

香港交易及結算所有限公司及香港聯合交易所有限公司對本公告的內容概不負責，對其準確性或完整性亦不發表任何聲明，並明確表示，概不就因本公告全部或任何部分內容而產生或因倚賴該等內容而引致的任何損失承擔任何責任。



SD-GOLD

SHANDONG GOLD MINING CO., LTD.

山東黃金礦業股份有限公司

(於中華人民共和國註冊成立的股份有限公司)

(股份代號：1787)

海外監管公告

本海外監管公告乃由山東黃金礦業股份有限公司(「本公司」)根據香港聯合交易所有限公司證券上市規則第13.10B條作出。

茲提述本公司日期為2019年3月28日之海外監管公告，內容有關本公司於上海證券交易所網站刊發標題為「2018年度社會責任報告」(「該報告」)之公告。

該報告之英文翻譯已附於本公告之後僅供國際投資者參考。

承董事會命

山東黃金礦業股份有限公司

董事長

李國紅

中國濟南，二零一九年五月八日

於本公告日期，本公司執行董事為王培月先生、李濤先生和湯琦先生；本公司非執行董事為李國紅先生、王立君先生和汪曉玲女士；本公司獨立非執行董事為高永濤先生、盧斌先生和許穎女士。

SOCIAL RESPONSIBILITY REPORT 2018

SHANDONG GOLD, ECOLOGICAL MINING

STOCK CODE SH 600547 1787.HK

SOCIAL RESPONSIBILITY REPORT 2018

SHANDONG GOLD, ECOLOGICAL MINING

STOCK CODE SH 600547 1787.HK



SHANDONG GOLD MINING CO.,LTD.

Zip code : 250101

Phone : +86 531 6771 0000

fax : +86 531 6771 0038

Website : <http://en.sdhjgf.com.cn/>



Social Responsibility Report 2018 of SD-Gold

Table of Contents

| | | | | | | | |
|--------------------------|----|---|----|------------------------------|----|---------------------------------|----|
| Introduction | 01 | Responsibility Management | | Environmental Responsibility | | Employee Responsibility | |
| | | Responsibility Concept | 15 | Green Management | 40 | Employee Team | 67 |
| Chairman's Statement | 02 | Responsibility System | 16 | Green Production | 43 | Rights and Interests Protection | 68 |
| | | Responsibility Integration | 17 | Green Mine | 49 | Career Development | 70 |
| Special Subjects | 04 | Responsibility Communication | 18 | | | Caring for Employees | 72 |
| About Us | | Corporate Governance | | Safety Responsibility | | Public Welfare Responsibility | |
| Company Profile | 06 | Corporate Governance | 22 | Safety Management | 52 | Community Co-construction | 77 |
| Organizational Structure | 08 | Compliance Management | 24 | Safety Production | 54 | Charity Fund Raising | 79 |
| Excellent Performance | 09 | Efficient Management | 26 | Safety Education | 61 | Accurate Poverty Alleviation | 80 |
| Economic Performance | 11 | Scientific and Technological Innovation | 31 | Occupational Health | 63 | Volunteer Service | 82 |
| Social Recognition | 12 | Sustainable Development | 36 | | | Vision of the Future | |
| | | | | | | Index | 85 |
| | | | | | | Feedbacks from the Reader | 86 |



Let more people and communities benefit from a
well-developed SD-Gold



Introduction

With the purpose to strengthen communications and contacts with various stakeholders, this report truly reflects the fulfillment of social responsibilities by Shandong Gold Mining Co., Ltd. in 2018.

The Board of Directors and all directors of the company guarantee that there are no false records, misleading statements or major omissions in this report, and are severally and jointly liable for truthfulness, accuracy and completeness of the contents in this report.

Reporting entity: Shandong Gold Mining Co., Ltd. and its subsidiaries

Refer to instructions: In this report, "Shandong Gold Mining Co., Ltd." is also referred to as "SD-Gold", "the company" or "we".

Time range: The reporting period is from January 1, 2018 to December 31, 2018. Some contents may go beyond the above period.

Reporting period: This report is an annual report.

Data specification: Should there be any inconsistency between the financial data disclosed in this report and that in the company's Annual Report, the latter shall prevail. Other data are from the internal statistics of the company. All currency amounts are in RMB unless otherwise stated.

Basis for report writing: This report is formulated in accordance with requirements specified in the Guidelines for the Preparation of the Report on Performance of Corporate Social Responsibility issued by Shanghai Stock Exchange (SSE), the Guidelines of Shanghai Stock Exchange for Environmental Information Disclosure of Listed Companies issued by SSE to urge listed companies to take on social responsibilities actively, and the Environmental, Social and Governance (ESG) Report Guide issued by HKEX, and by reference to the Sustainable Development Report Guide (G4) issued by Global Reporting Initiative, PRC National Standard--the Guidelines for Social Responsibility Report Compiling (GB/T 36001-2015) and the Guidelines for China's Corporate Social Responsibility Report Compiling 4.0 - General Mining Industry issued by Chinese Academy of Social Sciences. Meanwhile, it highlights the SD-Gold's features and industry features.

Report release form: This report is released in both Chinese and English. Should there be any discrepancy between the Chinese and the English versions, the Chinese version shall prevail. This report is released in forms of printed and electronic versions, of which the electronic version is available at the website of SSE (www.sse.com.cn) and the website of HKEX (www.hkexnews.hk).

Report feedback and contacts:

Corporate Culture Department of Shandong Gold Mining Co., Ltd.

Tel.: 0531-87710537

E-mail: sdhj@sd-gold.com

Chairman's Statement

Strive for the World-Class Gold Enterprise and Compose a New Chapter of High-Quality Development



Chairman of Shandong Gold Mining Co., Ltd.

Signature

In 2018, the first year of fully implementing the spirit of the 19th National Congress of the Communist Party of China, the 40th anniversary of implementing the reform and opening-up policy, and the crucial year for building a well-off society in an all-round way and implementing the 13th Five-Year Plan, by upholding the corporate spirits of "Pursuing

Excellence, Innovation and Progress" and the business purposes of "being beneficial to employees, shareholders and the society and making the country rich and powerful", SD-Gold made the party, the government, the partners, the employees and the public satisfied, with standard and efficient business management, higher yields and profits, steadily advanced technological innovation, sustained and stable production safety, further accelerated external development and employees' demands fully satisfied.

Blaze new trails in a pioneering spirit, and replace old growth drivers of the mining industry with new ones.

Through giving full play to innovation leadership, increasing investment in science and technology, building scientific research platforms and introducing innovative talents, we continuously boosted the internal driving force, promoted the integration of the big data, the Internet and the artificial intelligence into the whole-chain processes (including mining, beneficiation, smelting, processing and manufacturing) of the gold industry, closed down outdated production facilities, transformed and upgraded the traditional industries and explored new ways and new models that are more conducive to the revitalization of the mining industry and high-quality development. In order to thoroughly implement the strategic decision of central authorities, Shandong Provincial Party Committee and the People's Government of Shandong Province on the major project of replacing old growth drivers with new ones, the company launched the "World-Class Model Mine" construction project with the Sanshandao Gold Mine as the pilot to accelerate the construction of the "safe, efficient, intelligent, green and informationalized" mines, lead the transformation and upgrading of traditional mining industries and create a new model for the construction and operation of metal mines.

Build green mines and promote harmonious co-existence between human and nature.

By upholding the environmental protection concept of "keeping the environment clean and protecting the earth, our home", we gave consideration to both resource development and comprehensive utilization, both energy conservation and environmental protection, and both technological transformation and safe production, vigorously

developed circular economy, low-carbon economy and cleaner production, and treated the ecological environment like it is our life. In 2018, the company continued to increase investment in safety and environmental protection, and achieved the "double zero" goal, i.e. zero work-related death and zero major environment pollution accidents, scientifically upgraded mine production systems and safety facilities, maintained a stable form of safe production, released the Opinions on Implementation of 2018-2020 Ecological Mining and Green Mine Construction Planning, and accelerated the pace of ecological mining construction. So far, 3 enterprises have been identified as "National Level Safety Culture Construction Model Enterprise" and 3 enterprises have been identified as "Provincial Level Safety Culture Construction Model Enterprise", respectively; 4 and 3 mines have been identified as "National Level Green Mine" and "National Level Green Mine Pilot Unit", respectively. By 2020, all mines of SD-Gold will reach the national level green mine standards, and achieve good environmental benefits while achieving significant economic benefits.

Accelerate the implementation of "going out" strategy and make new progress in international cooperation.

We actively responded to the national "Belt and Road" strategy, adhered to the principle of "sharing and win-win results", and would like to, on the basis of respecting the individual interests pursuit and value choices and in a more open and inclusive manner, participate in the global gold resource allocation, seek for gold-based assets on a global scale, deepen communication and cooperation in all fields and regions of the mining industries globally, accelerate the pace of "going out", and work together to create a new pattern of global gold industry development. In 2018, the company participated in the CHINA MINING 2018, the China Gold Congress and the International Gold and Silver Conference, making SD-Gold known to the world. This year, the company became the member unit of the World Gold Council, thus, our position in the industry was further improved and our international influence grew day by day. We established the intensive strategic cooperation and deep partnership with Barrick Gold. In addition, the company was successfully listed on the main board of HKSE, formally opening the new channel for entering the international capital market.

Develop the corporate culture to nourish the soul of each employee of Shandong Gold.

Corporate culture is a basis for fulfilling the social responsibilities well. The corporate spirits of "Pursuing Excellence, Innovation and Progress" and the corporate culture with the values of "Openness, Inclusiveness, Loyalty and Responsibility" as core have become the ideological consensus and self awareness of each SD-Gold person. We focused on enriching the spiritual and cultural life of

our employees, therefore, we held the Miner's Day with the theme of "Promoting the spirit of the miners in the new era and gathering the strength of SD-Gold along the new journey", and made the company's first image film called "SD-Gold - Original Intention". We actively carried out skills training, appraisal, and competition and other activities to ensure the career development and ability improvement of employees. We adhered to the promise of "three lets and three lets not", further improved the employee rescue mechanism, and truly concerned each employee, so that each SD-Gold individual has no additional worries and shares the reform and development achievements.

Actively fulfill duties of a large enterprise on poverty alleviation.

It is a kind of responsibility for SD-Gold to make more people and communities benefit from the well-developed SD-Gold. We repaid the society and made contributions to the society with practical actions, earnestly shouldered social responsibilities and fulfilled our obligations, actively carried out various charity activities with various positive themes, organized volunteer services, charitable donations, voluntary blood donations and study assistance, etc. To actively respond to the national call for rural revitalization, we helped villagers in the mining areas implement a series of projects such as agricultural power transformation projects, drinking water renovation projects and farmland drainage & irrigation project, etc., provided financial and material support in the construction of new rural areas, improvement of rural environment and construction of rural infrastructures and employed a lot of workers locally, in this way, we made contributions to the economic development and poverty alleviation in the mining area.

In 2019, we will continue to adhere to the development concept of "Shandong Gold, Ecological Mining", further accelerate the construction of "World-Class Model Mines", speed up replacing old growth drivers with new ones, give overall considerations to environment improvement and resource development and comprehensive utilization in mining areas, technological innovation and digital mine construction, and harmonious communities and corporate culture construction, strive for building the world-class gold enterprise and pay back to the shareholders, the employees and the society with better performance.

Special Subjects

Focus on Replacing Old Growth Drivers with New Ones and Build the World-Class Model Mines

Nurturing New Driving Forces, Creating New Models and Leading the Trend

In order to thoroughly implement the strategic decision of central authorities, Shandong Provincial Party Committee and the People's Government of Shandong Province on the major project of replacing old growth drivers with new ones, promote the implementation of the strategic goals of the "13th Five-Year Plan", lead the transformation and upgrade of traditional mining industry and build a world-class enterprise with global competitiveness, SD-Gold carried out the construction of the "world-class model mines" with "Sanshandao Gold Mine" as the pilot.

The company held the Symposium on "World-class Model Mine" Program in Jinan on April 20, 2018 and held the Launching Meeting for Construction of "World-class Model Mines" in Sanshandao Gold Mine on May 23, 2018, kicking off the construction of the "world-class model mines".



International Symposium on "World-Class Model Mine" Program



Launching Meeting for Construction of "World-class Model Mines"



Competition for Jobs in the Sanshandao Gold Mine "World-Class Model Mine" Construction Department



Information Dispatching Center of Sanshandao Gold Mine



Seminar on Key Technologies on Green Mining of Deep Metal Ores in Sanshandao Gold Mine



Sanshandao Gold Mine Safety Production Standardization Certificate

As a model unit, with good natural endowment and rich resources, Sanshandao Gold Mine has made outstanding achievements especially in comprehensive utilization of mine resources, informatization, digitization and automation construction, and green development, therefore, it has the prerequisites for high-standard development construction. Based on resources, ecology, science and technology and management and focusing on first-class minerals, first-class talents, first-class safety, first-class environmental protection, first-class technologies, first-class equipment, first-class benefits and first-class culture, the Sanshandao Gold mine has fully started the construction of the "world-class model mine", and been gradually forming a safe, efficient, green, intelligent and high-quality development model.

About Us

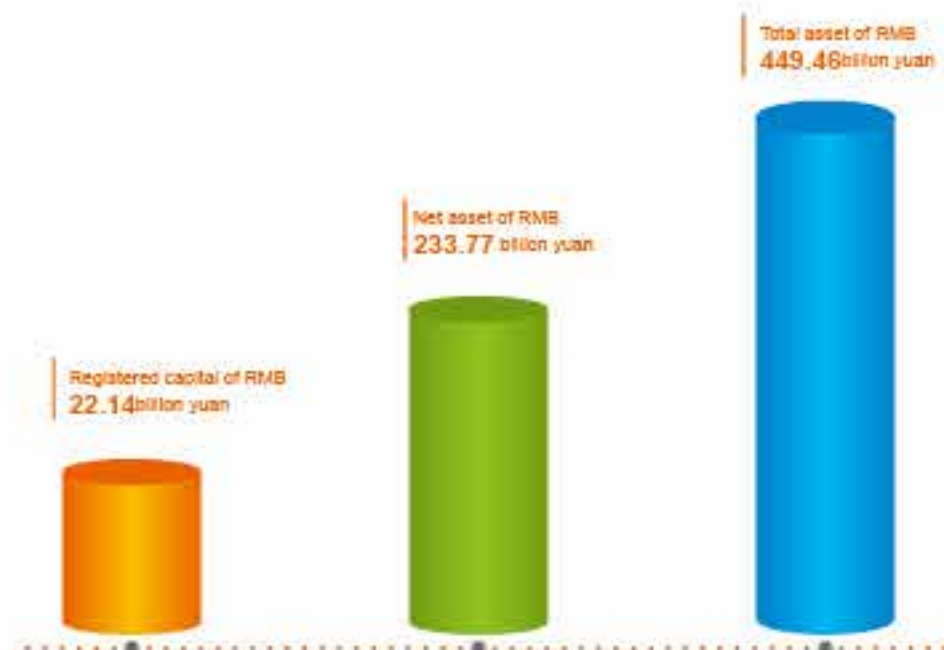
Company Profile

Founded in January 2000, Shandong Gold Mining Co., Ltd. (hereinafter referred to as "the company" or "SD-Gold") is a listed company controlled by Shandong Gold Group Co., Ltd. It was listed on Shanghai Stock Exchange on August 28, 2003 and on main board of HKSE on September 28, 2018. Its H share was included into the list of Hong Kong stocks on October 19, 2018, from which the company achieved the new layout of "A+H" in two capital markets.

Since its listing, the company has adhered to "making the gold business excellent and strong" and "maximizing the company's value and shareholders' interests": with the commitment to build the safe and green mines, it has established the brand image of "Shandong Gold, Ecological Mining" and been selected in SSE 50 index sample stock and MSCI index. By the end of 2018, the company has had a registered capital of 22.14 yuan, total asset of 449.46 yuan and net asset of 233.77 yuan.

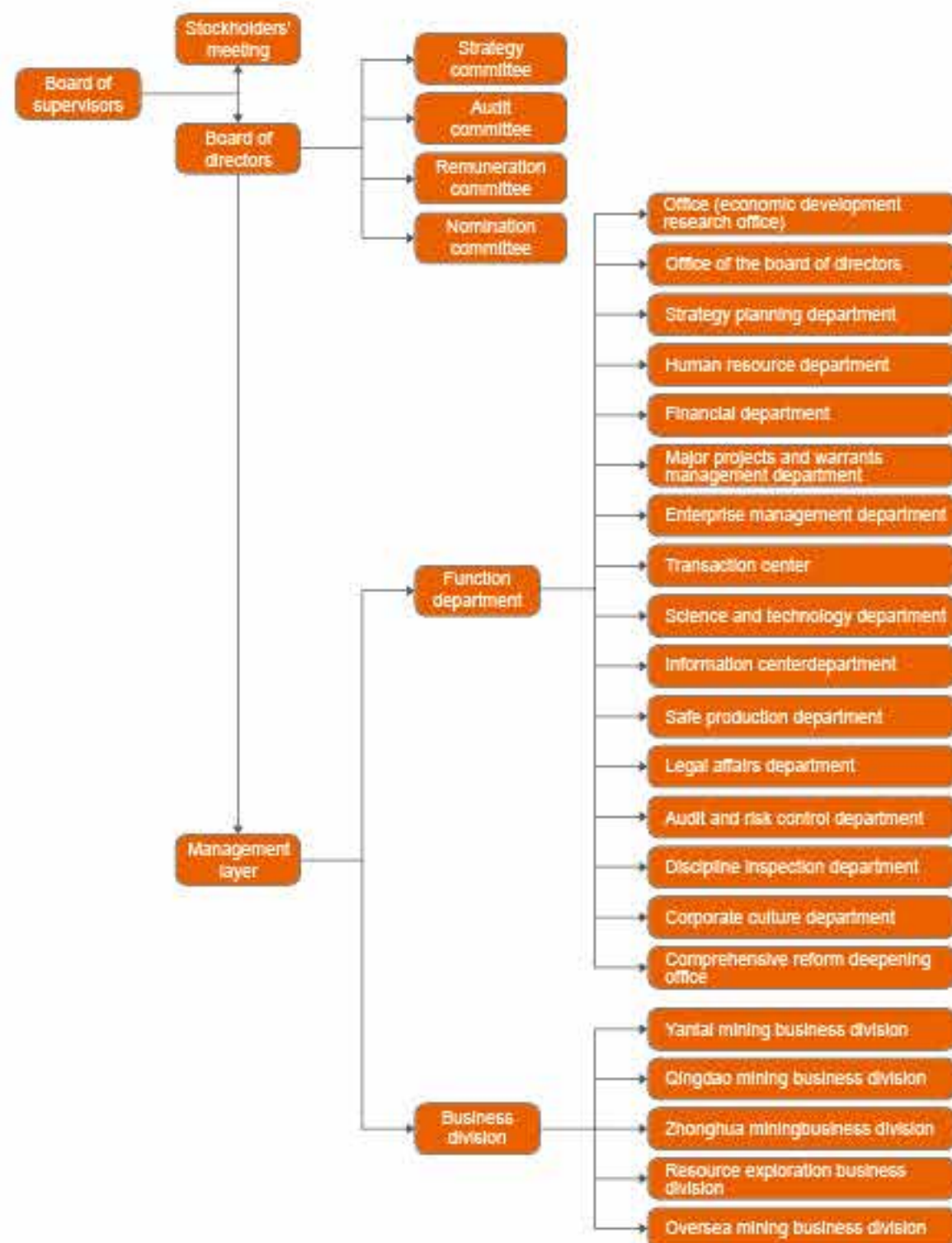
Principally engaged in the gold mining, the company also has a complete industrial chain integrating exploration,

mining, beneficiation and smelting (purification) of ores and deep processing and sales of gold products, as well as the matched scientific and technological R&D system. Mine enterprises under the control of the company distribute across Shandong, Fujian, Inner Mongolia, Gansu, etc. of China and San Juan, Argentina in South America, of which domestic mines have achieved remarkable results. Jiaojia Gold Mine and Linglong Gold Mine have the accumulated gold yield of more than 100 tons respectively; Sanshandao Gold Mine is the first to launch the construction of "world-class model mine" in China; Jiaojia Gold Mine is the first digital mine in China; Xincheng Gold Mine is identified as "national environmental-friendly enterprise". In addition, the company also operates the Veladero Gold Mine, the largest gold mine in Argentina and the second largest gold mine in South America, together with Barrick Gold Corporation on a 50-50% basis. The company also has a subsidiary called Shandong Gold Smelting Company that has the largest mineral gold trading volume in China, which is the first batch of enterprises that are accredited by Shanghai Gold Exchange as "entitled to provide standard gold ingots" and one of the first group of gold ingot brand enterprises that are registered at Shanghai Futures Exchange. It has obtained the qualification of trading high-quality ingots from London Bullion Market Association (LBMA) and been rated as the high-quality brand in the international gold and silver market. In addition, both gold production quality and scale of the company have reached the international advanced level, therefore, the company has become a leader in China's gold mine companies.

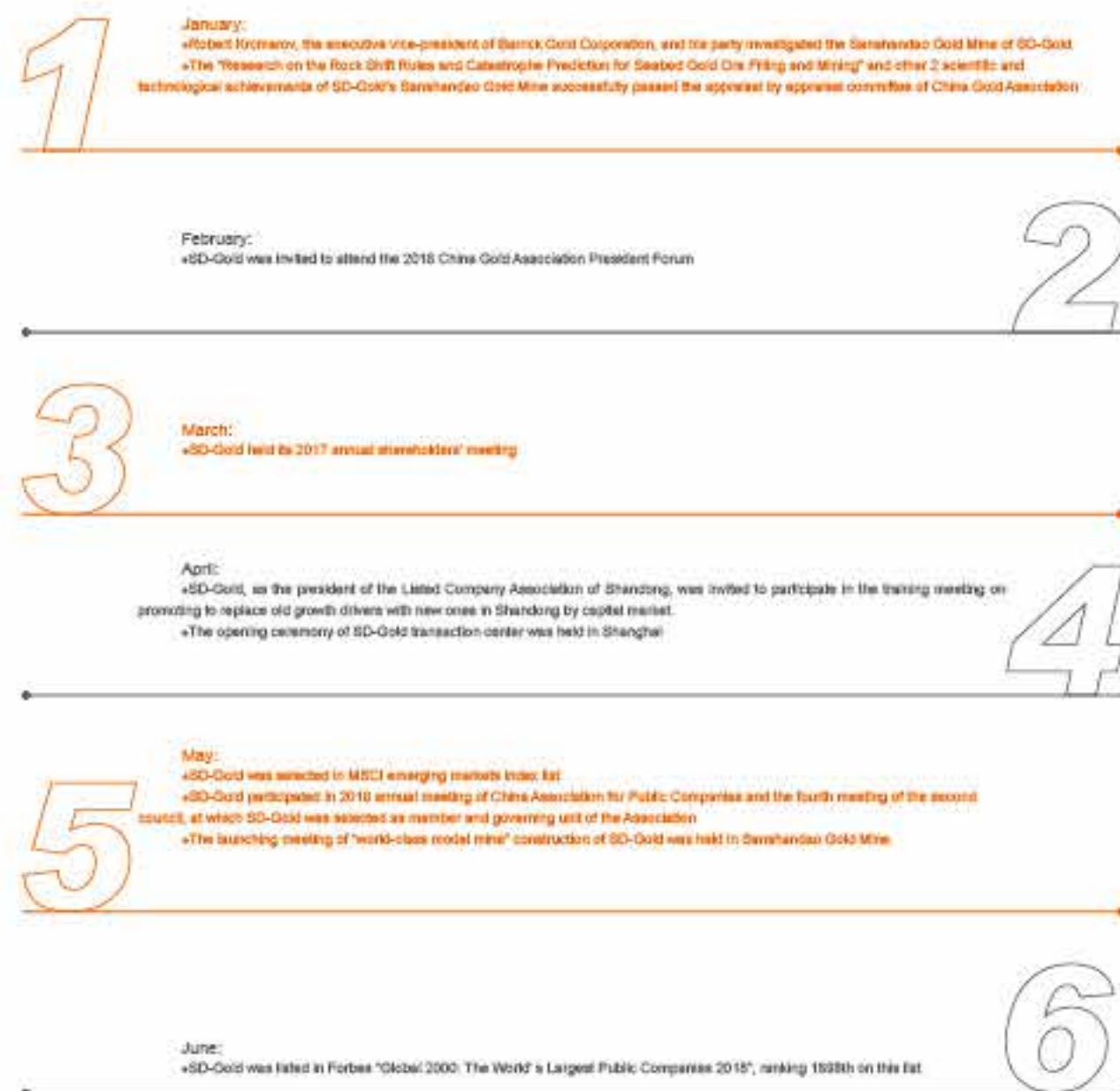


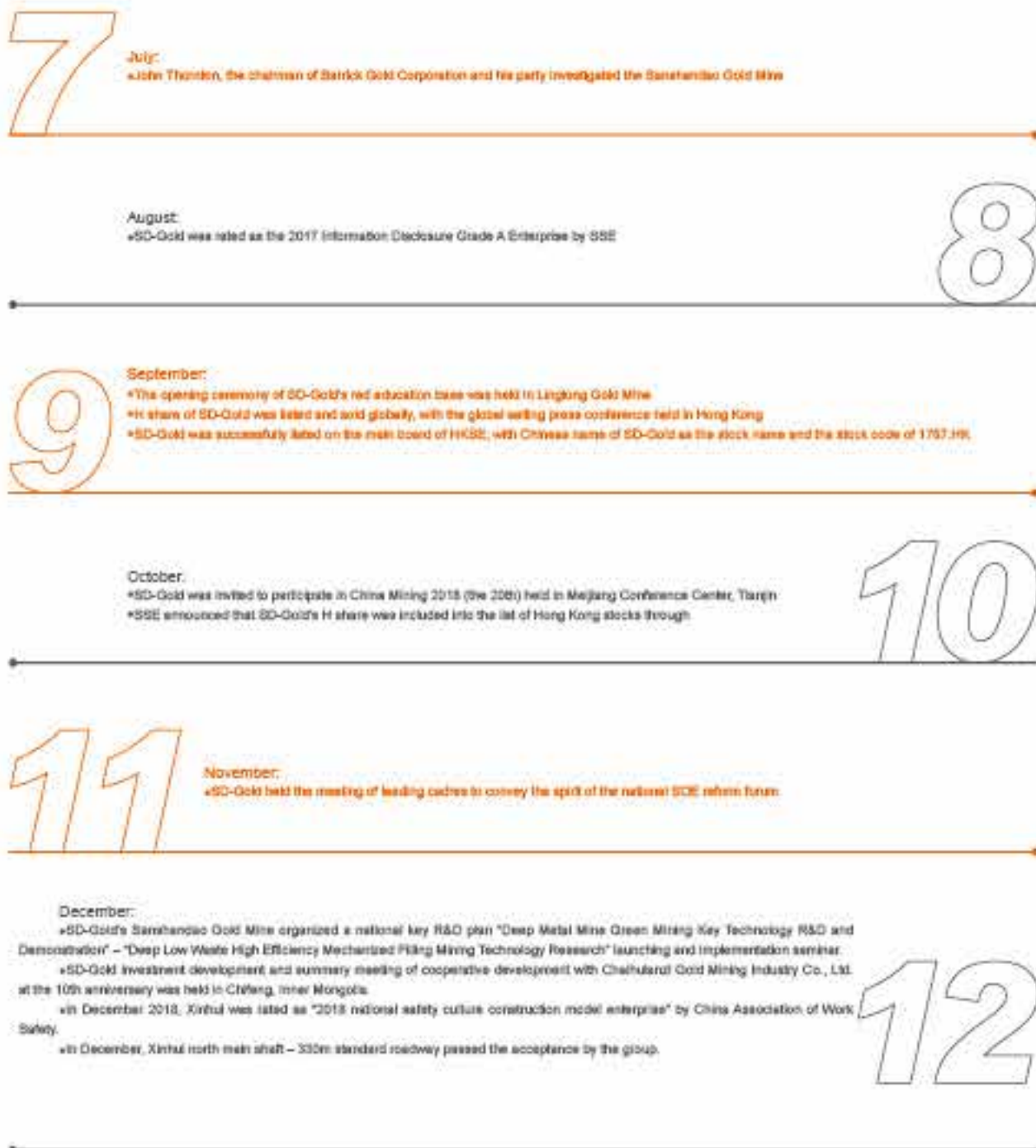
Listed on the main board of HK H share

Organizational Structure



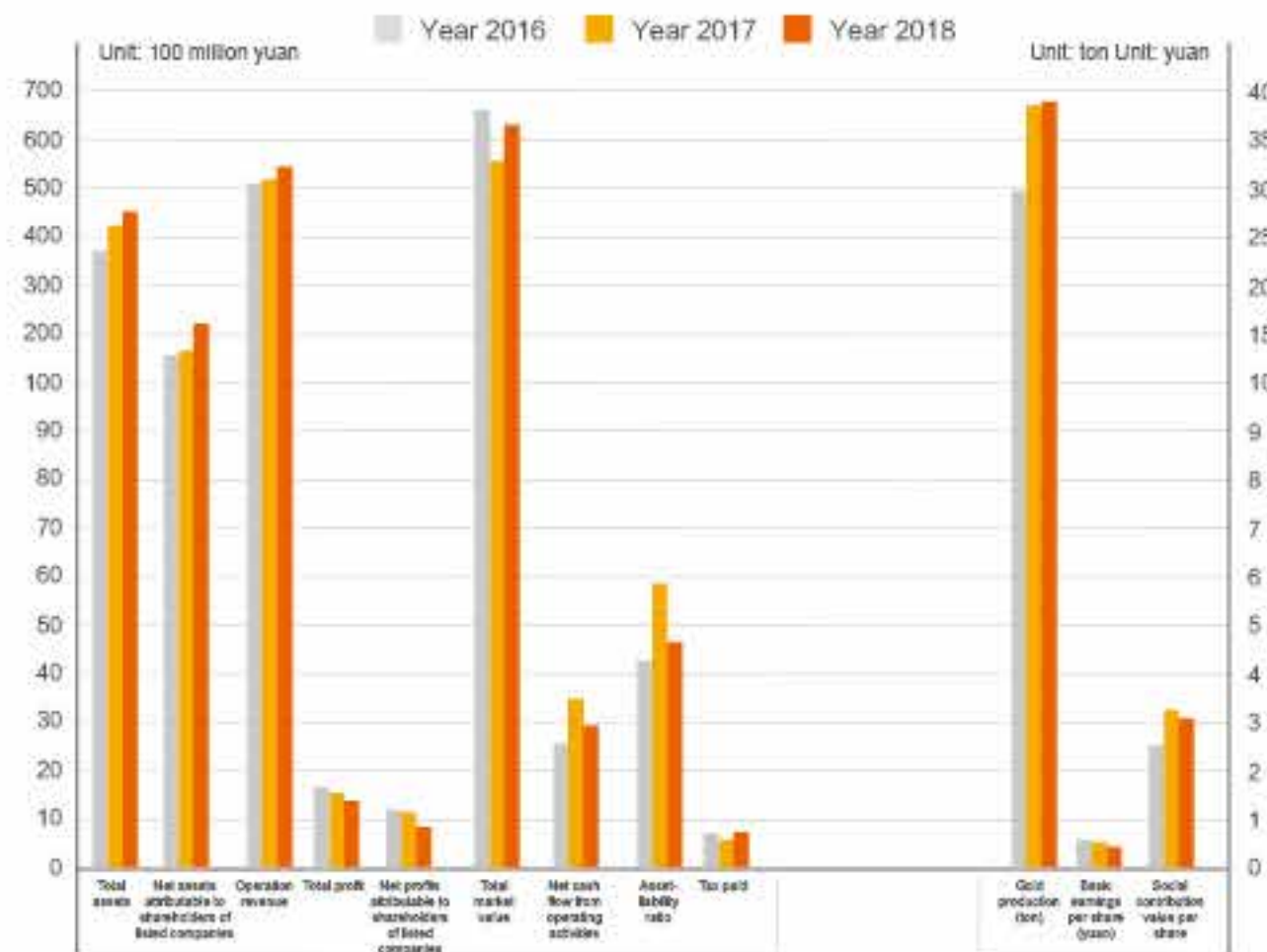
Excellent performance





Economic Performance

In 2018, SD-Gold established the guiding ideology of "striving to take a new step on the premise of maintaining stable production of mineral gold" and insisted on "quality first and benefit first", as a result, the company gained the remarkable results in the supply-side reform, continuously increased the new growth drivers, maintained the stable growth in the gold production under the situation of continuous gold production reduction in the national industry, and achieved the substantial improvement of the economic indicators. In 2018, the company achieved the operating income of 547.88 billion yuan, gold production of 39.32 tonnes, and total assets of reaching 449.46 billion yuan.



Social Recognition

Benefiting from actively participating in social responsibility organizations and fulfilling its social responsibilities, the company is currently the governing unit of the China Association for Public Companies, the president unit of the Listed Company Association of Shandong, the member unit of the Shanghai Stock Exchange, the member unit of the Shanghai Gold Exchange, and the standing director unit of the China Gold Association, and has gained wide recognition from all walks of life.

January 2018

The "Loose Fracture Zone Support Method and Safe and Efficient Mining Technology of Extremely Broken Medium-Thick Ore Body" completed by the company's Linglong Gold Mine won the second prize of the 2017 China Nonferrous Metals Industry Science and Technology Award; "The Linglong Gold Mine in Zhaoyuan City, Shandong Province Took over the Resource Exploration Project" won the second prize of the 2017 Shandong Provincial Land and Resources Science and Technology Award.

February 2018

Jinzhou Company of SD-Gold was awarded the honorary title of "2017 Advanced Enterprise in Work Safety in Shandong".

April 2018

SD-Gold participated in the "Selection of Listed Companies Most Respected by Investors in 2017" and won the "Top 100".

SD-Gold was awarded 2017 SGE "Comprehensive Excellent Member Second Prize".

Xincheng Gold Mine of the company was awarded the title of advanced unit of three years of action in vocational learning and training skills upgrade in Shandong iron and steel, gold and nonferrous metals industry.

May 2018

SD-Gold was rated as the theme long-term credit rating AAA enterprise by United Credit Ratings Co., Ltd., and is expected to remain "stable".

"13 SD-Gold 01" and "13 SD-Gold 02" publicly issued by SD-Gold was awarded credit rating AAA by United Credit Ratings Co., Ltd.

June 2018

Gold Smelting Company of SD-Gold was awarded the CNAS authorization certificate issued by the China National Accreditation Service for Conformity Assessment.

August 2018

Gold Smelting Company of SD-Gold participated in the China Gold Congress and was awarded the "2017 Top Ten Gold Smelting Enterprise in China".

September 2018

"The Construction and Application of '60' Network-based Cost Management System in Mine Enterprise" management achievements of Jinzhou company of SD-Gold, won the fifth "Shandong Provincial Enterprise Management Innovation Achievement Award", with other 19 achievement made by other enterprises in the province.

November 2018

SD-Gold participated in the "2018 Financial Industry China Listed Companies Innovation Development Summit Forum" and won the "2018 China Listed Companies Industrial Contribution Award".

SD-Gold participated in the 18th China Top 100 Listed Companies Submit Forum and won the "China Top 100 Enterprise Award".

Xincheng Gold Mine of the company was awarded the honorary title of "National Equipment Management Excellent Unit".

December 2018

Linglong Gold Mine and Penglai Mining Corporation of the company were awarded the honorary title of "Shandong Provincial Equipment Management Excellent Unit", respectively.

Jiaojia Gold Mine of the company was awarded "Excellent Unit in Integration of Informatization and Industrialization in Shandong in 2018".

Xinhui company was rated as "2018 national safety culture construction model enterprise" by China Association of Work Safety.

January 2019

SD-Gold participated in the 14th Golden Round Table Award Ceremony for Chinese Listed Companies, and the board of directors won the honorary title of "Excellent Board of Directors of the Golden Round Table Award".



Management Responsibility

Responsibility concept
Responsibility system
Responsibility integration
Responsibility Communication

Responsibility concept

By upholding the philosophy of joint development of used its best endeavour the enterprise with the people, the society and the environment, sharing and win-win results, SD-Gold to make the people and places participating in, supporting and caring for the development of the enterprise more richer and better, and took such measures as efficient operation, energy saving and emission reduction, safe production, caring for employees, and giving back to the society, etc. to effectively fulfill the social responsibilities.

Corporate Spirits

Pursue Excellence, Innovation and Progress

Party Building Concept

Inherit Red Gene, Keep Mission In Mind

Core Values

Openness, Inclusiveness, Loyalty and Responsibility

Concept of Honesty

Run business strictly and honestly, Maintain sound work style

Brand Image

Shandong Gold, Ecological Mining

Concept of Care

Three lets and three lets not

(1) Three lets

Let the income of the employees increase by the same rate as the group's benefits

Let employees have broad growth space

Let employees work in a safe and reliable environment

(2) Three lets not

Let not the family of employees live below local poverty line

Let not employees unable to pay for medical care

Let not employee's children unable to afford education

Ideal Goal

Let the existence of Shandong Gold Group be the reason for more people and communities being benefited

Strategic Vision

Strive for the industrial leading and world-class gold mining enterprise

Business Purposes

Beneficial to employees, shareholders and the society and make the country rich and powerful

Management Ideas

Give Priority to Resources Focus on Efficiency
Based on Innovation

Concept of safety work and environmental protection

no accidents in safety work and environmental protection

Talent Concept

Equal Stress on Integrity and Ability, Recommend and Employ Talented People

Slogans

(1) SD-Gold, Gold Mountain of the World

(2) I contribute to SD-Gold's prosperity

(3) Thanks for your support for SD-Gold

(4) Mine managers' most important responsibility is to ensure safe production; Mine managers' first position is at the frontline of production; Mine managers' first task is to guarantee no accidents happen in production and environmental protection

(5) Keep the environment clean, Protect the earth, our home

Responsibility system

SD-Gold has always upheld the social responsibility sense, continuously improved the social responsibility management system, strengthened the social responsibility management, actively conducted social responsibility practices, promoted multicultural communication and integration and strengthened communication with stakeholders to ensure its full fulfillment of social responsibilities and thereby promote the sustainable development of the company.

Established and improved corporate social responsibility governance structure

Established a social responsibility committee, established a social responsibility management organization network covering all business units and functional departments within the enterprise, and clarified the persons in charge, functions, responsibilities and authorities to supervise the practice of social responsibility and give the report and propose the improvement opinions to the senior management to ensure that the social responsibility strategy can be smoothly implemented and continuously improved.

SD-Gold
Social
Responsibility
Management
System

Formulated the corporate social responsibility management system

Formulated the social responsibility management plan, integrated the requirements for fulfillment of social responsibilities into the whole process of business operations and daily management, improved the channels for corporate social responsibility information disclosure, and improved the mechanism for participation of various stakeholders.

Established the corporate social responsibility indicator system

Studied the expectations of stakeholders and the requirements of corporate sustainable development strategy, compared the international standards and the relevant best industrial practices, established the corporate social responsibility indicator system in line with SD-Gold, and clarified the data collection process.

Formulated the social responsibility guarantee policy

Formulated sound human resource policies, financial policies, internal communication policies, etc., communicated the corporate social responsibility values and strategies to each department, position and employee, and continuously improved the knowledge, skills and aspiration of all employees to fulfill their social responsibilities.

Responsibility integration

SD-Gold incorporated social responsibility into its corporate strategy. In the "13th Five-Year Plan" strategic plan, SD-Gold defined social responsibility objectives, took deepening reform, innovation driving, safe production and ecological mining as the strategic support measures, from the strategic level, established and improved the social responsibility system and management system, integrated the social responsibilities into the corporate management system and implemented the responsibilities in each department.

| Responsibility content | Department in charge |
|---|--|
| Corporate governance | Office of the board of directors, strategy planning department, comprehensive reform deepening office |
| Compliance management | Enterprise management department, transaction center, major projects and warrants management department, legal affairs department, audit and risk control department, safe production department |
| Scientific and technological innovation | Science and technology department, information center |
| Environmental protection and safety | Safe production department, enterprise management department, all business divisions |
| Employee rights and benefits | Human resource department, corporate culture department, all business divisions |
| Community public welfare | Corporate culture department, financial department, all business divisions |

Case

SD-Gold Held Reform & Development and "The 13th Five-Year Plan" Seminar

From August 14 to 15, SD-Gold held the Reform & Development and "The 13th Five-Year Plan" Seminar. At the seminar, the experts of Roland Berger (Shanghai) Co., Ltd. delivered a Report on the Revision of the "SD-Gold's Strategy Planning During the '13th Five-Year Plan' Period; main persons in charge of each business division reported the completion of work since the "13th Five-Year Plan" and the work objectives and measures in the future; participants conducted a free speech discussion around the Report. Everyone agreed that this seminar was a milestone for SD-Gold to continue to compose a new chapter in the development of the "13th Five-Year Plan" in the new historical position. The Report comprehensively reviewed the company's development achievements since the "13th Five-Year Plan" period, accurately and objectively analyzed the issues, scientifically and reasonably predicted the future development direction in combination with the actual situation of the company.

At the meeting, it was pointed out that since the beginning of this year, in the face of the complicated and ever-changing economic situation, the company has thoroughly studied and implemented the Xi Jinping's socialist ideology with Chinese characteristics for the new era and the spirit of the 19th National Congress of the Communist Party of China, conscientiously implemented the decision-making and deployment of the provincial party committee and the provincial government, adhered to the general tone of steady progress, firmly established and practiced new development concepts, accurately grasped the fundamental requirements of high-quality development, taken the supply-side structural reforms as the main line, vigorously implemented the major project of replacing old growth drivers with new ones, accelerated the promotion of key tasks, and maintained development trend of quality improvement in the steady progress in production and management.

At the meeting, it was stressed that the company should focus on strengthening its strength, stimulating its vitality, enhancing its power, and improving its level, conduct implementation strictly and seek for innovation and breakthroughs to ensure the annual task indicators to be completed without compromise. First, the company should increase the production capacity, competitiveness and international operation strength to further expand the development strength. Second, the company should accelerate the re-breakthrough of asset revitalization, further reform the systems and mechanisms, and re-optimize the management system to further stimulate the vitality of development. Third, the company should vigorously promote the model mine construction, the scientific and technological innovation and resource reserves to further enhance the development momentum. Fourth, the company should continuously improve the level of technology management, asset management and control, capital management, risk management and control and safety and environmental protection management to further enhance the development level.



Responsibility Communication

The company actively communicated with stakeholders, improved the social responsibility information disclosure system by the company's website, social responsibility reports, sustainable development reports and shareholders' meeting, established the international and external communication mechanisms to gain and understand the expectations and the demands of stakeholders.

Stakeholders Communication and Identification of Key Issues on Social Responsibility

| Serial No. | Stakeholders | Issues | Communication methods | Disclosure chapter |
|------------|---|--|--|---|
| 1 | Customers | Provision of high-quality products | Customer communication | Economic responsibility |
| 2 | Shareholders and investors | Reasonable return on Investment Stable operation and risk control | Financial report Shareholders' meeting | Economic responsibility |
| 3 | Contractors, Suppliers and Intermediaries | Honesty and integrity business norms Purchase policies and joint development | Contractors' meeting Telephone, mail On-site visit and audit | Economic responsibility |
| 4 | Employees | Safe and healthy working conditions Good remuneration Employee rights and benefits Career development | Employee satisfaction survey Employee forum Internal website | Safety responsibility Employee responsibility |
| 5 | Safety and environment | Safe production Pollution prevention, energy saving and emission reduction Addressing climate change | Conference call and mail Environmental information declaration NGO communication | Environmental responsibility Safety responsibility |
| 6 | Government and regulatory agencies | Complying with laws and regulations Paying taxes according to laws Scientific and technological innovation Employment promotion | Government meeting and seminar Compliance check On-site visit and communication | Economic responsibility |
| 7 | Communities, publics and non-governmental organizations | Driving regional economic development Participating in charitable activities | Regular information disclosure Visit | Public welfare responsibility |

Case

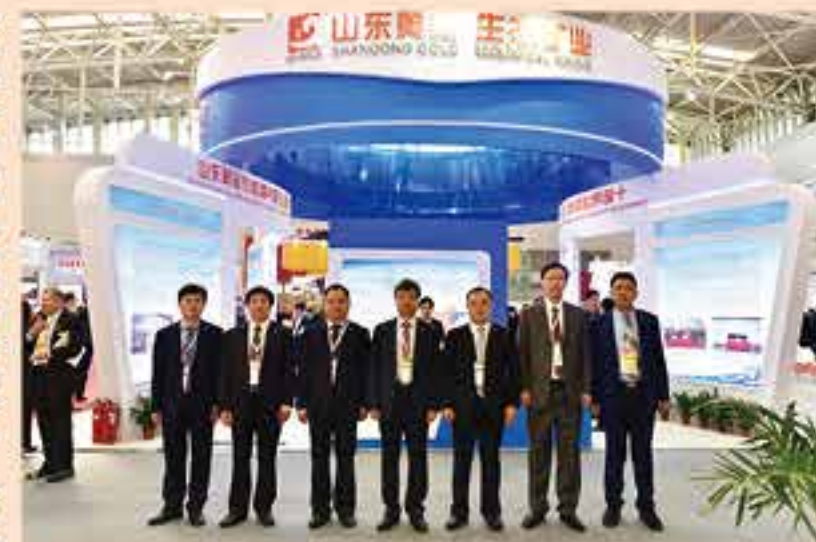
SD-Gold Group Participated in CHINA MINING 2018 (the 20th)

The CHINA MINING 2018 (the 20th) was held in Meijiang Convention Centre, Tianjin, from October 18-20th, 2018. SD-Gold Group was invited to participate in it with the theme of "Shandong Gold Ecological Mining" and "The No. 1 Gold Producer of China". Li Hongzhong, secretary of Tianjin Municipal Party Committee, Lu Hao, minister of Ministry of Natural Resources, Jiang Daming, member of the Standing Committee of the 13th CPCCC National Committee and deputy director of Committee of Population, Resources and Environment, Zhang Guoqing, deputy secretary of Tianjin Municipal Committee and the mayor, and other leaders, visited the exhibition hall of the Group.

Li Hongzhong, Lu Hao and Jiang Daming had cordial exchanges with leaders of SD-Gold, focusing on the strategic layout of SD-Gold during the 13th Five-Year Plan and the effects of internationalization and ecological mining construction, and fully affirming the Group's business performance and development trend in recent years.

During this event, leaders of SD-Gold participated in the Intelligent Mine Forum, the Mining Forum, and the Fourth Council Meeting of the Sixth Session of China Mining Association, etc. Tianjin TV, Tencent Video, China Business Journal, China Natural Resources News, China Gold News and other media made special reports and interviews on SD-Gold.

The conference was hosted by China Mining Association. More than 10,000 people, including government officials, experts and scholars, representatives of mining enterprises and financial institutions from 69 countries and regions, attended the conference. A part of the leaders of SD-Gold Group, the persons in charge from relevant business departments of the Group and relevant departments of the headquarters attended the conference. During the conference, one keynote forum, ten high-level forums and 50 special forums were held, with annual meeting of the prospectors, annual meeting of mining technologies, the metallurgical theory and the earth sciences sub-forums newly added, and mining project promotion conference for nine countries was held.



Social responsibility information disclosure carrier

Case

Shandong Gold Group Participated in the 3rd China Gold Congress

From July 24 to 26, the 3rd China Gold Congress was held at China National Convention Center. At the invitation of the Congress, Li Guohong, chairman and other leaders of SD-Gold Group attended the Congress and had the in-depth dialogues and exchanges with domestic and foreign mining peers. Song Xin, chairman of the China Gold Association and secretary of the Party Committee and president of China National Gold Group Corporation, visited the booth of SD-Gold and gave a good appraisal.

During the Congress, Li Guohong participated in the "Gold Mining Giant Summit Forum" and put forward his profound and detailed opinions and had the active and extensive communications with guests participating in the Congress on such themes as "The Opportunities and Challenges Faced by the Green Development of Gold Enterprises" and "The Win-Win Cooperation of Gold Enterprises Under 'The Belt and Road' Initiative". Leaders of SD-Gold also participated in the 10th Meeting of the Third Council of China Gold Association, "Gold Exploration and Capital Market Forum", "Deep Mining and Digital Mining Technology Forum", "Commercial Bank Gold and Financial Technology Forum", etc. and respectively met with Johannes Heerden, CEO of Harmony Gold Mining Company Limited of South Africa, and Steve Lewis, president and CEO of IAMGOLD, Canada, and other executives of overseas gold companies. Relevant media such as The Chinese Newspaper of Land and Resources, China Mining News, China Nonferrous Metals News, China Gold News, and Huanqiu.com conducted in-depth interviews and publicity reports on SD-Gold.

SD-Gold has participated in the China Gold Congress for three consecutive times. Organized by the China Gold Association and the World Gold Council, the Congress has become an important window for information exchange, brand display, promotion of new products and new technologies of the Chinese and foreign gold industries, as well as an important platform to promote deeper exchanges, share successful experience and jointly seek the development between Chinese and foreign gold industries. The contents of the Congress covered the entire industry chain of the gold industry, which were divided into summit forums, industry exhibitions and parallel forums. Twenty-nine forum activities were held, attracting nearly 2,000 delegates and guests from 25 countries around the world.



SD-Gold Participated in the 3rd China Gold Congress



Li Guohong, the chairman of the company, delivered a speech.

Economic responsibility

Corporate governance
Compliance management
Efficient management
Scientific and technological innovation
Sustainable development of resources

Corporate Governance

According to the Company Law, Securities Law, and the provisions and requirements stipulated in documents of the China Securities Regulatory Commission, Shandong Securities Regulatory Bureau, Shanghai Stock Exchange and Hong Kong Stock Exchange, and in combination with actual situation of the company, SD-Gold establishes the standardized systems and decision-making procedures to ensure the efficient & scientific operation of the shareholders' meeting, the board of directors, the board of supervisors and the management level under their respective authority, and gradually form a corporate governance structure with well-defined power & responsibility, clear division of labor, scientific decision making, and effective checks & balances.

■ The shareholders' meeting, the board of directors, the board of supervisors and the management level



■ Controlling shareholders and listed companies

The controlling shareholder of the company exercised the rights of the investor through the shareholders' meeting, did not interfere with the decision-making and operation of the company, and achieved the independence in terms of personnel, assets, finance, organization and business. The board of directors, the board of supervisors and the internal management organization could operate independently. The controlling shareholder could strictly abide by the commitment to the company to avoid the horizontal competition. When the company and its controlling shareholder had a connected transaction, the voting avoidance system could be complied with strictly to ensure the fairness of the connected transactions.

■ Information disclosure and transparency

In 2018, the company actively responded to the new changes in the securities regulation policies in the capital market, constantly adapted to the new requirements of the regulatory agencies for information disclosure, continued to adhere to the combination of statutory information disclosure and independent information disclosure, enhanced pertinence and effectiveness of contents of the regular reports, effectively improved the transparency of company information disclosure, ensured that all shareholders had the equal access to information and effectively prevented insider trading from occurring. In 2018, the company was rated by Shanghai Stock Exchange as the comprehensive A-level listed enterprise in information disclosure in 2017-2018.

■ Insider information

The company attached great importance to the management of inside information, and in accordance with the relevant regulations, recorded the relevant personnel of insider information before the disclosure of important matters of the company, and strictly controlled the scope of insider information, therefore, the company better maintained the fairness of the information disclosure and effectively safeguarded the interests of investors.

■ Investor relations and stakeholders

According to the Investor Relations Management System, the company further broadened the channels of communication with investors and fully respected and safeguarded the legitimate rights and interests of stakeholders. The company increased communication with investors and stakeholders by consulting calls, faxes and e-mails and on-site receptions. In addition, under the premise of meeting regulatory requirements, the company conducted the full communications with potential investors, analysts and media at home and abroad. In 2018, the company received more than 300 calls from investors, and received more than 30 batches of investors, with the number of more than 100 investors on site. The company also organized the domestic and foreign trade roadshow while issuing the H share, further deepening the understanding of the investors and the market on the company.



Li Guohong, the chairman of the company, visited the China-Lac Cooperation Fund



Wang Peiyue, the general manager of the company, communicated with investment institutions

Compliance Management

Integrity management according to law

The company continuously strengthened the construction of the compliance system, established and improved various rules and regulations in strict accordance with national laws and regulations, and operated in good faith according to law. The company regularly carried out legal publicity and organized many legal and discipline inspection lectures to further improve the awareness of legal risk prevention of the company's management layer and employees, and improve the professional quality and work ability of employees in compliance management. In 2018, the company achieved the economic contract performance rate of 100%.



Organized to participate in the constitution study and propaganda report meeting

Internal control and risk management

The company continued to strengthen internal control system construction, carefully combed the current status of internal control, established and improved the comprehensive risk management organization system and internal control system, and realized the seamless connection and comprehensive integration of risk management and internal control work. So far, the company has established the complete three-level ("company - business division - three-level enterprise") risk management organization system and annual risk identification evaluation mechanism. The risk management information system has been put into operation, which has effectively covered the company's comprehensive risk management work and effectively promoted the enterprise operation and management.

Integrity construction

The company attached great importance to the work of combating corruption and promoting honesty. In accordance with the work guidelines of treating both the symptoms and the root causes, comprehensive management, punishing and preventing, and paying attention to prevention, according to the laws and regulations, the company investigated and punished violations of laws and regulations and duty crimes, and severely cracked down on corruption and crime of dereliction of duty. In 2018, neither the company nor employees were involved in the corruption cases.

Strengthen the integrity self-discipline consciousness: Strengthened the building of party style and clean government, kept an eye on important time nodes, adopted the methods of issuing notices, forwarding notices and pushing text messages, etc. to form a normalized reminding mechanism, and supervised cadres and employees through red education activities, party building activities and watching warning education films to enhance their sense of integrity and self-discipline, so as to build a strong anti-corruption defense line.

To carry out the specific inspection regulation: Formulated the Measures for the Supervision of the Implementation of the Eighth Provisions of the Central Government, carried out special supervision work on the contents of official reception, office occupancy, official vehicles, and style of writing and meeting, and organized special rectification activities in key areas, investigated and punished 50 issued in 11 items in formalism and bureaucracy, and continued to consolidate the achievements of work style construction.

Strengthen the integrity risk point of prevention and control: Integrated the risk prevention and control requirements into the production and operation, business management processes and employee behaviors, focused on "eight key powers" from top to bottom, found out more than 2,800 integrity risk points, and developed 3,850 countermeasures to ensure that the powers are executed correctly.

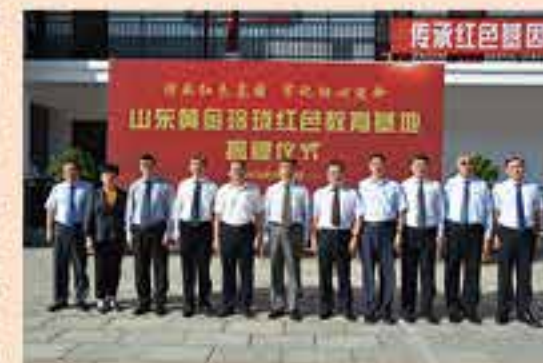
Clear reporting channels: Made the "four-in-one" reporting platform of letters, visits, telephone calls and e-mails smooth, assigned the special persons to handle the clues, assigned the discipline inspection department to investigate the discipline violation problems in a centralized manner, guaranteed the actual effect and quality of case handling, and made firm the serious attitude.

Case

Linglong Gold Mine Built the First Red Education Base in the Industry

In 2018, in order to dig deep the red history of the Linglong Gold Mine, inherit and learn the red culture, further promote the corporate culture system and Linglong spirit, and add spiritual power to the company's successful realization of the "13th Five-Year Plan" strategic goal, Linglong Gold Mine spent one year in completing the high-oriented construction of the SD-Gold Linglong Red Education Base, a comprehensive education base integrating red revolution education, patriotism education, party building work and study, characteristic party building brand display, and party style and clean government warning.

By the end of December 2018, the base has had received more than 60 visits from the Shandong Provincial Tourism Development Committee, and relevant government units of Weifang City, Yantai City and Zibo City, with the visiting person-times of more than 1,230, and more than 100 visits from relevant units of the company, with the visiting person-times of more than 3,000. SD-Gold Linglong Gold Mine Red Education Base made more party members and cadres baptized in the education and understand Linglong Gold Mine in understanding its history and understand the SD-Gold. The base gained the high attention and recognition from resident governments and the society and highly improved the company's influence and reputation.



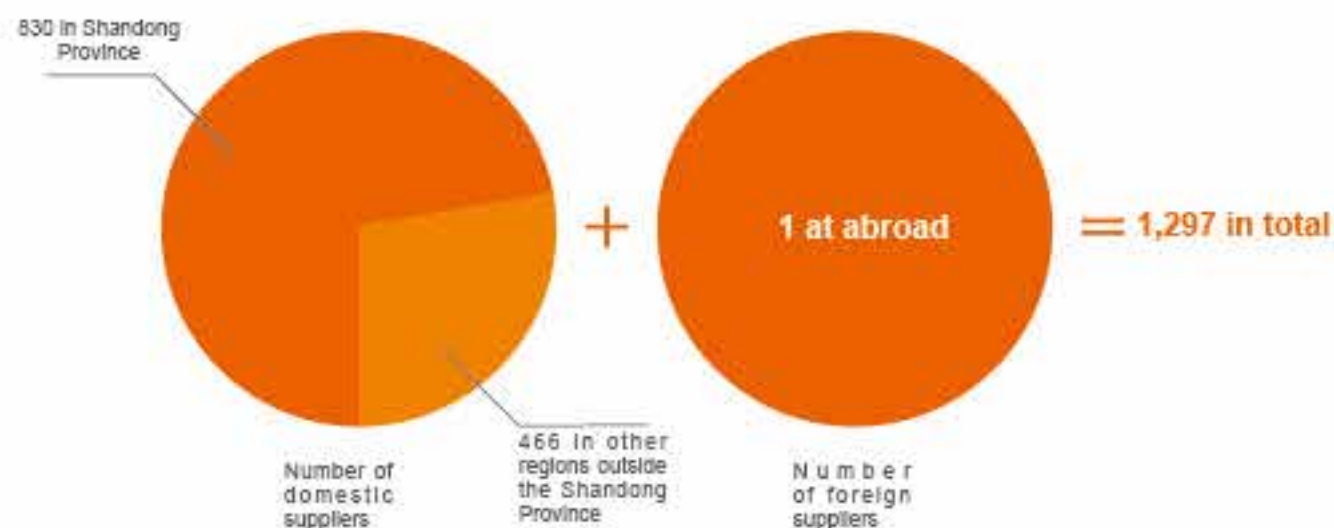
Efficient Management

Product quality and customer relationship management

The company strictly implemented the requirements of the quality management system, focused on the needs of customers, conducted quality inspections on incoming materials and delivered products in accordance with national standards, and established and improved customer communication mechanisms. The Gold Smelting Company of the SD-Gold has passed ISO9000 and ISO1400, ISO1800 certification, LBMA quality certification, and CNAS certification. The company has been accredited by Shanghai Gold Exchange as "entitled to provide standard gold ingots" for many consecutive years. The "Taishan" standard gold and "SD-Gold" brand products, with the excellent quality (quality pass rate: 100%), have not been involved in any complaint for many consecutive years.

Supply chain management

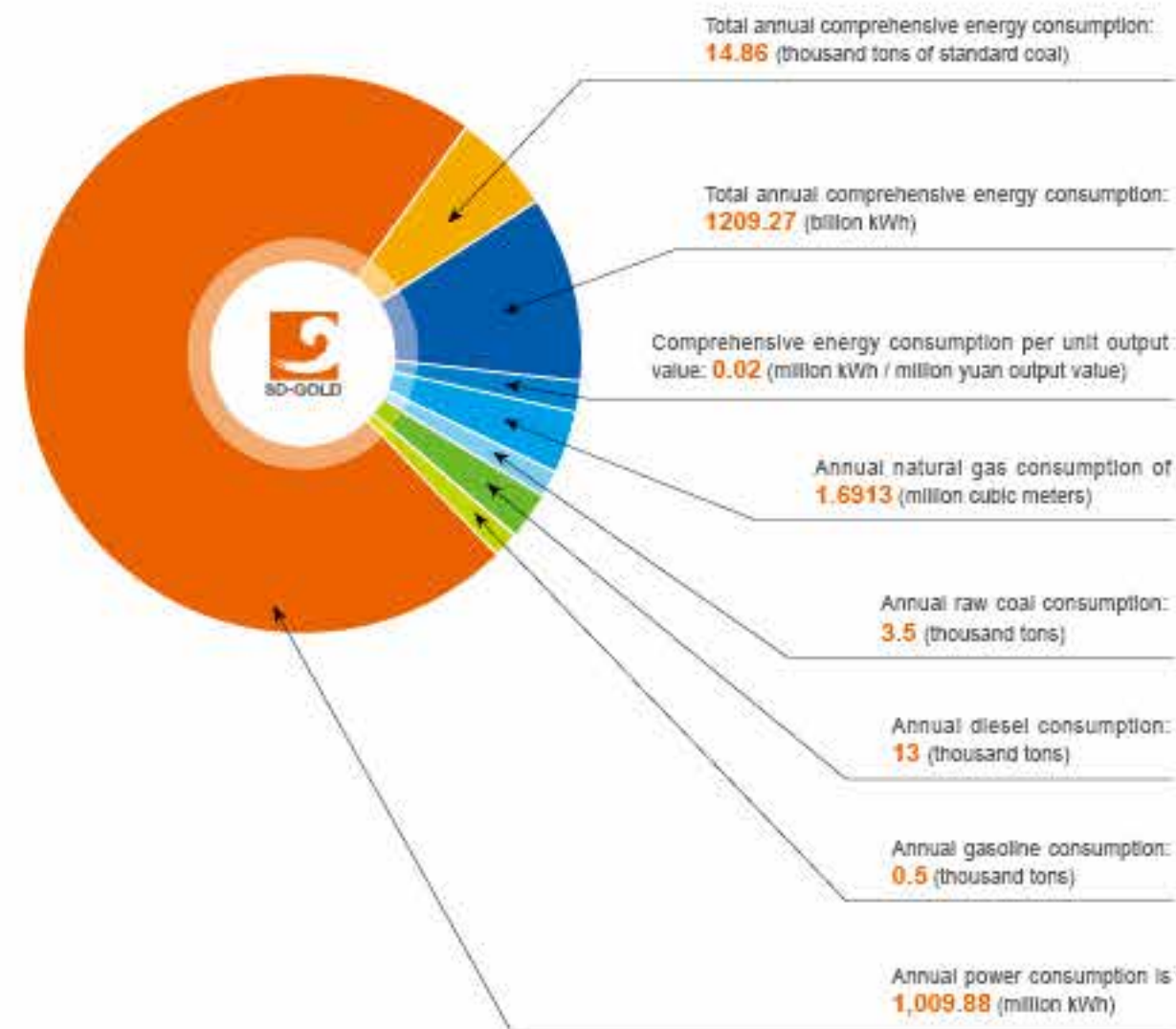
The company has formulated the detailed supplier management system, timely established the Supplier Information Book and the Statistical Table for the Successful Bidding in Material Tendering and Purchasing, and earnestly implemented the supplier evaluation system to comprehensive evaluate the supplier's reputation, performance, qualifications, supply quality, contract fulfillment and after-sales service, etc. for selecting the excellent supplier. In 2018, the ratio of suppliers that passed various certifications for quality, environmental and occupational health and safety management systems reached 74%.



Energy management

In 2018, the company continued to improve energy management-related systems and technical standards, strictly implemented energy statistics, encouraged to develop the contract energy management models, promoted the application of clean energies such as solar energy and geothermal energy, and promoted energy conservation and consumption reduction by equipment and process technology transformation, to reduce greenhouse gas emissions from the source and promote the low carbon development.

Annual energy consumption indexes in 2018



Case

Application of Water Source Heat Pump Technology in Guilaizhuang Mining Company

Water source heat pump technology is a new energy-saving and environmentally-friendly technology that turns waste into treasure. This technology uses low-temperature and low-level heat energy of water to transfer low-level heat energy to high-level heat energy through a small amount of high-level power input.

Guilaizhuang Mining Company invested 26 million yuan to build the water source heat pump project, which can save 3,900 tons of coal, reduce emission of 10,218 tons of carbon dioxide, 33.15 tons of sulfur dioxide and 28.86 tons of nitrogen oxides.



Water source heat pump equipment of Guilaizhuang Mining Company

Water saving management

In 2018, the company further strengthened water saving management, promoted the use of water-saving appliances, and returned the beneficiation wastewater to the process system after pressure filtration and then used it after treatment as greening water to improve the reuse rate of water resources. The annual water consumption was 17.44 million cubic meters; and the comprehensive water consumption per unit output value was 289.07 cubic meters / million yuan output value.

Case

Jiaojia Gold Mine Promoted the Application of "Downhole Water Products Water Treatment System"

The Jiaojia Gold Mine used the ultrafiltration (UF) + reverse osmosis (RO) system process to desalinate the downhole water to make it meet the drinking water quality standards. The system has been used in Jiaojia Gold Mine and Wangershui Gold Mine for washing and WC flushing in dormitory building, dispatching building and mining building and as the production water for 35-m thickener and air compressor in beneficiation workshop. The saved running water expense can be more than 0.35 million yuan annually.



Jiaojia Gold Mine "Downhole Water Products Water Treatment System", the first gold mine underground ultrafiltration + reverse osmosis double membrane step treatment and its automatic control technology and equipment

Integration of informatization and industrialization

The company actively promoted the integration of informatization and industrialization, took information automation as the entry point, strengthened the upgrading of process equipment, and encouraged mine enterprises to promote personnel reduction in mechanization and personnel shift in automation. In 2018, the company launched the new OA platform and made the innovation explorations and made the remarkable achievements in the construction of the underlying automation subsystem and the integrated management and control platform for mine production and management.

Case

Jiaojia Gold Mine won the honorary title of "Excellent Unit in Integration of Informatization and Industrialization in Shandong in 2018"

Jiaojia Gold Mine established a leading group for informatization and network security. In 2018, it added and revised 32 informatization management systems, conducted the division of duties on the construction, operation and maintenance of the whole mine automation system and standardized the management of the informatization and automation control system. Meanwhile, the company newly developed the ventilation automation system, and optimized and transformed the personnel positioning system, the beneficiation automation system, the production management control system, the production quality management system, the salary management system and the material management system. The company organized 14 special trainings including integration of informatization and industrialization, data protection, data analysis, virtualization technology and data storage, etc. and cooperated with Huawei, H3C, Hikvision, Sangfor, University of Science and Technology of China, Changsha Digital Mine, ZTE, Shandong Computer Science Center, etc. to conduct network security and cutting-edge technology exchanges or training, with the annual accumulated training quantity of more than 400.

On December 27, 2018, the Jiaojia Gold Mine's informatization and industrialization integration management system passed the final review of the Ministry of Industry and Information Technology of the PRC. On December 28, this mine was awarded "Excellent Unit in Integration of Informatization and Industrialization in Shandong in 2018".



Case

The Level of Automation and Informatization of Linglong Gold Mine Has Been Significantly Improved

In 2018, Linglong Gold Mine continued with its own characteristics to construct the compressed air automation subsystem, the drainage automation subsystem, the automatic sampling system for raw ores and the safe production control information system, which greatly improved the automation and informatization level of the mining area.



Scientific and Technological Innovation

The company has always regarded the scientific and technological innovation as the core driving force for enterprise development, encouraged all employees to innovate, attached importance to innovation platform and talent team building, increased R&D investment, paid attention to protecting intellectual property rights, continuously enhanced independent innovation capability and scientific and technological research and development capabilities, and encouraged and supported affiliated enterprises to promote the construction of industrialization of scientific and technological achievements, as a result, the company has made many achievements industrialized and achieved good results. In 2018, the company invested a total of 306 million yuan in science and technology research and development, with 210 scientific research projects conducted.

Major scientific research projects

In 2018, the company won 19 provincial and ministerial awards, 1 provincial science and technology progress award, 1 provincial science and technology award from the Ministry of Land and Resources, and 17 science and technology awards from China Gold Association. For the first time, the company, as the leading unit, successfully organized a national key R&D plan of 13th Five-Year Plan called "Deep Metal Mine Green Mining Key Technology R&D and Demonstration", which was also the historical breakthrough made by SD-Gold in the national key project declaration work.



The 13th Five-Year Plan National Key R&D Plan Project Launching Meeting

Case

SD-Gold Strengthened Intellectual Property Protection

With the intellectual property work as the starting point, the company effectively combined intellectual property work with science and technology management, promoted the integration of intellectual property work into scientific research project approval and project acceptance assessment, and promoted the inclusion of intellectual property work indicators in the performance appraisal indicator system of engineering and technical personnel and unit leaders, held practical training on the application of intellectual property rights of enterprises, further enhanced the ability of employees to use intellectual property policies, actively sought for technical blank in industrial development and served for expanding around the three main lines of "deep exploration", "overseas development" and "green mining". In 2018, the company additionally gained a total of 72 national authorized patents, with the total number of patents reaching 231.



Lectures on intellectual property rights

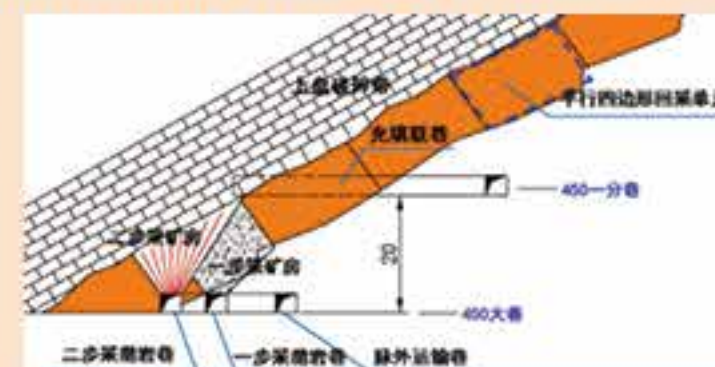


Patent certificate

Case

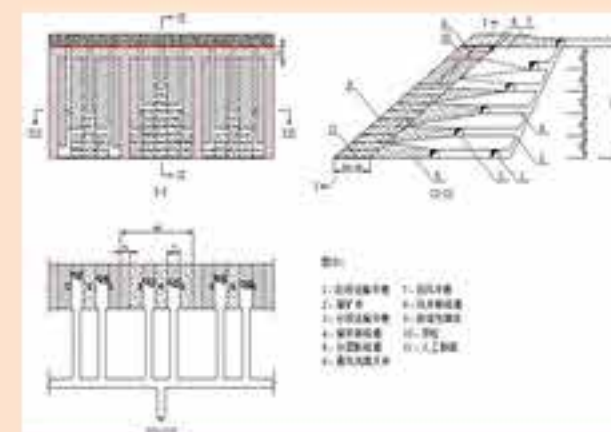
Research Achievement of Key Technologies in Safe and Efficient Mining of Difficult-to-mine Orebodies of Altered Rocks under Large Fracture Zone

The "Research Achievements of Key Technologies in Safe and Efficient Mining of Difficult-to-mine Orebodies of Altered Rocks under Large Fracture Zone" of Jiaojia Gold Mine, with the purpose to develop the key technologies in safe and efficient mining of gently inclined moderately thick ore body of altered rock under large fracture zone, through revealing broken rock degradation and instability mechanism under the fracture zone and using the self-supporting characteristics of the broken rock, developed a new mining method of medium-deep hole double-span segmentation mining and filling, solving the world-wide difficult technical problem. After the application of this research achievement, production capacity was increased by 3.6 times and the accumulated economic benefit reached 136,359,700 yuan. This research achievement won the third prize of Shandong Science and Technology Progress Award.



Case

Research and Application of Technologies in Safe and Efficient Recovery of Thick and Large Broken Orebodies



Xiaohong Gold Mine carried out a research project for safe and efficient mining technology of thick and large broken orebodies. Through the basic work of rock mechanics experiment, joint failure investigation and rock mass quality evaluation, combination with mine production situation, and applying engineering analogy, numerical simulation and other means, it innovatively proposed to use the stress wave upward horizontal layered filling and mining method. After application of this method, the production capacity of the panel reached 6400t/d, an increase of 2300t/d compared with the previous one, with the production capacity increased by 56.1%. In 2018, the increased economic benefit was more than 19 million yuan.

Scientific research platform construction

The company has a number of innovation platforms such as state-level enterprise technology centers, provincial academician workstations, post-doctoral workstations and provincial-level technology innovation platforms. The company has steadily advanced the construction of each platform, given play to the advantages of being close to the production line, and continuously increased the R&D investment to continuously provide enterprises with innovative momentum.

In 2018, the company successfully applied for the "Shandong Provincial Metal Mine Deep Resources Comprehensive Utilization Engineering Laboratory" according to the relevant requirements of the Provincial Development and Reform Commission, with the research direction mainly including deep well construction and upgrading, deep rock mechanics, paste filling, tailings comprehensive utilization, multi-metal comprehensive recycling, non-toxic non-cyanide leaching and other key mining technologies. The deep well mining laboratory, filling engineering laboratory and smelting laboratory built by the company have made great progress in the construction of talent team, experimental sites and equipment, and project development, etc. The newly added scientific research equipment was worth more than 4 million yuan and more than 10 scientific research projects were carried out. Therefore, the R&D level of the company was enhanced effectively.



Scientific research platform

Innovation atmosphere creating

The company actively promoted the construction of "innovation studios" and organized scientific and technological training and technical exchange activities for many times. In 2018, the company carried out internal results selection, excellent paper selection and other activities to encourage employee innovation, and rewarded 175 scientific and technological achievements, including 38 scientific and technological progress awards and 137 technological innovation awards, with a total award amount of 1.435 million yuan.



"Postdoctoral Lecture Hall" Series Activity



Postdoctors in the Frontline of Mine

Case

"Achieve the SD-Gold's Dreams by Scientific and Technological Innovation" Activity Week was Held

In May 2018, the National Science and Technology Activity Week was officially launched. In response to the national call, the company organized a science and technology activity week with the theme of "Achieving the SD-Gold's Dreams by Scientific and Technological Innovation" within the company. During the period, the company organized a series of events:

- (1) Introduced 37 high-value application results in two times, 19 of which were promoted and applied by 8 enterprises, achieving economic benefits of more than 10 million yuan, expanding the application scope of scientific and technological achievements, enhancing the value of scientific and technological achievements, and providing technical staff with a platform for learning technical resources.
- (2) Organized 20 outstanding innovation studios to exchange experience on the construction of studios, summarization and application of results and technology promotion in Jiaola Gold Mine.
- (3) Conducted the first excellent scientific and technological papers selection activities, and awarded 158 scientific papers, 10, 15, 40 and 93 of which respectively won the first prize, the second prize, the third prize and the encouragement prize in terms of the scientific papers.
- (4) Organized the filling technology exchange meeting in Linglong Gold Mine, understanding the current status of the company's mine filling, analyzing the existing technical problems of mine filling, sharing technical innovation achievements, learning from the experience of technological innovation to solve the existing filling technology problems of various enterprises.
- (5) Focusing on technical issues such as mine ventilation, surrounding rock support, deep well excavation and lifting, cyanide-free ore dressing, high-efficiency grinding, etc., organized technicians to go out to participate in external academic exchanges and other activities to learn about cutting-edge mining, beneficiation and smelting technologies and experience to improve the overall scientific research level of the company.



Innovation studio experience exchange



Filling technology exchange meeting



Paper appraisal



External technical exchanges

Sustainable Development

The company focuses on the sustainable development and utilization of resources. The company has improved the mining recovery rate and the recovery rate of mineral processing by optimizing the mining technology and strengthening the updating and transformation of processing equipment. The company continues to carry out research on how to deal with the complex environment and how to exploit deep resources efficiently, increases the recovery efforts of associated minerals, tailings and residual minerals, continuously improves the level of comprehensive utilization of resources and realizes the sustainable development of the enterprise finally. In 2018, the company recovered 458,000 tons of residual ores.

Case

The comprehensive utilization of Xincheng gold mine and the recovery of residual ore were remarkable

Improve the mining recovery and the comprehensive utilization of solid waste: the Xincheng Gold Mine has been using the upward horizontal stratified filling (cementing) method and the path filling (cementing) method. In 2018, the company carried out automatic transformation of the filling system, which effectively improved the filling strength and reduced the ore loss rate and the ore dilution rate, both of which were below 5%, and ensured the ore recovery rate of more than 95%. By backfilling the waste rock in the mined-out area and cemented filling of tailings, the amount of waste rock discharge and tailings discharge were reduced. In 2018, the company reduced the discharge of waste rock by 270,000 t and tailings by over 700,000 m³.

Recovery of low-grade ores: by studying the occurrence state of low-grade ores, a variety of recovery schemes were selected for demonstration and reasonable recovery schemes were adopted. In 2018, a total of 472,300 tons of low-grade mineral resources were utilized, with an average grade of 1.45 g/tm and an amount of metal of 684.34 kg.

The residual ore mining technology research and application: according to the survey of the residual ore resources in the soft broken medium and the spatial location, the original prospecting and mining engineering were carried out, giving priority to clean and secondary support. By using the drift-and-fill method and strictly controlling the engineering section, the whole section support operations in small sections were carried out, after which the cemented filling was conducted. In 2018, there were 827m of roadway tunneling and supporting construction completed in the soft broken medium, 63,700 tons of ores were extracted, and the gold output reached 5,675 tons.



Case

The low grade ore resources of Linglong Gold Mine were recovered with low cost and high efficiency, which improved the production capacity greatly.



Since 2018, Linglong Gold Mine has cooperated with Central South University on data retrieval, mining method design, mathematical method optimization and field industrial test to study and determine reasonable mining technology and mining method for efficient mining of low grade gently inclined ores of the Dongfeng Mining Area.

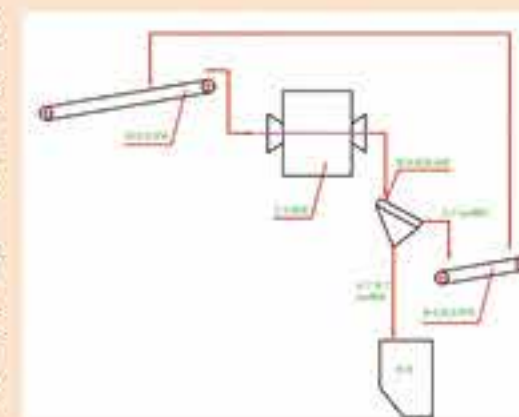
By setting up the post pillar to support the hanging side, the exposed area of the stope was reduced, effectively controlling the roof falling and rock stress movement, which ensures safe mining of the company. Meanwhile, the 6.0m x 4.5m tunnel mining method was adopted, which greatly increased the amount of primary ore carving, with the help of the drill jumbo and the scraper, the production efficiency and the degree of mechanization were greatly improved. As a result, the production capacity of the stope was increased to 200 tons/day. After the mining, the non-cemented filling technology of graded tailings was adopted to effectively reduce the filling cost and solve the problem of heaping water aboveground. This mining method is simple and practical, with good compatibility, reasonable stope structure, and flexible production and high efficiency. It can solve the technical problems in mining gently inclined medium-thick low-grade ore bodies and realize safe, efficient, low-dilution and low-cost mining.

Case

Guilaizhuang Mining Company strengthens self-grinding system upgrades to improve ore recovery rate.

Guilaizhuang Mining Company adopts all-line cyclotron CIP technology to process bronze-type micro-fine grained gold-containing oxidized ores and low-sulfide carbonate-type micro-fine type ores. According to the mineral processing experiments conducted by many domestic research institutes, the highest leaching rate fineness can be achieved if the grinding fineness of 200 mesh is more than 95%. In order to improve the grinding fineness and the ore dressing recovery percentage, the original semi-automatic grinding system in the ore dressing workshop was reformed.

Drawing on the experience of mines of the same type, the company removed the fine self-returning screen from SAG mills in the ore dressing workshop, and installed a new 3mm screen-slot linear vibrating screen, which formed a closed-circuit grinding system with the return conveyor and the SAG mill. This can make full use of the crushing capacity of the SAG mill, ensure the ore processing capacity, reduce the grinding particle size, improve the grinding fineness, and at the same time, reduce the load of the sand pump, swirler and other equipment, as well as the power consumption and the equipment wear. Better economic benefits have been achieved through the upgrades of the SAG material return system, with the profit increased by RMB 0.648 yuan/t for dry ores, and the revenue increased by RMB 1,306.8 yuan/day if calculated at 2100t/d in terms of the ore processing capacity.



Case

Application of the New Ore Dressing Technology of Sanshandao Gold Mine

In the process of dressing the oxidized ore, two-stage re-dressing technology was adopted used. In the first stage of the ore grinding closed circuit, the jigger joint shaker process was used to recover part of the coarse-grained gold, and the gold concentrate grade was above 100g/t, while in the second stage, the Nielsen centrifugal concentrator was adopted to re-dress and recover the coarse-grained gold, and the gold concentrate grade reached more than 200g/t. As a result, the two-stage re-dressing and recovery rate reached 50% of the total recovery rate, which reduced the pressure for flotation and improved the total recovery rate, making the total recovery rate of re-dressing and flotation in the course of the oxidized ore dressing reach over 87%.



Case

Xinhui company to improve the comprehensive utilization of resources

The mines of Xinhui company mainly contain gold, and the associated minerals such as silver, lead, zinc and sulfur can be recovered and comprehensively utilized. The mine recovers silver while recovering gold, after cyanidation of the concentrate, the cyanide residue enters the lead and zinc company for comprehensively recovering the lead and zinc associated with the concentrate, and the sulfur concentrate is sold as the raw material for sulfur making.

In 2018, the company used 11,737 tons of cyanide residue and produced 7,347 tons of lead-zinc concentrate powder, with a comprehensive utilization rate of 96.82%. Some waste rocks are used to fill the worked-out area underground, and others are raised through the shaft and temporarily stored in the waste rock storage yard to be sold as building materials. The tailings slag are also used to fill the worked-out area underground. The underground water is discharged to the dressing process pool. The wastewater produced by the dressing process is discharged to the tailings pond with the tailings, and the clear water from the tailings pond is returned to the dressing process pool.



Environmental Responsibility

Green Management
Green Production
Green Mine

Green Management

Environmental Management

In accordance with relevant laws and regulations on environmental protection in China, the company has established an environmental protection management system. Adhering to the idea of green development of "Shandong Gold, Ecological Mining" and "Protecting Green Hills and Clear Waters on the Earth with Heart and Love", the company sticks to the basic state policy of saving resources and protecting the environment, strengthens the environmental impact assessment of renovation and expansion projects, and strictly implements the "three simultaneous" system for environmental protection facilities construction, in order to giving consideration to environmental protection and mine production and operation. In 2018, the company organized its subordinate enterprises to comprehensively revise the environmental protection management system, set up the ecological mining committee, prepare the emergency plan for environmental emergencies, and further perfect the environmental management system of the enterprise.



Summary of environmental protection system of Xincheng Gold Mine



Environmental emergency plan of Linglong Gold Mine



Environmental emergency plan of Laxi Gold Mine



Environmental emergency plan of SGM Shenzhen

Environmental Training

The company focuses on carrying out environmental protection related activities, to strengthen internal exchange of environmental protection technology and cultivate employees' environmental awareness and responsibility. In 2018, the company held 45 environmental trainings, with a total of 5,009 employees present.



Environmental Training

Green Office

The company advocates green health office and paperless office, and encourages all employees to use double-sided paper, reduce the use of disposable office supplies, turn off office equipment before leaving office, taking public transportation, riding a bike or walking to and from work. The company also purchases energy saving, water saving, material saving products to practice the idea of green development.

Public Welfare Activities on Environmental Protection

The company carries out various public welfare activities on environmental protection, such as afforestation, sowing grass seeds, environmental protection publicity, etc. the on Tree Planting Day, the World Environment Day, the Energy Conservation Week, and the National Low Carbon Day to extensively Environmental awareness and ecological awareness.



Tree Planting Activity

Case

Yinan Gold Mine's environment day theme event on June 5, 2018

In order to enhance the environmental awareness of all employees and encourage them to participate in the construction of beautiful mines, making the idea of green development of "green hills and clear waters are our true wealth", the Yinan Gold Mine organized an event themed "Beautiful China, My Responsibility" on June 5, 2018, according to requirements under the LJSHTF [2018] File 1, Notice on Carrying out Theme Event on June 5, 2018.

1. Set up consultation and education centers for environment day

The company has set up 8 environment day publicity and consultation points in each mining area to disseminate the environmental protection policies and regulations, where the Environmental Protection Brochure and Environmental Protection Proposal were issued, the slogans were put up, and the bulletin boards were added, with the theme of "the origin of the World Environment Day", "theme of World Environment Day 2018", "the reason why the theme of China Environmental Day is 'Beautiful China, My Responsibility'", "China's current environment pressure", and "how to make China more beautiful", etc.

2. Organize the study of environmental protection laws and regulations

The company arranged staff to study the Environmental Protection Law, Law on the Prevention and Control of Water Pollution, Law on the Prevention and Control of Atmospheric Pollution, Law on Environmental Protection Tax, and other relevant laws and regulations, in order to improve their legal awareness.

3. Carry out the environmental protection inspection titled as "Beautiful Mine, My Responsibility"

According to the requirements of the Circular on Carrying out A Campaign to Promote Ecological Environment Management and "Three Wastes" Up-to-standard Discharge of Enterprises under LIAZ [2018] Circular 59, the company carried out the environmental protection inspection, and found out and listed 14 problems. Accordingly, the company timely set out improvement plan and certification measures, and assigned persons responsible and time nodes.

4. Organize the tailings pond environmental emergency drill

The environmental emergency drills were carried out respectively in the copper tailings pond by simulating dam break and in the gold tailings pond by simulating the pipeline leakage accident, aiming at proposing rectification measures for the existing problems and making changes to the plan for environmental emergencies, thereby further strengthening the environmental risk control ability and the ability to deal with environmental emergencies.



Green Production

The whole company pays high attention to the ecological and environmental protection. In response to the call for pollution prevention and building a world with blue sky, clear water and pure land by Chinese government, the company carried out ecological environment management and "three wastes" treatment. All affiliated units actively carried out self-examination and self-correction, effectively promoting the rectification work of the whole company. As a result, no environmental issues have arisen in the course of the review by China environmental protection supervision committee and other environmental protection agencies at all levels. In 2018, the total investment in environmental protection of the company reached RMB 74.82 million yuan.

Waste Gas Pollution Control and Treatment

In 2018, the company's all affiliated enterprises in Shandong province put an end to the use of coal-fired boilers. All mines set up the spray devices in the main sites where dusts were raised, upgraded the dust control facilities, and carried out regular spraying of roads in the mining area. The acid gas and nitrogen oxide waste gas produced by the Gold Smelting Company during the gold refining and extraction were transported to the external absorption and purification treatment device through the pipe system for ventilation and collection in the workshop, which met the secondary emission standards stated in Table 2 of the Integrated Emission Standard of Air Pollutants (GB16297-1996) in terms of the emission concentration and the emission rate.



Bladder type high efficiency dust removal facility



Automatic Sprinkler



Acid Gas Absorption Tower



Nitrogen Oxide Absorption Tower

Waste Water Treatment

The company's wastewater is mainly domestic sewage, mine water and industrial wastewater. The domestic sewage is treated by the sewage treatment facility and used for plant greening, road spraying and toilet flushing. The mine water is used for underground mining and ore dressing production. The concentrated water for ore dressing and tailings water are recycled. The grinding and flotation process water is directly used in the gold concentrate pulping section. The cyanide process water is treated and used for the cyaniding section. The smelting process water is returned to the cyaniding section and the grinding and flotation section after neutralization treatment.



Sewage treatment plant

Solid Waste Treatment

Non-hazardous waste disposal: The waste rocks produced in the course of mining are mainly used for underground filling, damming of tailings ponds, and buildings construction, etc. The tailings produced by ore dressing are mainly used for underground filling and filling of subsidence areas. In 2018, Jiaojia Gold Mine took the lead in using tailings for geological disaster recovery, reducing tailings by 1.23 million tons per year.



Backfilling Station



Automated Filling System



Dewatering and Reuse of Tailings in Jiaojia Gold Mine

Hazardous waste treatment: All mines of the company have temporary storages of hazardous wastes that meet the standards, and implement the system of transfer of dangerous wastes to qualified units for disposal. The cyanide-related enterprises of the company have completed the transformation of the facilities for harmless treatment of cyanide residues, and the cyanide residue storage has fulfilled the requirements of "Four Preventions".



Jiaojia Gold Mine's Temporary Storage of Hazardous Wastes



Noise Barrier of Linglong Gold Mine's Dressing Plant

Noise Control

The company encourages its subordinate enterprises to adopt low-noise equipment and process, in order to reduce noise from sound source, and adopt sound absorption, sound insulation, noise elimination, shock absorption and other measures to reduce noise. As for the noise to be caused by explosion, it is suggested to reasonably arrange blasting cycle and blasting time to reduce the impact of noise on the surrounding environment.

Green Transportation

The roads for transportation in the mining area are regularly sprinkled with water to reduce dust and regularly cleaned. The vegetation is planted on both sides of the road. The vehicles are required to be covered when transporting ores or wastes, and no falling is allowed during the transportation process.



Road Sprinkler

Case

Jinzhou Company to vigorously implement clean production project

Jinzhou Company regularly organizes clean production training and clean production evaluation and acceptance, and accelerates the elimination of obsolete production capacity to reduce waste discharge from the source by introducing "four new" energy saving technologies. In terms of comprehensive utilization of resources, tailings and waste rocks generated in the production process of the company are mainly used as underground filling materials, and some of them are used for processing pebbles and new types of construction material. In terms of wastewater treatment, the mineral processing wastewater overflows to the circulation pool after being precipitated, and is recycled in a closed-circuit way, realizing "zero" discharging. The overflow water of concentrates and the seepage water of tailings are partly used for water sprinkling and dust removal of tailings pond, some return processes, and the insufficient parts are supplemented by underground water. Domestic wastewater is treated by NLB integrated domestic sewage treatment device and used for farmland or garden irrigation after reaching the standard. In terms of dust emission in the mining area, the road surface is regularly sprayed with water to reduce dust, some employees are specially assigned for road cleaning and maintenance, the roads in the production area are covered with dust screen, the dust hood is set above the stirred tank of the filling station, the cement dust generated by the blank is discharged to the standard after being treated by the bag-type dust remover. All these measures ensure the mine environment to be clean and tidy. In terms of new energy utilization, the company has transformed coal-fired boilers into environment-friendly boilers that use biomass fuel, achieving the goal of clean production.



Clean Production Mobilization and Training Session of Jinzhou Company



The Environmental Protection Facilities for Clean Production Project

Case

Remarkable Achievements of Gold Smelting Company in Research on Environmental Protection Technology and Construction of Green Plants

Achievements in environmental protection technology research: In 2018, Shandong Gold Smelting Company conducted the "cyanide residue harmless treatment technology research and development and application" project in which new types of filter pressing technology products were adopted for efficient filter pressing and washing of cyaniding tail pulp, to remove focus of stable precipitates of high concentration of cyanide, sulfur, and heavy metals with relatively high concentration. No harmful gas is generated during the whole process. The resultant is stable and is directly sold after solid-liquid separation, and the liquid was recycled, which avoids secondary pollution caused by liquid discharging and solid storage, and has higher environmental benefits.



Cyanide residue harmless treatment facilities

Green factory construction: the company adhered to the two main lines of "green factory's general requirements conformity evaluation and green factory's evaluation index evaluation" by clarifying responsibilities, strengthening implementation, and completing the signing of responsibility certificates by employees at all levels. The company invited experts for green plant construction for special training, and fully carried out green plant pre-evaluation and energy system certification. By now, the quality system review, occupational health and safety, and environmental management system review, and energy management system certification, as well as social responsibility report, greenhouse gas emissions report and self-assessment report have been completed. From October 10th to October 13th, the company has entrusted a third party to carry out external review and provide the third-party evaluation report. The final evaluation score was 91.88 points, which means that the company has achieved intensive use of land, clean production, and waste recycling, with harmless raw materials and low-carbon energy.



Various types of Quality Management System Certifications

Environmental performance



Note: (1) greenhouse gas emissions are presented in terms of carbon dioxide equivalent.
(2) As the packaging is rarely used in manufactured goods, it is not disclosed in this report according to the principle of materiality.



Green Mine

During the mine construction, the company has implemented scientific and orderly exploitation of mines, paid attention to protect the natural environment and biodiversity, and never exploited or mined in the world heritage site or the protection zone. In addition, the company advocates the economical and intensive use of land, puts an end to the pollution of soil environment, and actively carries out ecological restoration, land reclamation, geological disaster prevention and other work in each mining area.

All affiliated enterprises of the company strictly follow the Opinions on Implementation of the Ecological Mining and Green Mine Construction Plan 2018-2020 of Shandong Gold and the green mine construction regulations, and push the green mine construction in an orderly manner. At present, four mines of the company have been awarded "national-level green mines" and three mines have been awarded "national-level green mine pilot units". In 2018, Xincheng Gold Mine successfully passed the first batch of third-party spot check and evaluation of green mines organized by the Ministry of Natural Resources and reached the 5-star standard, which set a good example to other mines. By 2020, all gold mines of Shandong Gold will meet the national green mining standards.

Case

Linglong Gold Mine, the "Five-type Mine", Brighten "Shandong Gold Ecology Mining" brand

In 2018, Linglong Gold Mine followed the five development concepts of "innovation, harmony, green, openness and sharing", carried out achievement transformation based on scientific and technological innovation, and transformed patterns from seeking for greater perfection to fine management, with the purpose to promote the brand image of "Shandong Gold Ecology Mining", and build "safe, green, innovative, sustainable, and beautiful" mines.

The company has built 5000m³/d sewage treatment system, which meets the requirements of "Shandong Peninsula Basin Integrated Water Pollutant Discharge Standard" (DB37/676-2007) and Revision Sheet for Shandong Peninsula Basin Integrated Water Pollutant Discharge Standard in terms of the quality of treated wastewater. The company has developed and introduced the "Dual prevention software system" and equipped the security personnel with "headsets", in order to find and solve the hidden dangers on site immediately. The company has developed intelligent control system of occupational hazards and the automatic stone crusher, auto reverse cover plate for the ore-pass and linkage spray dust removal device to minimize the dust generated in the process of rolling over. The company has developed a smart electric leakage detection device and fully adopted 36V safety voltage to improve the safety level of electricity. At the same time, the company has actively carried out the greening and restoration work, with an cumulative environmental treatment area of more than 50,000 m², green land restoration area of more than 10,000 m², and wetland restoration area of hundreds of acres. The greening work of Dongfeng mining area and the "Garden-style" mine construction of Lingshan mining area have been completed smoothly. Every spring, hundreds of water ducks, egrets and other birds are attracted to Lingshan tailings pond. Some of them nest, and others stay and forage for food, which has become a beautiful scenery.

Through the construction of "Five-type Mine", Linglong Gold Mine has promoted the development of the enterprise, and showed a good mental outlook, and at the same time, it has won good comments and recognition from the local people, which further improves the image brand of "Shandong Gold Ecology Mining".



Beautiful mining environment



Newly-built sewage treatment system

Case

Chifeng Chaihulanzi Gold Mining Co., Ltd. to pass the municipal level green mine evaluation and acceptance

Chifeng Gold follows the development concept of recycling economy, low carbon economy and clean production, and is committed to building national level green mines. Inner Mongolia Chifeng Geology and Mineral Exploration and Development Co., Ltd. organized authoritative experts in the fields of environment engineering, geology, mining and mineral processing to go to Chifeng Gold for green mine assessment on December 10, 2018. After two days of professional and careful evaluation, Chifeng Gold successfully passed the municipal level evaluation and acceptance of green mine.



Beautiful mining environment

Safety Responsibility

Safety Management
 Safety Production
 Safety Education
 Occupational Health and Safety

Safety Management

The company is committed to implementing the "13th Five-Year Plan" strategy and realizing the "double zero" goal. In order to enhance the level of safety management, the company has firmly adhered to the concept of safe and secure development continuously strengthened the construction of safety management system, and further carried out the responsibility system and responsibility monitoring system.

■ Safety Responsibility Management

In order to realize safe production, the company has established and improved the "trinity" safety responsibility certificate assessment pattern and Safety Director assessment ranking mode, strongly promoted the construction of "dual prevention system", and formulated a number of safety management systems and operating procedures, such as the Opinions on How to Do A Good Job in Safety and Environmental Protection Work 2018.

Case

Jinzhou Company's "dual prevention system" construction to become a highlight

In order to better construct the "Dual Prevention System", Jinzhou Company has specially set up an office, revised and compiled the "Dual Prevention System" manual, and built the "Dual Prevention System" information platform, which ensures the scientific and standardized operation of the "Double Prevention System". In 2018, the company passed the provincial evaluation and acceptance of the construction of "dual prevention system" and the inspection of law enforcement in different places.



■ Safety Responsibility Supervision

In accordance with the instructions of the leaders to strengthen the on-site supervision and inspection, the company has strengthened the on-site inspection and the responsibility assessment. The company has implemented the safety assessment indicators notification system and the safety director responsibility system for on-site inspection and supervision, and effectively carried out the monthly, quarterly professional inspections of "A Pair of Responsibilities".



company leadership close to on-site inspection

■ Management of explosives and hazardous chemicals

The company has strictly implemented the national Regulations on Safety Management of Hazardous Chemicals, Regulations on Safety Management of Civil Explosives, and "Measures on Supervision and Administration of Fire Control Safety of Inflammable and Explosive Chemicals", and strictly controlled the procurement, transportation, use, storage and other links of hazardous chemicals involved in the production. In 2018, the company carried out special activities on standardizing the qualification of blasting operations, explosives and the management of outsourced engineering teams. Each mining business department also formulated reward and punishment measures for special governance to track and supervise its progress.

■ Tailings Pond Management

In order to better realize the safety management of tailings ponds, the company has formulated a series of management systems such as the Regulations on Dust Control of Tailings Pond, Tailings Pond Construction Safety Management System and Tailings Pond Online Monitoring Management System, and carried out special inspection and rectification of tailings pond every summer.



Dust spray treatment of tailings pond



Beach surface greening of tailings



Tailings pond system billboard

■ Contractor Safety Management

The company has ordered all of its mining enterprises to revise the outsourced construction team management system, and conducted special treatment on the construction team with low employee quality, high mobility and low mechanized operation level. In 2018, Yinan Gold Mine retired 2 outsourced construction teams and introduced 13 scrapers to replace the worker.

Safety Production

The company has vigorously promoted the standardization of safety production and the strategy of using technology to strengthen safety, and continuously increased capital investment. In 2018, the company invested a total of RMB 315 million yuan in safety production, and took effective measures for safety production. There were no major production safety accidents all year round, and no death caused by work-related injuries.

■ Safety Production Standardization

In order to realize the safety standardization, the company has continued to promote safety standardization work. By 2018, Sanshandao Gold Mine, Jiaojia Gold Mine, Xincheng Gold Mine, Linglong Gold Mine, Yinan Gold Mine, Guilaizhuang Mining Company, Penglai Mining Company, Smelting Company, Xihe Zhongbao Company, Jinzhou Company, Chifeng Gold and many other enterprises of the company have reached the "safety production standardization level II".

Case

Linglong Gold Mine to remove hidden dangers and help build a safe and beautiful Shandong Gold

Linglong Gold Mine has worked out 20 management concepts since 2018. By carrying out the activities themed as "to remove hidden dangers and build a safe and beautiful Linglong Gold Mine" and "to work hard for 500 days to fully realize safety production standardization", Linglong Gold Mine has actively practiced these new ideas to make new achievements.

Linglong Gold Mine re-established standardized construction standards for operation sites and transportation roadways with high standards and strict requirements in 2018, with a total of 11 major and 72 minor standards being launched. By ensuring safety with system and raising management level with standard, Linglong Gold Mine has rectified main roadways of more than 33,000 meters, established 18 standardized alleys and middle sections, 11 standardized passageways, and 51 standardized operation sites (teams or groups), making each mining area own a standardized work area that has a main mechanized haulage roadway, and each team own a standardized work place."

Linglong Gold Mine also promoted work in all areas by drawing upon the experience gained on key points and further strengthened the safety production by creating a standardized surface and underground workplace to provide a clean and tidy working environment for all employees. Coupled with the efforts to improve the overall management level of the enterprise, the field safety standardization level has been significantly improved.



Linglong Gold Mine standardized haulage roadway

Case

Jiaojia Gold Mine Roadway Support Standardization Project

As the geological and lithological conditions of the Jiaojia Gold Mine are very complicated, the design and construction of the traditional support scheme relies heavily on the experience of designers and on-site workers. There are also shortcomings such as redundant support and unreasonable support schemes. As a result, the safety and reasonable construction cannot be effectively ensured. The project aims to improve the status of underground support, enhance the safety of support, establish support standards, reduce support costs, and improve the economic benefits of the enterprise. Jiaojia Gold Mine has established a database of support design standards, and developed a standardized auxiliary design system for support programs, which won the company's first prize for scientific and technological progress in 2018.



Jiaojia Gold Mine Roadway Support and Auxiliary Design System

Case

Fujian Yuanxin Company safety production standardization and roadway construction activities

Taking the main inclined roadway in No. 252 pit of Hongkuan mining area as an example, and in strict compliance with the Notice on Standardized Construction of Underground Roadway of Shandong Gold, Yuanxin Company has added LED lighting belts, emergency hedge lanes, car type reflector and annular ring with reference to highway design elements.



Emergency hedge lanes



Lighting belts and automatic spray device

Hidden safety danger identification and control

The company has strictly implemented the standards for classification, investigation and treatment of hidden dangers, and hidden dangers identification and control responsibility system and reverse investigation mechanism as well. For the hidden dangers that are not discovered in time and those failing to be effectively controlled, the company will find out who is to blame. In 2018, a total of 556 hidden dangers were detected in Business Department of Yantai Mining and a fine of RMB 123,000 yuan was imposed. There were 339 hidden dangers detected in Business Department of China Mining and a fine of RMB 92,200 yuan was imposed. Each mining business department has formulated reward and punishment measures for major hidden safety dangers control to promote the identification and control of hidden safety dangers. Those who have leadership and management responsibility shall be punished and criticized in a circulated notice for each inspection.



Hidden safety dangers identification



Special fire inspection



Special electrical inspection

Case

Laixi Company to form a closed-loop management for removing hidden safety dangers

Through the "DingTalk" office system, inspection of Laixi Company issue the notice of elimination of potential accidents to the person responsible. After the rectification is completed, the person responsible shall submit the rectification receipt to the inspector, and the inspector shall submit the receipt for review after acceptance, thus forming the closed-loop management of hidden dangers rectification. Mobile phone is adopted to take photos in this three links. By comparing the photos before and after the rectification, the rectification effect can be clear at a glance. These photos will be printed uniformly, which is simple and efficient.

This move can help deliver the elimination of hidden dangers, and realize the closed-loop management. It can also help the company's management personnel follow the company's dual prevention system operation. The above functions are based on the office software originally used by the company. Compared with the software companies of high software production costs, they not only help the company identify hidden dangers, but also reduce the large additional investment.



Laixi company's rectification process for hidden dangers



Before rectification



After rectification

Strengthening Safety with Technology Strategy

In 2018, the company scored remarkable achievements in safety science and technology innovation. Many mines promoted the application of the locking device for safety protection of main ore-pass. The roof support wet type guniting technology of Jiaojia Gold Mine was widely used. The ventilation system of Xincheng Gold Mine was obvious optimized. The automatic replacement and reduction of workers project has gained initial achievements, greatly improving the work efficiency.

Case

Notable achievements in "automatic replacing and reduction of workers"

In 2018, a number of companies affiliated to the company used trackless mining construction equipment, trackless shoveling equipment, drill jumbo and other mechanized equipment, and actively carried out the automatic control upgrade and transformation to each system, as a result, the number of on-site operators was gradually reduced. The underground hydraulic crusher of Sanchaode Gold Mine and Xincheng Gold Mine have realized remote control of the surface; the friction wheel's hoisting ropes of Linglong Gold Mine has been fully installed with online nondestructive testing devices, informative technology and visual technology has been applied in cage lifting of Laxo Company, and the mechanized replacement of works has made new progress, which has effectively improved the labor productivity.



Electric locomotive



Underground scraper



Mineral processing automation



Remote control of ventilation by computers

Case

Remarkable results in the construction of six systems for safety and risk avoidance

The company has established and improved six safety and risk avoidance systems, including fire monitoring and control system, personal positioning system, water supply rescue system, compressed air self-rescue system, communication system and urgent danger prevention system, which provide good conditions for safe production of underground mines and enable it to become another new highlight of safe production project of Shandong Gold.



Mine-purpose safety monitoring device



Video monitoring system



Communication system



Mine operator management system



Compressed air self-rescue device and water supply rescue devices



Permanent refuge chamber

Emergency Management Mechanism

The company has made clear requirements in the aspects of safety production emergency plan management, resource management, information management, science and technology management, team construction and management, training and education, operation guarantee, etc., further strengthened the construction of emergency rescue base and implemented regional emergency rescue resource sharing, thus enhancing the coordination ability of emergency rescue. By the end of 2018, all enterprises of the company have prepared emergency plan for production safety accidents, organized annual drills for emergency rescue of production safety accidents, constantly improved emergency plans and enhanced emergency rescue capacity, and progressively strengthened the emergency disposal capacity of employees.



Emergency plan



Emergency rescue team



Emergency devices management

Safety Education

■ Safety culture construction

The company has bridged a safety communication platform and built a comprehensive safety culture system and comprehensive safety education and training system through various safety meetings, safety education and monthly safety production activities. In this way, the main responsibility of the enterprise was clarified, the management level of safety management personnel was improved, and the safety awareness and ability of employees was strengthened.



Emergency rescue drill in Xincheng Gold Mine



Emergency disposal drill of sodium cyanide reservoir liquid leakage in Guilainzhong Mining Company



Surface fire drill in Yinan Gold Mine



Emergency drill of water intrush accident in Penglai Mining Company



Emergency rescue drill in Jinzhou Company



Underground fire emergency rescue drill in Xihe Zhongbao Company



Safety meeting documents



“Safety Production Month” knowledge competition in Yinan Gold Mine



Regular safety production meeting in Xinhui company



“Miners school” education platform

■ Safety training performance

In 2018, the company organized 1018 various training sessions on production safety, attracting 123,215 employees to attend. Various ways were adopted to ensure the effectiveness of each training including giving awards, commending and notification of criticism.



Safety personnel training in Jiaojia Gold Mine

Fire safety training in Guilaixiang Mining Company

Safety training test in Gold Smelting Company

Occupational Health and Safety

The company pays high attention to the prevention and treatment of occupational diseases, strives to improve the working environment of employees, conducts annual occupational health examination for those who come into contact with occupational hazards, and sets up occupational health monitoring files. The company provides occupational health education and training to employees every year to improve their awareness of occupational disease and fundamentally reduce the occurrence of occupational diseases.

■ Prevention of occupational diseases

Each mining enterprise has formulated and strictly implemented the relevant documents such as Occupational Disease Prevention and Control Management System and Occupational Health and Operation Specifications, increased the percent of pass of dust detection, ventilation, dust prevention, individual protection, noise of comprehensive treatment, and set up warning signs for occupational hazards in places where occupational hazards may exist, in order to better prevent occupational diseases.



Risk Points Billboard

Occupational Hazards Billboard

■ Occupational Health Checkup

The company attaches great importance to the physical and mental health of employees, and carries out regular physical examination for all employees every year. In 2018, the company's physical examination rate of employees reached 100%.



Organizing employees to conduct physical examinations every year

Occupational health checkup report of Fujian Yuxin Company

Case

Shandong Gold to create a new benchmark of occupational health

Shandong Gold Prevention and Treatment Institute for Occupational Diseases was founded in 2011 called as Shandong Gold Prevention and Treatment Center for Occupational Diseases Shandong. As a specialized occupational disease prevention and treatment institution approved to be established and registered respectively by Shandong Gold and Zibo City Health Bureau, it has become the only agency that obtain occupational disease examination qualification within the industry, and has gradually developed into a modern specialized occupational disease prevention and treatment institution integrating medical treatment, health care, teaching, scientific research, occupational disease prevention, first aid and recovery.

In 2018, Shandong Gold Prevention and Treatment Institute for Occupational Diseases actively explored the construction of Shandong Gold occupational disease occupation and rehabilitation center. While providing service to employees of the company, the Institute further develops the market. By now, it has successively undertaken the physical examination of occupational diseases in many external mines of Zibo City, Lingshan City and Laoshan City, and successfully realized the diversified market system of "serving the interior and influencing the exterior". In 2018, a total of 5,537 outsourced personnel accepted the pre-service physical examination, 3,373 employees of various units of the company conducted physical examination, and 3,099 employees carried out the occupational health examination here. The output value was nearly RMB 10 million yuan, an increase of 21.4% compared with last year, and the profit was nearly RMB 1.5 million yuan, an increase of 131.56% compared with last year, exceeding 36.84% over the expected goal. A high-standard occupational rehabilitation center is in the course of construction.



Shandong Gold Prevention and Treatment Institute for Occupational Diseases

Occupational health education and training

The company has incorporated occupational health education and training into safety education and training, and made occupational health knowledge as the key training content. Through regular training and strict examination, the company has improved the occupational health protection knowledge and skills of employees.



Occupational health education and training in Linglong Gold Mine



Random question and answer of occupational health knowledge in Linglong Gold Mine

Employees responsibility

Employees team
Rights and interests protection
Career development
Employees care

Employees team

The company has been implementing Employment Promotion Law of the People's Republic of China, to drive local employment and support the employment of the unemployed and the disabled. As of the end of 2018, the company has possessed a total of 16032 employees, an increase of 1654 compared with the end of 2017.

Employee Structure Table 2018

| Classified by gender | |
|----------------------|-------|
| Male | 12837 |
| Female | 3195 |
| Classified by rank | |
| Top management | 15 |
| Middle management | 196 |
| Grass-roots staff | 15821 |
| Classified by age | |
| Aged 30 and below | 2301 |
| Aged from 31 to 40 | 3836 |
| Aged from 41 to 50 | 7033 |
| Aged from 51 to 53 | 1310 |
| Aged from 54 to 56 | 1067 |
| Aged 57 and above | 485 |

Rights and interests protection

The company strictly abides by national laws and regulations, respects human rights, adheres to the principle that everyone should be treated fairly, and respects and protects the legitimate rights and interests of employees.

Standardized employment

The company strictly abides by the national laws and regulations on standardized employment and adheres to the principle of fairness, justice and transparency. The company employs employees according to the requirements of the post without any employment discrimination; strictly implements various employment policies and prohibits the employment of child labor and forced labor; strengthens employee personal information management, and protects employee's privacy. In 2018, the labor contract signing and renewal rate of the company was up to 100%. The company fully extracted and paid "five social insurance and one housing fund" for employees and arranged their working and vacation time in accordance with the law, in order to protect the rights of workers on rest and vacation, and build a harmonious and stable labor relations. In terms of employee dismissal, the company adheres to the principle of equity and free will, and fairness and reasonableness, strictly abides by the relevant laws and regulations such as Labor Law of the People's Republic of China and the Labor Contract Law of the People's Republic of China, and completes relevant procedures such as archives and social insurance relationship transfer for employees who voluntarily terminate their labor contracts.

| Project | 2016 | 2017 | 2018 |
|--|------|------|------|
| Five social insurance and one housing fund coverage (%) | 100 | 100 | 100 |
| Labor contract signing rate (%) | 100 | 100 | 100 |
| Salary ratio of male and female employees in the same position | 1:1 | 1:1 | 1:1 |

Democratic Management

The company adheres to democratic management and democratic communication. The company protects the employees' right to know, express, participate and supervise according to the law through the workers congress and trade union organization; regularly collects reasonable proposals from groups or teams, and encourages employees to offer advice in an anonymous way, enabling them to speak out freely and exercise their democratic rights; provides legal aid and rights protection for employees free of charge relying on employee's representatives, and regularly holds workers congress and trade union members' congresses to discuss employee's proposals and how to protect their rights and interests.



Jinzhou Company Workers Congress

Salary & Welfare

Salaries and welfares are determined and sent to each employee of the company in accordance with relevant state regulations. The company has formulated the Measures for the Administration of the Total Payroll Budget of Enterprises Directly under Shandong Gold, in accordance to which, the scientific arrangement of employees and the total wages was carried out. The company also implemented the market-based payment strategy, and post-based annual salary system, job performance-based annual salary system, and project performance-based annual salary system. In addition, the company made overall salary adjustments according to the benefits, development and external market salary level, and individual salary adjustment according to post change or performance change.

The company has paid high attention to the life of low-income employees, and set the minimum wage protection line according to the minimum wage standard of the local, in order to ensure that the basic living standard of employees does not drop, and enable each employee to enjoy the fruits of the company's development.



Career development

Employee Career Development Channel

The company has established multiple career development channels of "management + specialty + support" for all employees through vertical career promotion and career transformation..., they have the chance for career advancement Through open competition, job bidding and professional qualification recognition, equal career promotion opportunities are provided for all candidates.



Employee Training Structure Table 2018

| Indicator | Data |
|---|-------------|
| Percentage of trainees by gender and training hours | |
| The proportion of male trainees | 81.53% |
| Male employees training hours | 21.85 hours |
| The proportion of female trainees | 50.64% |
| Female employees training hours | 12.44hours |
| Percentage of trainees by level and training hours | |
| The proportion of top management in the employees under training | 26.67% |
| Per training hours of top management | 94.40 hours |
| The proportion of middle management in the employees under training | 100.00% |
| Per training hours of middle management | 30.00hours |
| The proportion of grass-roots employees in the employees under training | 75.12% |
| Per training hours of grass-roots employees | 19.91hours |

1. Top and middle management training

The company has cooperated with universities and training institutions such as Tsinghua University, Peking University, University of Science and Technology of China, Party School of the CPC Central Committee, Shandong Provincial Party School of CPC, and carried out party construction discipline inspection knowledge training, middle and top management skills enhancement training, junior management personnel quality enhancement training, etc., which have achieved good results. A total of 57 training sessions were held throughout the year.



The company to hold the top and middle management training

2. Professional and technical personnel training

With the goal of enhancing the lifelong learning awareness of all employees and improving the overall quality and innovation ability, the company has formulated and implemented the annual training plan, and actively carried out skill identification and competition. A total of 57 professional continuing education training sessions and 22 technical personnel training sessions were organized throughout the year, covering nine fields including geological engineering, surveying engineering, mining engineering, mineral processing engineering, mechanical engineering, electrical engineering, construction engineering, chemical analysis and smelting engineering. In 2018, the company formed a team to participate in the 7th national gold industry vocational skills competition of "China Gold Cup", and won the first and the second group awards, and the first, the second and the third individual award in the hydro-metallurgical competition. Three members of the company won the title of "national technical expert".



The company to carry out mining engineering professional and technical personnel training



The company to carry out mechanical engineering professional and technical personnel training



The company to carry out geological engineering professional and technical personnel training



The company to organize skill competitions



The team of the company to win the prize in the 7th national gold industry vocational skill competition of "China Gold Cup"



Employees care

The company regards its employees as precious wealth, practices the commitments to "three lets" and "three lets not", and truly cares for its employees, making each Shandong Gold person worry no more and enjoy the fruits of the sustained development of the company.

Female employees care

The company shows great care for female employees, and actively carries out colorful activities on Women's Day.



Guilaishuang Mining Company to organize Women's Day symposium



Sanshandao Gold Mine to organize Women's Day activities



Gold Smelting Company to organize Women's Day activities

Assisting and supporting employees in need

The company has set up the Employee Assistance Foundation and Employee Assistance Foundation Management Committee, and formulated the Employee Assistance Foundation (internal) Articles, in order to realize institutionalized and standardized assistance and support work. The company regularly carries out special assistance to the employees in difficulty every year. In 2018, the company provided assistance to more than 1,200 employees with difficulties, with the amount of assistance about RMB 5 million yuan.



Visiting employees in difficulty



Warmth delivery activities



Case

One letter, one love

In August 2018, the operation and management department of Linglong Gold Mine learned that the daughter of Liu Jinhai, a dispatcher of the department, suffered from a serious illness and was in hospital. The treatment cost was so high that Liu's family couldn't afford it. Accordingly, all members of the enterprise actively donated, and in just a few of days, they raised more than RMB 66,000 yuan and fulfilled the promise of "three lets not" with practical actions. Once love is given, hope will be raised up. Liu Jinhai especially wrote a letter to express his appreciation to the help of "Linglong family".

Letter of Thanks

Dear leaders and colleagues,

I am Liu Jinhai, a dispatcher from the operation management department. First of all, I would like to thank the company leaders and colleagues for their generosity and selfless donation, which enabled my daughter to tide over the difficulties.

My daughter was sent to the intensive care unit after suffering severe organ failure. The medical cost was highly expensive that we were unable to afford it, so we have to raise money for subsequent treatment through "Shudichou" online.

After learning what happened to me, my colleagues and leaders at all levels did us a favor and helped us raise the treatment cost. At present, most of the follow-up treatment costs have been raised, and my daughter's condition has been under control, with all indicators returning to normal.

A friend in need is a friend indeed. In the big family of Linglong Gold Mine, I really felt the genuine care of the company leaders and colleagues, which cheered me up a lot. Looking forward, I will work hard and give back to Linglong Gold Mine with a more positive and sincere attitude. At the same time, I will try my best to help others and contribute all my strength to the long-term healthy development of Linglong Gold Mine.

Best regards
Thank!

Liu Jinhai
August 17, 2018



Donation ceremony of Linglong Gold Mine

Recreational and sports activities

The company organizes a variety of cultural and sports activities every year to enrich employees' spiritual and cultural life.



New Year's Tea Party



Tug of war



Checkers game



The volleyball match



The basketball match



Fun sports meeting

Case

Shandong Gold to hold a series of celebrations for the 2018 annual miner festival

On September 29, 2018, Shandong Gold held the performances of the 2018 annual miner festival, which kicked off a series of celebrations, including the touring propaganda, technical workers symposium of mines, selection of good miners, and theme essay soliciting, etc.

With the theme of "Promoting the spirit of miners in the new era, and gathering the strength of Shandong Gold along the new journey", this series of activities were divided into four chapters of "new era - new atmosphere", "new era - new outlook", "new era - good miner" and "new era - heart linked to heart" with new form, profound connotation, and full of positive energy of the new era. The Participants involved watched the first image film of Shandong Gold-Shandong Gold Original Intention. Rewards were granted to 80 "Good miners of Shandong Gold". Soon major grass-roots enterprises and 2 employees who returned lost money and rescued the wounded.



Public responsibility

Community co-construction
Charity fund raising
Precision poverty alleviation
Volunteer service

Community co-construction

The company always adheres to serving the society and benefiting the people, deeply constructs the harmonious relationship between the enterprise and the local people, improves the mechanism for regular communication and exchange with the community, tries to share its own resources with the community, actively carries out the community co-construction, and gives back to the community with its own development.

■ Resident construction support

The company provides financial and material support and assistance in the construction of new rural areas, agricultural irrigation projects, school building repair, rural infrastructure construction and others throughout the country, strives to solve the drinking water problem, electricity problem and other practical difficulties in the production and life of remote residents, renovate roads, fight against snow disasters, and provide disaster relief. In 2018, Jinzhou Company actively assisted and supported the co-construction villages such as Henan village, Nandongzhuang village, Zaodi village and others, with more than RMB 50,000 yuan invested in the road repair of Nandongzhuang village and Zaodi village, and cements and vehicles provided for the reconstruction of Nandongzhuang village, Xizhuang Village and Henan Village, etc., greatly promoting the construction of new rural areas and significantly improving the rural production and living environment.



The company to drill wells for the resident village



The company to repair the roads on the site

■ Localization of labor

The company has implemented the localized recruitment policy and local people recruitment method, which has helped realize the employment of a lot of local people from western remote provinces and underdeveloped areas, and boosted the local economy development and the improvement of people's living standards, contributing a lot to helping the local government to create a harmonious society.



Celebrating the New Year with the resident villagers

Case

Shandong Gold to set up the Next Generation Working Committee

In December 2018, Shandong Gold set up the Next Generation Working Committee (hereinafter "referred to the Committee") for the purpose of caring, educating and cultivating the teenagers. The participants involved were retired employees and heads of relevant departments and mass organizations of the company. The establishment of the Committee marks that the company's concern for the next generation has entered a new stage of development. It is not only a key move to fully implement the work arrangements of the provincial party committee and the provincial state-owned assets supervision and administration commission on the care for the next generation, but also a necessity for the enterprise to maintain harmony, stability and sustainable development.



The opening ceremony of the Committee



The opening ceremony of the Committee

Immigration and compensation

In the process of project development and construction, the company strictly complies with laws, regulations and relevant regulations of local governments, timely communicates and negotiates with the immigrants, completes the related work of immigration planning, compensation, resettlement and others, and properly handles follow-up matters related to immigration.

Respecting and protecting the community cultural traditions and heritage

The company fully respects and protects the cultural tradition and heritage of the community in the course of project construction, which is not only a necessity for building into a stronger, better and larger enterprise, but also a key factor for the sustainable development of the enterprise.

Charity fund raising

The company adheres to the principle of "Devotion of love, and giving back to the society", thoroughly implements the Charity Law, continuously carries out charity fund-raising activities, and makes donations to the rain-snow disaster area, earthquake disaster area, poor areas and vulnerable groups.

In 2018, all mining enterprises actively participated in the charity fund raising activities, for example, Sanshandao Gold Mine, Jiaojia Gold Mine, Gold Smelting Company actively organized employees to participate in the donation activities and voluntary blood donation activities. Yinan Gold Mine positively responded the call of Yinan County Party Committee and Government by carrying out "One-day Kindness" activity. Laixi Company and Chifeng Gold also organized the "One-day Kindness" activity. All this created a good friendly atmosphere and won good comments from all social circles.

Case

The Safety-Protection Schoolbag Donation Event for Primary and Secondary School Students

On the morning of December 24, 2018, Chinese Red Cross Foundation and Shandong Gold jointly held the Safety-Protection Schoolbag donation ceremony for Students of Primary and Secondary School in Bainin Left Banner at the sixth primary school of Bainin Left Banner in Chifeng city, Inner Mongolia.

In this donation activity, the company donated 1000 sets of safety-protection schoolbags to the students, and each set of schoolbag includes one safety-protection schoolbag, five safety manuals and one emergency kit. Chinese Red Cross Foundation to present the donation certificate and love plaque to the company. During the event, the emergency rescue lecturer of the Red Cross Society of Inner Mongolia autonomous region also told the teachers and students of the sixth primary school about the emergency rescue knowledge such as chest compression and artificial respiration, as well as common campus safety knowledge such as drowning prevention and tripping prevention, so as to improve students' safety awareness and skills.



Presenting safety-protection schoolbag to students of the Bainin Left Banner Primary School



Chifeng Gold to receive a silk banner from the villagers

Precision poverty alleviation

The company has actively implemented the national strategy of poverty alleviation by making poverty alleviation plans and through a diversified ways including the counterpart assistance and support, donations to schools, and infrastructure improvement in impoverished areas. In this way, the company undertook social responsibilities actively and gave full play to its capabilities as a state-owned enterprise in fighting against poverty.



Chifeng Gold to receive silk banners sent by villagers

Case

Shandong Gold to carry out "one-to-one" assistance to poor villages

The company has actively responded to the call of Laizhou Municipal Party Committee and government, and offered "one-to-one" assistance to poor villages such as Xuyuan village, Houyang village and Ximma village in Zhuqiao town, fully implementing the company's goal of "making more individuals benefit from the well-developed Shandong Gold".

The Party Committee of Jiaojia Gold Mine attached great importance to the "one-to-one" assistance task, and visited Houyang village of Zhuqiao town together with the relevant person in charge of Zhuqiao town government in the first time, to carry out field research and work docking. The "three major difficulties" in Houyang village, namely, poor transportation, aged agricultural irrigation equipment and facilities and drinking water problems, and lack of collective economy, seriously restricted village development, that's why the agricultural production problems have been put in the first place. Before the arrival of the hot summer, the Jiaojia Gold Mine sent over pipeline materials worth of RMB 31,000 yuan in time, so that the water conservancy facilities were set up and pipelines were repaired for the villagers with the fastest speed, which effectively solved the problems of crop irrigation and drinking water for the villagers.

In accordance with the requirements of Laizhou Municipal Party Committee and Municipal Government for supporting the village, Gold Smelting Company, has set up the working group and conducted on-the-spot investigations in Ximma Village, Zhuqiao Town for four times, with a pumping well drilled, and rice, peanut oil and other living materials which are worth more than RMB 1,000 yuan provided in villagers. The working group also visited the retired party members in the village to help solve practical problems.

Sanahendao Gold Mine provided RMB 50,000 yuan of financial assistance to Xuyuan village, Zhuqiao town, and assisted in the public welfare activities such as the renovation of village committee office and the construction of student waiting room, which was highly praised by Laizhou Municipal Government and the villagers.



"one-to-one" assistance and support achievements in the poor village of Zhuqiao Town, Laizhou City

Case

Chifeng Gold Launched the "Ten, Hundred, Thousand and Ten thousands Social Poverty Alleviation Re-action" Campaign

In 2018, Chifeng Gold launched a charity donation campaign according to the requirements of the Notice on Strengthening Social Support Forces for Supporting the Newly Identified Poverty-stricken Villages of the Whole District in 2017 and the Notice on Carrying out "Ten, Hundred, Thousand and Ten thousands of Social Poverty Alleviation in Songshan District of Chifeng City, in order to make a modest contribution to the disadvantaged groups and poor people.



A Letter of Appeal on the "Ten, Hundred, Thousand and Ten thousands Social Poverty Alleviation Re-action" Campaign launched by Chifeng Gold



Donation Notice on the "Ten, Hundred, Thousand and Ten thousands Social Poverty Alleviation Re-action" Campaign of Chifeng Gold

Volunteer service

The company continuously promotes and encourages employees to participate in voluntary service. In 2018, the Labor Union and the Youth League Committee actively organized a series of voluntary service activities such as voluntary blood donation, street garbage collection, safety and civilization knowledge publicity, flood fighting and emergency rescue, and visiting the elderly, etc., and used various forms to show their love to the group who are in difficulties and disadvantaged groups.



Voluntary blood donation



Jinzhou Company volunteer service team to clean up the garbage in the resident community



Xihe Zhongbao Company volunteers to participate in the production safety laws and regulations publicity activities



Chifeng GoldGold volunteers to take part in flood fighting and emergency rescue



Yinze Gold Mine volunteers to send support to the people in need



Burning accident emergency disposal drill in the electrolysis workshop of Xihe Zhongbao Company

Vision of the Future



Vision of the Future

The year 2019 will witness the 70th anniversary of the founding of the People's Republic of China, and will be a milestone in the process of the great rejuvenation of the Chinese nation and building a moderately prosperous society in all respects, meanwhile, it is also a key year for Shandong Gold to fully realize its strategic goal of the 13th Five-Year Plan.

Looking Forward, Shandong Gold will focus on the construction of an "industry leading and world-class gold mining enterprise", vigorously promote the "development spirit", "pillar spirit" and "entrepreneurship of Shandong Gold", adhere to the "resource first, efficiency-oriented, and innovation-centered" management idea, in order to achieve transformation and upgrading and integrated development. We will actively practice the purpose of "benefiting employees, shareholders, the society, and the country", fully fulfill our responsibilities on economy, environment, safety, employees and public welfare, and share the development achievements with all stakeholders, enabling more individuals to benefit from the well-developed Shandong Gold.

