工时表彰大会，邀请业主、监理工程师、当地员工共同举办“中秋歌唱比赛”。

2018年，中材建设阿尔及利亚BECHAR项目部积极组织开展中阿联谊活动，提升了公司在BECHAR当地的知名度。

2018年，中材建设尼日利亚EDO项目部积极与项目所在社区沟通交流，及时了解当地的动态和安全形势，了解当地的政策，以便项目在执行过程中遇到问题及时沟通解决，增加与当地社区的文化交流，在当地传统节日期间，为项目部当地员工发放福利，促进项目部的和谐发展；

2018年，中材建设尼日利亚SOKOTO项目部在穆斯林开斋节等重要节日项目部向当地雇员送去祝福语问候，如赠送牛羊肉、油、米等。既促使当地雇工更好的和国内管理及施工人员和谐相处，也加强了项目部和当地居民的友谊建设。

2018年，中材建设乌干达项目部组织向当地小学生捐献文具和笔记本等活动，共计500名小学生受益。

Enhance the community cultural exchange

In 2018, Algeria BC project department of CBMI actively built good relations with the local government, police station and community, and strengthened communication and exchange with them by inviting the local officers to visit the project construction situation and organizing to develop the fellowship activities.

In 2018, Algeria ZAHANA project department of CBMI organized the project employees to actively take part in the cultural exchange activities and social activities like group wedding in Mediterranean of China-invested enterprises in Algeria, invited the Employer and local excellent employees to attend the commendation conference for 1million safe working hours, and also invited the Employer, supervising engineer and local employees to jointly hold "Mid-Autumn singing contest".

In 2018, Algeria BECHAR project department of CBMI actively organized to develop China- Algeria gala and fellowship activities, to promote the popularity of the Company in BECHAR.

In 2018, Nigeria EDO project department of CBMI actively communicated with the community at the project site, to timely know the local dynamics and safety situation as well as the local policies, so that the problems encountered in the implementation of project could be solved timely, and also the project department increased the cultural exchange with local community, and in the local traditional festivals, it distributed benefits to the local workers, to promote the harmonious development of project department;

In 2018, Nigeria SOKOTO project department of CBMI sent greetings to its local workers at Muslim Lesser Bairam and other important festivals, for example, giving beef and mutton, oil and rice, which promoted the local employees to live with the management and construction personnel from China in harmony, and also strengthened the establishment of friendship between the project department and the local residents.

In 2018, Uganda project department of CBMI organized to donate stationery and notebooks to the local elementary school students, and a total of 500 students were benefited.



与项目当地开展歌唱比赛活动
Singing competition with local residents



与项目当地开展联欢活动
Celebration activities with local residents



为项目当地学生捐赠文具
Stationery donation to local students

探索发展

Explore development



阿尔及利亚公司
CBMI Algeria Company



尼日利亚公司
CBMI Nigeria Company



俄罗斯公司
CBMI Russia Company



赞比亚公司
CBMI Zambia Company



乌干达公司
CBMI Uganda Company



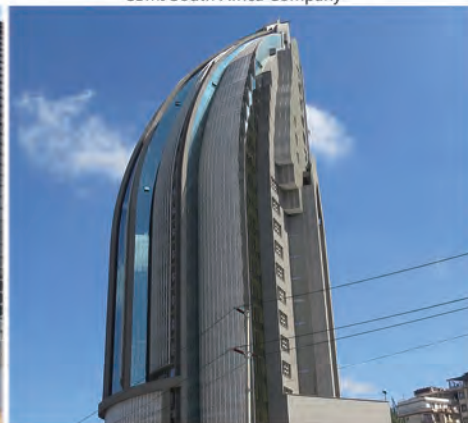
南非公司
CBMI South Africa Company



东帝汶公司
CBMI East Timor Company



马来西亚公司
CBMI Malaysia Company



肯尼亚公司
CBMI Kenya Company

全面推进属地化经营，开篇布局初具规模

Promote localized operation, with an initial scale in opening and layout

2018年是公司启动属地化经营的元年，随着国际市场传统大型项目日益萎缩，市场碎片化日益加剧，公司积极贯彻落实集团国际化目标，选取具有良好市场潜力的项目公司进行适应性的国际化组织变革，就地转型成立12家属地化经营机构，扎根、深耕属地市场，同时形成非亚欧美全球经营布局。各属地化公司按照一国一策，将深耕海外市场重心前移、建设海外运维和服务平台、打造具有造血功能的独立经济体等作为经营思路、原则、定位，构建长期扎根海外的自主发展能力，加快公司国际化战略向深入发展、更高层次发展。

It was the first year for CBMI to start the localized operation in 2018. The Company actively carried out and implemented the internationalization goal of the Group, selected the project company with a promising market potential to develop adaptive internationalization organization reform, transformed 12 localized operation organizations directly, took root in and deeply develop the localized market, and also formed the global business layout in Africa, Asia, Europe and America. Each localized company will, according to "one country, one policy" and based on the idea, principle and positioning of operation: "forwarding the focus to deeply develop the overseas market, establishing overseas platform for operating maintenance and service, and building themselves as an independent economic entity with hematopoietic function", develop the ability of independent development by taking root in overseas market for long term, and accelerate the internationalization strategy of the Company to develop deeply and to a higher level.

属地化经营



发展路径



水泥工程+



全面推进属地化经营，开篇布局初具规模

Promote localized operation, with an initial scale in opening and layout

2018年，中材建设属地化经营能紧跟市场、紧贴客户、紧盯项目，充分利用属地资源，将有效提升公司市场开拓能力、客户服务水平、项目效率效益、业务发展路径。属地化公司将属地化经营与当地资源、发展亟需进行紧密对接，用长期扎根思想进行业务结构的长期规划，实现系统布局、规模经营、集约管理，由“走出去”向“走进去”转变，由“走进去”向“走上去”转变。多家属地化公司相继实现了开门红，属地化经营初显成效。

◆“水泥工程+”增值服务

2018年12月21日，中材建设赞比亚公司签约了拉豪集团恩多拉水泥厂回转窑筒体更换合同，该项目为赞比亚公司开展赞比亚及周边区域水泥维修增值服务打下了良好的基础。

◆多元工程

2018年10月29日，中材建设马来西亚公司中标马来西亚霹靂州怡保污水处理厂项目。此项目属政府投资项目，具有150万人口污水处理能力，项目总投资6亿马币。

2018年11月9日，中材建设乌干达公司与乌干达SIMBA集团签约了TORORO炼油厂合同。该项目投资额约1亿美金，并以此为契与SIMBA集团建立长期合作关系。

2018年12月10日，中材建设尼日利亚公司与意大利B. TABILINI公司签约了阿布贾十二使徒大教堂合同，该项目建成后将成为阿布贾独特的地标性建筑，对后续尼日利亚公司市场开拓将起到良好的示范和广告效应。

2018年12月18日，中材建设阿尔及利亚公司签约了Errayane综合医院合同。该项目是一座以外科为主的综合性医院，对属地化公司多元项目的市场开拓具有重要意义。

In 2018, the localized operation of CBMI could closely keep up with the market, keep close to customers, focus on the projects, and take full advantage of local resources, to effectively improve the Company's market development capability, customer service level, project efficiency and benefit, and business development path. Each localized company combined the localized operation with local resources and development needs closely, made a long-term planning of business structure with the idea of taking root for a long term, realized system layout, scale operation, and intensive management, and transformed from "going out" to "going in" and from "going in" to "going up". Many localized companies made a good beginning in succession, and localized operation showed an initial effect.

◆“Cement engineering+” value-added service

On December 21, 2018, CBMI Zambia Company signed the contract for rotary kiln barrel change of Ndola Cement Plant of Lafarge Holcim. This project laid a good foundation for Zambia Company to develop the cement maintenance value-added service in Zambia and around.

◆ Diversified engineering

On October 29, 2018, CBMI Malaysia Company won the bid for Ipoh Sewage Treatment Plant in Perak, Malaysia. This project is a government-invested project, and has a sewage treatment capacity for a population of 1.5million, with a total investment of MYR0.6billion.

On November 9, 2018, CBMI Uganda Company signed the contract of TORORO Oil Refinery with Uganda SIMBA Group. This project has a total investment of about USD100 million. Taking it as a chance, Uganda Company of CBMI established long-term cooperative relations with SIMBA.

On December 10, 2018, CBMI Nigeria Company signed the contract of Church of the Twelve Apostles in Abuja with B.TABILINI Company from Italy. After this project is completed, it will become a unique landmark building in Abuja, which will play a role of good demonstration and advertising effect to the subsequent market development of Nigeria Company of CBMI.

On December 18, 2018, CBMI Algeria Company signed the contract of Errayane General Hospital. This project is a general hospital focusing on surgery, and it has a great significance on the market development of diversified projects of localized companies.



阿尔及利亚公司签约BISKRA ERRAYANE综合医院项目合同
CBMI Algeria Company signed the Contract of BISKRA ERRAYANE General Hospital Project



马来西亚公司签约怡保污水处理厂项目合同
CBMI Malaysia Company signed the Contract of Ipoh Sewage Treatment Plant Project



赞比亚公司签约拉豪集团恩多拉水泥厂
回转窑筒体更换合同

CBMI Zambia Company signed the Contract for rotary kiln barrel change of Ndola Cement Plant of Lafarge Holcim.



尼日利亚公司签约十二使徒大教堂项目合同

CBMI Nigeria Company signed the Contract of Church of the Twelve Apostles

◆ 产业发展

尼日利亚区域正在稳步推进年产200万平方米金属彩石瓦生产线、500万平方米硅酸钙板生产线项目，通过中国建材集团内部企业间的协同优势，具有很好的示范作用；阿尔及利亚区域与战略客户BISKRA集团通力合作，积极推进年产6000吨钢结构及非标设备加工制造厂、年产1万吨超细玻璃棉项目等实现互利共赢。

◆ Industrial development

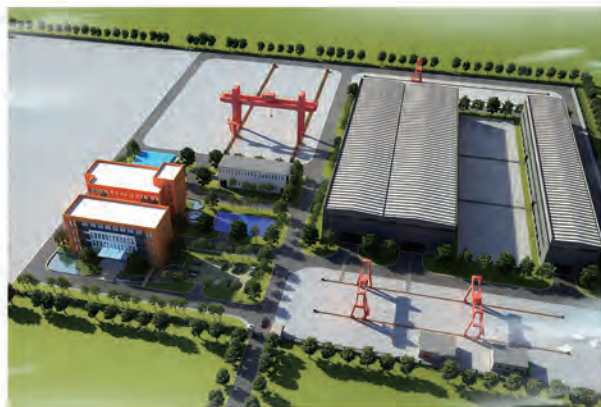
In 2018, in Nigeria region, CBMI pushed forward the 2,000,000m² stone coated metal roofing tile production line project and 5,000,000m² calcium silicate board production line project steadily, which had a good demonstration effect through the collaborative advantages among the enterprises inside CNBM; in Algeria region, CBMI cooperated with its strategic customer BISKRA Group, to actively promote the 6,000t/a steel structure and non-standard equipment processing and manufacturing plant project and 10,000t/a extra-fine glass wool project so as to realize the win-win.



中材建设尼日利亚FABCOM公司厂房
CBMI FABCOM Company's workshop in Nigeria



中材建设尼日利亚500万平方米
硅酸钙板生产线项目
CBMI 5,000,000m² calcium silicate board production line project in Nigeria



中材建设阿尔及利亚6000吨钢结构及
非标设备加工制造厂项目
CBMI 6,000t steel structure and non-standard equipment processing and manufacturing plant project in Algeria



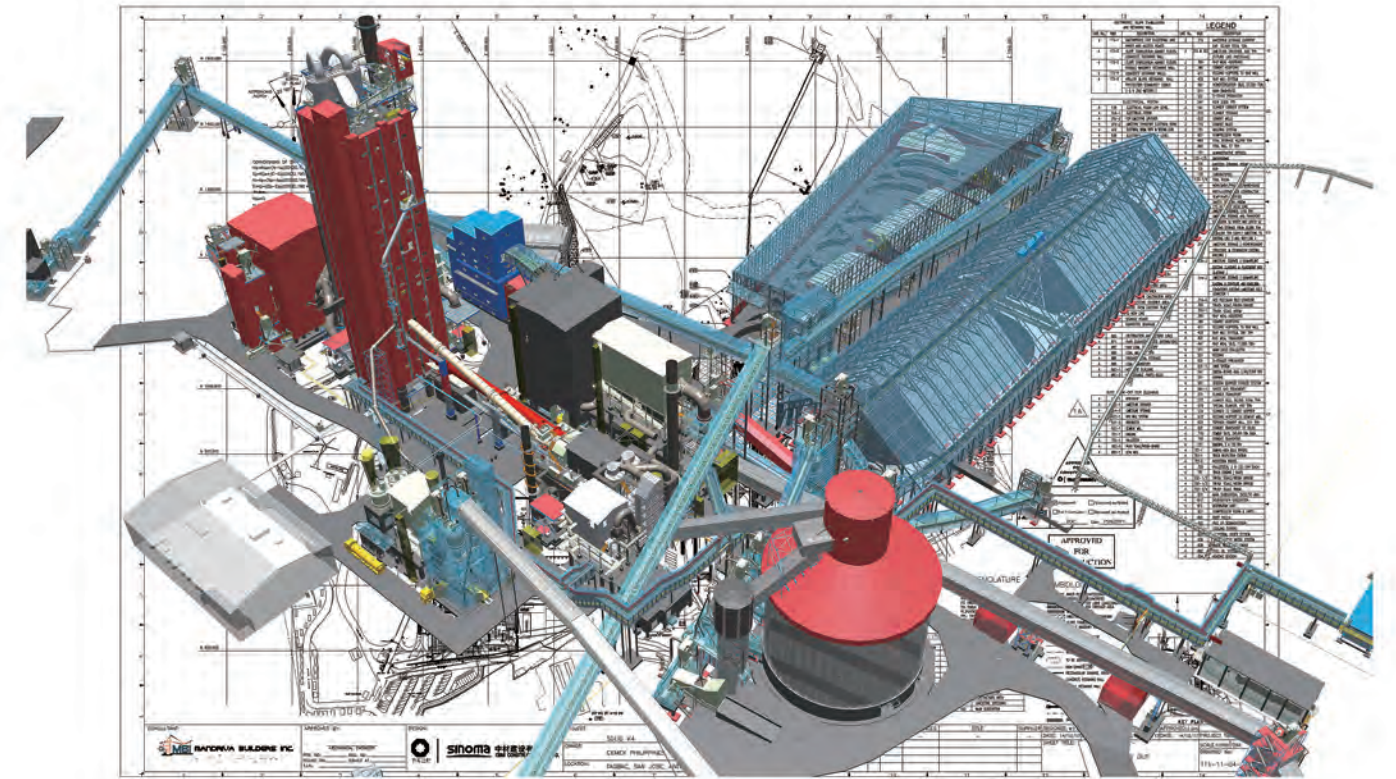
中材建设尼日利亚200万平方米
金属彩石瓦生产线项目
CBMI 2,000,000m² metal quarrying tile production line project in Nigeria

全面推进数字化建设，实现工程全生命周期一体化

Promote digitalization construction comprehensively and realize integration of total project life cycle

2018年，中材建设以数字化方式畅通各作业环节间数据的流通性，呈现数据智能筛选分析、优化大量工程数据、最大限度的提高工程效率、工厂运行效率，减少或避免现有环节线下完成。从完成数字化3D模型、项目实施计划、成本控制、资源配置、材料管理等工程建设系统的一系列数据链接，实现优化实施规划、预测实施风险、精益工程进度与成本。公司将以LH印度项目为载体，实现数字化标书编制；以菲律宾项目为载体，实现高效可视化施工技术与管理与三维方式安全交底在项目建设中的应用；以尼日利亚SOKOTO2项目为载体，实现智慧运营；以尼日利亚SOKOTO3项目为载体，实现全过程数字化设计、设备及材料全生命周期智慧管理和智慧工地；以赞比亚CAC项目为载体，实现项目实施前期风险预测预警，用数字化全过程驱动的工程建造实现全生命周期的一体化。

In 2018, CBMI smoothed the data mobility among different operating procedures, showed the intelligent data screening and analysis, optimized lots of engineering data, and maximized the engineering efficiency and factory operating efficiency, and reduced or avoided the offline completion of many existing links. From completion of a series of data link of digitalized 3D model, project implementation planning, cost control, resource configuration, material management and other construction systems, the Company realized the optimization of implementation planning, prediction of implementation risk, and fine construction progress and cost. The Company will realize the digitalized bid document preparation taking LH India Project as carrier; realize the application of efficient visual construction technology and three-dimensional safety disclosure in project construction taking the Philippines Project as carrier; realize the intelligent operation taking Nigeria SOKOTO2 Project as carrier; realize the full-process digitalized design, equipment and material full-life-cycle intelligent management and construction site taking Nigeria SOKOTO3 project as carrier; and realize the early risk forecasting and early warning of project implementation taking Zambia CAC Project as carrier, to achieve the full life cycle integration with project construction driven by digitalization in the whole process.



中材建设菲律宾SOLID K4项目3D设计图
3D design drawing developed by for SOLID K4 project in the Philippines



责任绩效

Responsibility performance

2018年度关键责任绩效

Key responsibility performance in 2018

2018年，中材建设经营管理栉风沐雨、稳扎稳打，取得了一系列新进展、新成效、新突破，尤其是在市场开拓方面再创历史新高、数字化设计广泛运用推广、转型升级步伐明显加快、运营管理模式不断创新、效率效益不断提升、企业核心竞争力显著增强。

In 2018, CBMI developed stably despite of wind and rain and achieved some new progresses, new achievements, and new breakthroughs, and it reached a new and high record again in market development: broad application and popularization of digitalized design, obviously accelerated transformation and upgrading, continuous innovation of operation management model, growing efficiency and benefit, and significantly increasing core competence of enterprise.

2018年度关键责任绩效

2018 annual key responsibility and performance

经济责任 Economic Responsibility

| 指标名称 Index | 指标值 Index Value |
|--|--------------------|
| 营业收入(亿元) CBMI全资 Business Income (100 million) 纳税总额(亿元) | 36.07 |
| 纳税总额(亿元) Total Taxes (100 million) | 1.44 |
| 国有资产保值增值率(%) Rate of Value of State-owned Assets(%) | 115.51 |
| 净资产收益率(%) ROE(%) | 24.41 |
| 经济增加值(亿元) Economic Value Added (100 million) | 3.48 |
| 毛利率(%) Gross Profit Rate(%) | 20.92 |
| 人均创利税(万元) Profits and Taxes Per Capita (10 thousand yuan) | 48.17 |
| 全年新签合同额(亿元) Amount of Newly Signed Contracts Annually (100 million) | 69.13 |
| 完成出口额(亿美元) Value of Exports (100 million US dollar) | 3.17 |

产品责任 Product Responsibility

| 指标名称 Index | 指标值 Index Value |
|--|--------------------|
| 2018年在建项目数量 Number of Projects in Progress in 2018 | 28 |
| 2018年完工项目数量 Number of Completed Projects in 2018 | 3 |
| 2018年开工项目数量 Number of Projects Started in 2018 | 7 |
| 2018年取得PAC证书数量 Number of Projects Obtaining PAC Certificate in 2018 | 4 |
| 业主综合满意度(%) Overall Satisfaction of Clients(%) | 91 |
| 业主分项满意度(%) Component Satisfaction of Clients(%) | 90 |
| 合同履约率(%) Rate of Contract Execution(%) | 100 |
| 取得经由国家授权的专利(项) Number of Patents Authorized by the State (item) | 12 |
| 截至目前累计拥有专利(项) Number of Patents Granted in 2018 (item) | 48 |
| 技术研发主要成果(项) Number of Technology R&D Achievements (item) | 12 |
| 增加并完善企业标准(项) Number of Enterprise Standards Newly Established and Upgraded (item) | 0 |

2018年度关键责任绩效

2018 annual key responsibility and performance

安全责任

Safety Responsibility

| 指标名称 Index | 指标值 Index Value |
|--|--------------------|
| 安全培训覆盖率 (%) Coverage Rate of Safety Training(%) | 100 |
| 重伤以上事故发生率 (%) Rate of Incidents Causing Serious Injuries or Even Worse(%) | 0 |
| 劳动环境与劳动条件治理后的有害作业场所达标率 (%) Control Rate of Harmful Operating Sites After Treatment in Labor Environment and Labor Conditions(%) | 100 |
| 事故隐患整改完成率 (%) Completion Rate of Potential Dangers Rectification(%) | 100 |
| 特种作业人员持证上岗率 (%) Rate of Employment with Certificates of Special Operation Workers(%) | 100 |

环境责任

Environment Responsibility

| 指标名称 Index | 指标值 Index Value |
|--|--------------------|
| 有毒有害废弃物平均回收率 (%) Rate of The Average Recovery of Hazardous Waste(%) | 99.6 |
| 项目施工噪声超标、投诉次数 The Number of Complaints for Exceeded Noise in Project Construction | 0 |
| 节能减排法规宣传覆盖率 (%) Publicity Rate of Energy-saving and Emission cut(%) | 100 |

员工责任

Employment Responsibility

| 指标名称 Index | 指标值 Index Value |
|---|--------------------|
| 年末员工总数 Total Number of Employees at the End of the Year | 1187 |
| 中层以上管理者中女性员工比例 (%) Rate of Female Middle-level Managers(%) | 4.59 |
| 少数民族员工人数 Minorities Employees | 32 |
| 残疾员工人数 Employees with Disabilities | 5 |
| 员工参与工会组织率 (%) Rate of Employees' Participation in Labor Union(%) | 100 |
| 劳动合同签订率 (%) Rate of Labor Contracts Signing(%) | 100 |
| 社会保险覆盖率 (%) Coverage Rate of Social Insurance(%) | 100 |
| 参保雇主责任险 (人次) Insured Employers' Liability Insurance (person) | 797 |
| - 支付金额 (万元) - Payment Amount (10 thousand yuan) | 50.2 |
| 参保意外伤害险 (人) Insured Accident Insurance (person) | 797 |
| - 支付金额 (万元) - Payment Amount (10 thousand yuan) | 33.5 |
| 年培训总投入 (万元) Total Investment in Training (10 thousand yuan) | 67 |
| 接受体检的员工比例 (%) Percentage of Employees Receiving a Medical Examination(%) | 100 |
| 发生劳动争议人数 Number of Labor Disputes | 2 |
| 普通员工人均收入较上年增长 (%) Ordinary Employees Income Increase over the Previous Year(%) | 22.3 |



管理提升

Management improvement

2019年，中材建设将以习近平新时代中国特色社会主义思想为指导，全面贯彻落实党的十九大、十九届二中、三中全会和集团、中材国际工作会议精神，坚持“稳中求进”总基调和“新发展”理念，坚持推动高质量发展，坚持以供给侧结构性改革为主线，践行集团战略、文化、方针、管理原则、经营措施，努力在改革创新上迈出新步伐，在整合优化上迈出新步伐，在“三精”管理上迈出新步伐，在“一带一路”上迈出新步伐，在党建工作上迈出新步伐，开启公司高质量发展的新篇章，以优异成绩迎接伟大祖国成立70周年。

In 2019, CBMI will, following the guidance of Xi Jinping's ideas of socialism with Chinese characteristics, comprehensively carry out the spirits of national congress of the CPC, second and third plenary sessions of the 19th central committee as well as the work conferences of the Group and Sinoma International, insist on the total tone of "seeking improvement in stability" and the idea of "new development", hold on to promote the high-quality development, adhere to taking the supply-side structure reform as principal line, practice the Group's strategies, culture, guidelines, management principles, and management measures, and make efforts to take new steps in integration and optimization, in "simple organization, delicacy management, and lean operation" management, in implementation of "the Belt and Road", and in Party construction, to open a new chapter of high-quality development of the Company, and welcome the 70th anniversary for founding of our great country.

未来展望

Future outlook

经营发展

Operation and development

2019年是中材建设落实“十三五”战略规划的关键年，也是属地化经营的布局年，主要经营目标：完成营业收入39.3亿元，新签合同额43亿元。中材建设将不折不扣的贯彻落实集团和中材国际工作会议精神和各项决策部署，在稳步全面推进经营、生产、管理、党建等工作的同时，重点抓好以下工作：一是全力以赴抓好市场开拓；二是不遗余力推进属地化经营；三是持续不断优化内部改革；四是坚持不懈强化科技创新；五是持之以恒推进“三精”管理。

It is a key year for CBMI to carry out the "13rd five-year" strategic planning in 2019 and also a year for CBMI to arrange the layout of its localized operation, with the main operation objectives: realized the operating income RMB 3.93billion and achieved new contracts in RMB 4.3billion. CBMI will practically carry out and implement the work conference spirits and various decisions and layouts of the Group and Sinoma International, and while promoting the operation, production, management and Party construction stably and comprehensively, it will focus on the following work: firstly, make efforts to do well in market expansion; secondly, spare no effort to promote the localized operation; thirdly, continue to optimize the internal reform; fourth, strengthen the scientific and technological innovation persistently; and fifth: promote the "simple organization, delicacy management, and lean operation" management perseveringly.

企业社会责任建设

Construction of corporate social responsibility

2019年，中材建设将持续加强企业社会责任建设，以优质高效的项目展示公司的实力和负责任的企业形象。重视属地化经营，提高员工本土化占比。依法纳税，在境外各市场依法纳税。积极参加社会公益活动，在项目所在国等市场捐资捐物。坚持合作共赢，持续加强与联合国全球契约组织的沟通与交流，认真履行作为全球契约组织成员的责任和义务。

In 2019, CBMI will continuously strengthen the construction of corporate social responsibility, and display its strength and image with sense of responsibility with quality and efficient projects. The Company will attach importance to localized operation and improve the proportion of local workers; pay taxes according to law in all overseas markets; actively take part in the social activities for public good, and donate money and materials in the countries and markets where projects are located in; insist cooperative win-win, continuously strengthen the communication and exchange with UN Global Compact, and earnestly fulfill the responsibilities and obligations as a member of UN Global Compact.

报告评价 Report evaluation

作为联合国全球契约组织成员，中材建设有限公司长期坚持将全球契约原则视为企业战略和业务中不可或缺的一部分，其所编制的这份《2018年社会责任报告》（以下简称：《报告》），全面展示了中材建设积极践行全球契约十项原则，认真履行企业社会责任，不断推动企业、经济、环境和社会可持续发展的各项成果。报告按照联合国全球契约组织年度进展报告指南等文件要求编写，充分展示了一家国际化企业积极遵循透明、公开原则，加强与利益相关方沟通的良好意愿。

中材建设有限公司将联合国全球契约组织倡导的“负责任的运营，在可持续发展中寻找机遇”理念与公司“创新、绩效、和谐、责任”核心价值观相结合，坚持“善用资源、服务建设”的发展理念，践行“为当地经济做贡献、与当地企业合作、与当地人民友好相处”三原则，通过服务利益相关方实现自身的可持续发展。

中材建设有限公司在社会责任领域的实践与可持续发展议程倡导的“人类、地球、繁荣、和平、伙伴关系”高度契合。公司注重员职工权益保护，健全职工互助保障体系，不断提升员工的获得感和幸福感；强化安全管理，对标国内外领先企业，为职工提供有保障的生产环境；倡导节能环保，不断提高传统燃料替代料，努力降低碳排和能耗，减少污染，加强资源和能源的循环利用；重视技术创新引领发展，加强科技研发，优化工程实施过程设计，确保提供高质量服务的同时，加强企业履约能力；注重增进与企业所在社区之间的文化交流，改善当地生活环境，促进地区经济发展。特别是，中材建设有限公司在“一带一路”沿线国家的项目，为当地社区可持续发展提供了不绝的动力。

《报告》展示了中材建设有限公司通过对战略与管理全方位的考量，积极践行联合国全球契约十项原则，助推社会可持续发展取得的良好绩效成果。整本报告清晰展示了公司将社会责任和可持续发展理念融入运营管理和工程建设的全过程，是一份充满诚意与利益相关方沟通的优秀社会责任报告。希望作为一家业务遍及全球的国际化公司，未来能够更好结合联合国可持续发展目标要求，开展更多针对性的项目，带动更多利益相关方为联合国可持续发展目标的实现贡献力量，推动全球可持续发展事业取得更大进步。

韩斌
执行秘书长
全球契约中国网络

As a member of UN Global Compact, CBMI has always adhered to taking the principle of global compact as an integral part of corporate strategy and business, and Social Responsibility Report in 2018 (hereinafter referred to as Report) complied by CBMI has comprehensively showed the various achievements made by CBMI, including, actively practicing the 10 principles of global compact, earnestly performing the corporate social responsibility, and continuously promoting the sustainable development of enterprise, economy, environment and society. The Report is compiled according to the annual progress report guideline of UN Global Compact and other documents, and it has fully showed the good will of an international enterprise to actively follow the “transparent and open” principle and strengthen the communication with interested parties.

Combining the idea of “responsible operation, to seek for opportunities in the sustainable development” advocated by UN Global Compact with the core value ideas of “innovation, performance, harmony, and responsibility” of the Company, CBMI insists on the development idea of “making good use of resources to serve the construction”, fulfills the three principles of “making contributions to local economic development, cooperating with local enterprises, and making friends with local people”, to realize its sustainable development by serving the interested parties.

The practice of CBMI in the social responsibility field is highly consistent with the “human beings, earth, prosperity, peace and partnership relations” advocated by sustainable development agenda. The Company has paid attention to the protection of the employees and staff's rights and benefits, and perfected the mutual assistance support system of employees, to continuously improve the sense of gain and the sense of happiness of employees; the Company has strengthened the safety management, and taken the domestically and internationally advanced enterprise as benchmark, to provide the employees with guaranteed production environment; advocated energy conservation and environmental protection, continuously increased the traditional fuel substitutes, and made efforts to reduce carbon emission and energy consumption, and reduced the pollution, to strengthen the recycling of resources and energy; attached importance to leading the development through technical innovation, strengthened the technical research and development, optimized the project implementation process design, and strengthened the enterprise's performance capability while guaranteeing to provide high-quality service; paid attention to enhancing the cultural exchange with the communities where its projects are located, improving the local living environment, and promoting the regional economic development. In particular, the projects of CBMI along the “Belt and Road Initiative” have provided ongoing power for the sustainable development of local communities.

The Report has showed the good achievements made by CBMI while actively practicing the ten principles of United Nations Global Compact and promoting the sustainable development of society through the comprehensive consideration of strategy and management. It has clearly showed that the Company has integrated the social responsibility and sustainable development idea into the operation management and project construction, and it is an excellent social responsibility report to communicate with the interested parties with sincerity. It's expected that, as an international company with businesses throughout the world, CBMI can develop more targeted projects in better combination with the sustainable development objectives of the United Nations in the future, to drive more interested parties to make contributions to the realization of the sustainable development objectives of the United Nations, and promote the global sustainable development to achieve greater progress.

Han Bin
Executive Secretary
Global Compact China Network

意见反馈表

Reader's Feedback Form

非常感谢您阅读《中材建设有限公司2018年度社会责任报告》。为不断提升中材建设社会责任报告的编写质量，更好地披露公司履行社会责任情况，期盼您对本报告提出宝贵意见和建议。请您填写以下问卷并按公司联系方式返回，我们承诺所有信息仅用于分析、改进报告编写工作。感谢您的反馈！

We sincerely appreciate for your reading of the CBMI SOCIAL RESPONSIBILITY REPORT 2018. To constantly boost the quality of the report and to better disclosure our CSR information, we expect comments and advice from you. Please fill out the questionnaire below, and send it back according to the contact information. We promise that all the information will be only used for analysis and improvement of the report.

| 您的基本信息 Basic Information | | | |
|--|--|------------|----------------------|
| 姓名 Name | | 电话 Tel. | 邮箱 E-mail address |
| 工作单位 Employer | | | 职务 Position |
| 您对本报告的评价 Comments | | | |
| <p>请您在相应的“□”内打“√”： Please tick in the appropriate boxes.</p> <p>1. 您对本报告的总体评价是： 1. Your overall evaluation of the report?</p> <p><input type="checkbox"/>很好 Great <input type="checkbox"/>较好 Good <input type="checkbox"/>一般 Moderate <input type="checkbox"/>较差 Poor</p> <p>2. 您认为本报告所披露信息的清晰、准确、完整性如何？ 2. What do you think of the clearness, accuracy and integrity of the disclosure information?</p> <p><input type="checkbox"/>高 Great <input type="checkbox"/>较高 Good <input type="checkbox"/>一般 Moderate <input type="checkbox"/>较低 Poor</p> | | | |

3. 您对本报告的哪一部分最感兴趣？

3. Which part of the report interest you the most?

- 企业简介 About US
- 理念战略 Our Philosophy
- 管理运营 Our Performance
- 加强业务建设 增强发展动力 Strengthen Management, Standardize Operation
- 创新营销模式 培育市场生态 Stick to Innovation, Provide High Quality Service
- 创新引领发展 确保优质服务 Adherence to Red Line, Ensure Safety Production
- 强化安全管理 护航生产经营 Energy Saving and Environmental Protection
- 倡导节能环保 共建绿色生态 aff, Share Development Results
- 关爱员工利益 共创和谐企业 Integrate into Community, Create Value Together
- 加强社区交流 共建社会关系 Our Model
- 探索发展 Our Outlook
- 责任绩效 Third- Party Assessment
- 未来展望 Third- Party Assessment

4. 您认为本报告对利益相关方的期望进行的回应和信息披露程度如何？

4. What do you think of the extent of the information disclosure and the responses to the expectation of the interest parties?

很高 Great 较高 Good 一般 Moderate 较低 Poor

5. 您认为本报告的可读性如何？

5. How is the readability of the report?

很高 Great 较高 Good 一般 Moderate 较低 Poor

6. 您认为本报告的版式设计是否有利于您的阅读？

6. How is the format design of the report facilitating your reading process?

很高 Great 较高 Good 一般 Moderate 较低 Poor

您对中材建设社会责任工作及社会责任报告编写工作有何改进意见？

Your advice for CBMI's CSR work and compilation of CSR Report

公司注册地

地址：河北省唐山市丰润区幸福道7号

电话：0086 0315-3241249

传真：0086 0315-3221044

网址：<http://www.cbmi.com.cn>

邮政编码：064000

公司总部

地址：北京亦庄经济开发区隆庆街7号

电话：0086-10-67285000

传真：0086-10-67285001

邮政编码：100176

CBMI Company Place of Incorporation

No.7 Xingfu Road, Fengrun District, Tangshan City, Hebei Province,

P.R.China

Tel: 0086 0315-3241249

Fax: 0086 0315-3221044

[Http://www.cbmi.com.cn](http://www.cbmi.com.cn)

ZIP CODE:064000

CBMI CompanyHeadquarters

NO.7, longQing Road, Beijing Economic and Technological

Development Area, China

Tel: 0086-10-67285000

Fax:0086-10-67285001

ZIP CODE:100176