

#### About this report

This report is the first Sustainability Report of Green Build Technology Limited (the "Company") and its subsidiaries (collectively the "Group"). It focuses on the company's economic, social and environmental sustainability information. It covers the period from 1 January 2017 to 31 December 2017.

#### **Download**

As the report discloses sustainability performance to stakeholders, it can be downloaded from the official website of the Company at www.webgbt.com.

#### Statement

In order to be more objective, comprehensive, and focused on the Group's performance, this report presents the Group's sustainable development in terms of promoting economic growth, strengthening environmental protection, promoting social progress, and conducting on-the-spot investigations on the performance of the Group and screening and verification of the authenticity. During the preparation of the report, we obtained the opinions and suggestions from different parties, promoted understanding, communication and interaction between the Group and stakeholders and the public, and actively responded to the concerns of stakeholders to achieve sustainable development of the Group.

#### **Contact information**

If you have any queries on this report, please contact us at:

Telephone: +65 64071432

Email: hrbshengminggongsi@163.com

# Content

Chairman Statement	5
Section 1 Sustainable Development Management	7
1.1 About Green Build	7
1.1.1 What Are We Doing	7
1.1.2 Our Contributions to Society	8
1.1.3 Corporate Culture	9
1.2 Performance review for 2017	10
1.2.1 Underground Utility Tunnel	10
1.2.2 Old Estates Transformation Projects	11
1.3 Corporate Governance and Management Methods	12
1.3.1 Corporate Structure	12
1.3.2 Decision Making System	12
1.3.3 Management Team	13
1.4 Sustainable Development Strategies and Goals	13
1.4.1 Sustainable Development Strategies	13
1.4.2 Corporate Vision	14
1.4.3 Sustainable Development Goals	15
1.5 Sustainable Development Opportunities and Risks	15
1.6 Stakeholders Involvement	17
Section 2 Sustainable Business Systems and Service Models	19
2.1 Old Estates Transformation Projects	19
2.1.1 Background	19
2.1.2 Business Systems and Transformation Modes	19
2.1.3 Cases	20
2.1.4 Sustainability	22
2.2 Underground Utility Tunnel Project	22
2.2.1 Background	22

2.2.2 Project Briefing	23
(1) Phase One	23
(2) Phase Two	23
2.2.3 Industry leader	24
2.2.4 Sustainability	25
Section 3 Sustainable Operations	26
3.1 Compliance Operation	26
3.1.1 Operation Systems Development	26
3.1.2 Culture Development	27
3.1.3 Sustainable supply chain management	27
3.1.4 Corporate honor	28
3.2 Employee Development	28
3.2.1 Employee Diversity	28
3.2.2 Employee Rights	29
3.2.3 Welfare System Improvement	29
3.2.4 Open for Communication	29
3.2.5 Platform Development	30
3.3 Strengthen Corporate Safety Operations	30
3.4 Vigorously Apply Technological Innovation	31
3.5 Social Responsibilities	32
Section 4 Sustainable Livable City	34
4.1 Livable Cities Development	34
4.1.1 Livable Cities Transformation Planning	34
4.1.2 Underground Utility Tunnel Planning	34
4.2 Smart City and Ecosystem Development	35
4.3 Society Improvement	36
Outlook 2018	37
Appendix	38

## **Chairman Statement**

You are welcome to read this report. Thank you for your continued concern and support for the Group.

2017 is an important year for the implementation of the 13th Five-Year Plan. It is a progressive year for supply-side structural reform. For Green Build Technology, it is also a critical year for the Group to achieve significant progress. The Group always places business development as its first priority. The key tasks are to promote urban development, healthy and sustainable development of the energy conservation and environmental protection service industry, and improve the ecological environment. We are committed to being a trustworthy and respected organization, holding a leading position in the industry and having a wide-ranging influence on international listed companies. This is the Group's long-term strategic vision, and it also represents its commitment to achieve sustainable development.

# Improve infrastructure construction and promote enterprise progressive development

Based on the principle of steady progress, the Group ensures the steady development of its existing business and promotes the coordinated development of new strategic businesses. The Group's projects such as the comprehensive renovation of old residential areas, urban underground utility tunnel and other projects, enables it to rapidly keep abreast and provide comprehensive services to the market. This extensive market knowledge is established by fortifying its fundamentals in the local market before expanding to other provinces and overseas markets. The Group's steady improvement in its financial performance has propelled rapid expansion of its business.

#### Improve the ecological environment and achieve sustainable development

Ecological environment issues have always triggered strong reactions from ordinary citizens. On May 26, 2017, the Chinese President Xi Jinping emphasized that the construction of ecological civilization must be placed in the prominent position of overall work, and the comprehensive management of environmental pollution should be vigorously deployed to comprehensively strengthen environmental pollution prevention and control. Through a series of key projects, the Group allows residents to share the fruits of urban development, thereby profoundly changing people's lifestyles, promoting efficiency and value creation, and effectively reducing energy and resource consumption, thereby improving the ecological environment and enabling the Group to achieve progressive development.

#### Actively fulfilling responsibilities and sharing development results

Upholding responsibility is the key to survival. On the path to sustainable development, Green Build Technology will adopt the motto of "enhancing urban development and establishing a century-old enterprise in the process". The Group is committed to the sustainable development of enterprise quality improvement and progressive growth. With the concept of innovation and excellence, we will continue to provide quality projects for the city. The Group aims to be a socially responsible organization – fostering the human spirit, promoting social harmony, and contributing to urban development.

Adhering to the business philosophy of sustainable development is the foundation for the healthy development of enterprises. With a new starting point and a new journey, Green Build will continue to deepen reform and innovation, operate steadily, contribute its strength to economic growth, environmental protection and social progress, and move towards becoming a highly responsible and respected global outstanding enterprise.

Zhao Lizhi

**Board Chairman** 

# **Section 1 Sustainable Development Management**

#### 1.1 About Green Build

# 1.1.1 What Are We Doing

Green Build Technology Limited was established on February 6, 2004. It is a company listed on the main board of the Singapore Exchange (stock trading code Y06). Currently, the subsidiaries include Harbin Shengming Energy Saving and Technology Co., Ltd., Harbin Underground Utility Tunnel Construction and Management Co., Ltd., Harbin Prevailing Municipal Engineering Co., Ltd, Harbin Superior Construction Materials Trading Co., Ltd., Harbin Utility Tunnel Phase Two Construction and Management Co., Ltd.

Since the establishment of the Company, the Company's senior management team has participated in the Harbin's Top Ten Projects that benefited residents, i.e. the insulation project and the 4 million square meters of energy-saving renovation project. The Group participated in the preparation of the national "Evaluation Standard for Existing Building Transformation" and became the first entity participating in the country's existing green building demonstration project. The Group also won the bid for the insulation project and the first and second phase construction projects of China's underground utility tunnel in Harbin. The Group also participated in Heilongjiang Province (Hong Kong) Economic and trade cooperation and exchange event, hosted the first PPP model discussion forum in Heilongjiang Province - "new norms, new opportunities, new models - PPP and Longjiang economic development", successfully held the "2017 Harbin smart city construction and sustainable development" peak Forum, actively cooperate with central enterprises, and cooperate with central enterprises such as China Energy Conservation and Aerospace Haiying, and cooperate with Construction Bank, Bank of Communications, China Agricultural Bank, Bank of China, China Everbright Bank, and Asiana Bank.

Core business: Green Build is committed to "improving the urban environment and casting a century-old enterprise" and becoming a trustworthy and respected international leader with a leading position in the industry and a wide-ranging influence on a global scale. In 2017, Green Build provided systematic quality products for the improvement of livable communities, underground utility tunnel, urban infrastructure construction, forestry ecological investment and PPP project construction in the urban context through scientific development concepts and advanced technologies.

Based on the Group's pre-business plans and urban development trends, the strategic plans of the green construction business system is formed, including: the old-fashioned community "change-construction-transportation" industrial ecological project and the underground utility tunnel construction project. The above projects cover the urban

macro-infrastructure and micro-livable ecological environment all-round project system, forming a development model of the Company's entire industry chain.

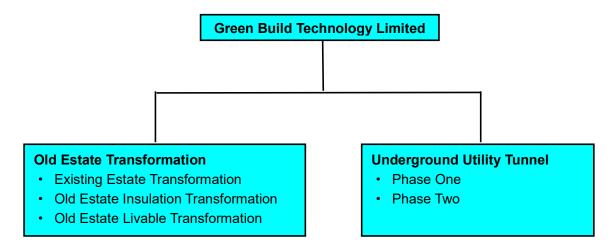


Chart 1-1 The overall strategic business layout of the company

#### 1.1.2 Our Contributions to Society

#### (1) Participated in industry summits and lead the industry

Green Build participated in the preparation meeting of the national "Evaluation Standards for Existing Buildings", the research project of the National Science and Technology Support Program of the "Twelfth Five-Year Plan", the research on the project of livable renovation projects during the "13th Five-Year Plan" period, research on green energy-saving renovation projects, and more than ten types of academic research and technology development, such as green building standard research, typical climate energy conservation and environmental protection technology application research, regional industrial economic development research, and new application of PPP model. At the same time, we were invited to participate in the International Coldland Expo, the International Green Building and Building Energy Conservation Conference, the "Green City-Green Industry Forum" in Magdeburg, Germany, the International Green City Development Conference, the Green City Construction and Development Conference, and Heilongjiang Province (Hong Kong) Economic and Trade Cooperation and Exchange, national key research and development plan "Starting construction of residential buildings and functional upgrading technology system and integration demonstration" project kick-off meeting. green building and green building materials standards and practice forum activities. We have been widely recognized in the energy conservation and environmental protection industry and PPP project research.

#### (2) Industry-university-research collaboration, innovation ability to a higher level.

We worked with School of Environmental Studies, University of British Columbia, University of Berkeley, Key Laboratory of Environmental Sciences, Stanford University, China Academy of Building Research, Shanghai Academy of Building Research, Shenzhen Institute of Building Research, School of Economics and Management, Nanyang Technological University, Singapore School of Environmental Management Harbin Institute of Technology and other leading scientific research units, extensively researched on green building development, energy-saving building renovation. We also extensively cooperated with many national carbon emission agencies for energy conservation and environmental protection, and worked with PPP Research Center of the Ministry of Finance and PPP Institutes of University of Chinese Academy of Sciences conducted in-depth research on the PPP model. All of the above cooperation have achieved international leading technology achievements.

#### (3) Building a financing platform and innovating investment and financing models

As a Singapore-listed company and the first PPP model practitioner, Green Build has continuously won the bid for Harbin's insulation project and China's first underground utility tunnel project in PPP mode. It formed a strategic partnership with China Everbright Holdings, China Everbright International, China Construction Bank, Bank of Communications, China Agricultural Bank, China New Fund, China Gold Fund, and Dahe Securities, and built a strong financing platform with a professional investment and financing management team. It also formed a collaborative partnership with BNP Paribas, Royal Bank of Canada, Singapore Capital, Singapore Kaiyuan Capital, Singapore OSC Investment Company, Quanta Finance, and Bank of Malaysia. Currently, it has successfully invested in the implementation of Harbin infrastructure construction, environmental construction renovation project and underground utility tunnel construction project, and has significant advantages in investment and financing management.

#### (4) Establish industry benchmarks and stimulate economic development

Green Build has always been committed to setting a benchmark in the industry, stimulating employment and the development of upstream and downstream industries, making a major contribution to economic development. At the same time, it focuses on talent training, training from business capabilities and management capabilities, and fostering talents with different skills.

#### 1.1.3 Corporate Culture

Corporate mission: to improve the urban environment and to build a century-old enterprise.

Corporate values: innovation-driven, smart-leading, hard-working, and first-class casting.

Corporate spirit: truth-seeking, innovation, openness, gratitude, and giving back to society with gratitude.

Business pursuit: career is more important than everything, responsibility is more important than everything, welfare of the people is ahead of everything, and the sky is above anything else.

The principle of employment: to promote the excellent employee, to keep the loyal employee, and to remove the inferior employee.

Corporate style: careful, rigorous, diligent, and responsible.

Corporate environment: mutual help, mutual love, mutual learning, mutual trust.

Corporate ethics: integrity, loyalty, filial piety, righteousness.

#### 1.2 Performance review for 2017

2017 is a remarkable year for the development of Green Build's strategic planning. The main projects running by the company, including underground utility tunnel and insulation projects, all belong to the PPP project in cooperation with the government. By the end of 2017, the government subsidies about RMB 560 million had been received from the national, provincial and municipal levels. At the same time, its subsidiary Harbin Shengming Energy Saving and Technology Co., Ltd. contracted energy management services and labor service with income about RMB 130 million. Effective breakthroughs have been made in engineering projects and corporate businesses.

#### 1.2.1 Underground Utility Tunnel

Phase One: In October 2015, Harbin Shengming Energy Saving and Technology Co., Ltd., a wholly-owned subsidiary of Green Build Technology Limited, successfully won the bid for the second section of PPP mode of Harbin underground utility tunnel Construction Project (hereinafter referred to as underground utility tunnel project Phase One). The project construction mileage is about 13.418 kilometers, divided into Hanan area and the airport area, with a total investment of approximately RMB 1.057 billion. The construction period is about 3 years and started from October 19, 2015. At present, the basic construction has been completed and has entered the stage of full closure. It is expected to be completed in early of 2019, and then entering into the operation period for 25 years.

Phase Two: In August 2017, Harbin Shengming Energy Saving and Technology Co., Ltd. participated in the PPP model government procurement bidding for the second phase construction project of Harbin underground utility tunnel, and once again won the bid for the second phase of Harbin underground utility tunnel Construction (the first batch) Project (hereinafter referred to as the phase two of the underground utility tunnel project). The construction mileage of the project is 12.623 kilometers, including 9.88 kilometers in the Hanan Industrial New Area and 2.74 kilometers in the Airport Economic Zone, with a total investment of RMB 1.398 billion. The construction period of the phase two is about 3 years. It was started from September 1, 2017. It is expected to be completed in 2020. At present, the second phase of the project is under construction and will be entering into the operation period for 20 years upon completion.

#### 1.2.2 Old Estates Transformation Projects

On February 26, 2014, Harbin Shengming Energy Saving and Technology Co., Ltd., a subsidiary of Green Build Technology Limited, undertook the national "green transformation of existing buildings" — "Hebai Community Existing Building Greenization Comprehensive Reconstruction Demonstration Project". The project has reconstructed 15 residential buildings with a total area of 163,400 square meters. The project won the two-star standard of "Evaluation Standard for Green Transformation of Existing Buildings" and has a strong demonstration role in Heilongjiang Province and even the whole country.

In 2015, the Group won the bid for the insulation project in Xiangfang District, Daowai District and Hulan District of Harbin. The project for the tranformation of Daowai District involves 22 tender sections, 85 buildings and a reconstruction area of 890,600 square meters. The Xiangfang District's existing project involves 8 tender sections, 23 buildings and a renovation area of 201,700 square meters. The project involves 12 tender sections, 46 buildings and a renovation area of 319,800 square meters. In 2016, we completed the insulation project for the existing building of 1.32 million square meters. In 2017, he was committed to the research on the comprehensive and livable renovation of the old community. The Company was invited to attend the 13th International Green Building and Building Energy Conservation Conference and New Technology and Product Expo, and attended the 9th National Building Renovation Conference. And hosted the "existing building green and livable transformation" summit forum.

#### 1.3 Corporate Governance and Management Methods

# 1.3.1 Corporate Structure

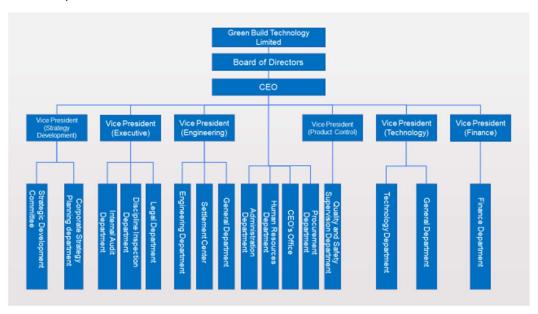


Chart 1-2 Corporate Structure

### 1.3.2 Decision Making System

Green Build has explored and established a modern enterprise system with Chinese characteristics, constantly improving decision-making mechanisms, promoting scientific and democratic decision-making, and improving corporate governance. As a listed company, Green Build's decision-making system mainly includes the following core elements:

The general meeting of shareholders is the highest decision-making body of the Company.

The board of directors is entrusted by the shareholders' meeting and is responsible for the Company's strategic development and related decisions.

The Chairman of the board of directors is entrusted by the board of directors and is fully responsible for the Company's development strategy and investment decisions;

The Company's CEO is responsible for the day-to-day operations of the company and is responsible for the Company's business performance.

#### 1.3.3 Board of Directors

- ◆ Executive Chairman of the Board Zhao Lizhi
- ◆ Executive Director and Group CEO Wu Xueying Executive
- ◆ Independent Director Kuan Cheng Tuck
- ◆ Independent Director Gallen Tay
- ◆ Independent Director Dong Congwen

#### 1.3.4 Management Team

- ◆ Board Chairman Zhao Lizhi
- ◆ Group CEO and Director of Harbin Shengming Energy Saving and Technology Co., Ltd Wu Xueying
  - ◆ Group Financial Controller Li Zhao Kun
- ◆ Group Vice President and General Manager of Harbin Shengming Energy Saving and Technology Co., Ltd Jiang Xi Kun
  - ◆ Group Vice President Yang Xiao Yu
- ◆ Group Vice President and General Manager of Harbin Utility Tunnel Construction and Management Co., Ltd Sun Hong Lei
  - Group Vice President Wang Hong
  - ◆ Group Vice President Xu Mei

#### 1.4 Sustainable Development Strategies and Goals

#### 1.4.1 Sustainable Development Strategies

Green Build has explored and formed an industrial development path with its own characteristics, focusing on the coordinated development of construction, energy, forestry, urban infrastructure construction, and financial sector. With scientific and technological innovation, business model innovation, management innovation, and organization of domestic and foreign resources. We will strengthen our business with traditional advantages, foster and develop new strategic businesses, and enhance our core competitiveness. At the same time, according to the internal and external environment, under the new norms, we will further promote strategic transformation, formulate and implement development strategies: eliminate imbalances in urban resource allocation; improve urban environment; promote green environmental protection; and establish an industrial ecosystem.



Chart 1-3 Sustainable Development Strategies

## 1.4.2 Corporate Vision

Corporate Vision: With the mission of "Improving the Urban Environment and Building a Hundred Years of Enterprise", we are committed to becoming an internationally controlled listed group company that is trustworthy and respected, has a leading position in the industry, and has a wide influence on a global scale.

The above corporate's vision defines the action plan for the future development of the company in the following aspects:

First, the openness of the business philosophy. To become a leading company in internationalization and globalization, indicating that the company's overseas listing is not the end, but the starting point. In the future, Green Build will become a public and international brand, and share the growth value of the Company with investors, suppliers, strategic partners, and social stakeholders.

Second, the multidimensional nature of the development space. First of all, Green Build is from China and was born under the background of promoting environmental protection and people's livelihood. It reflects the strong social responsibility of Chinese companies. Secondly, Green Build is a listed company in Singapore, facing the global market and adhering to the common. The concept of environmental protection has become an advocate for promoting industrial technology upgrading and sustainable development. It has become a market operation from the regional market to the national market to the international market and the innovative research and development of green building energy-saving technologies and the construction of a business model based on smart cities. A respected international company.

Third, the long-term development goals. In this vision, a trusted and respected corporate brand with a leading position on a global scale reflects a long-term sustainable development philosophy and a strategic goal - a commitment to impart a valuable legacy for China and the world. A valuable corporate brand.

Vision	With the mission of "Improving the Urban Environment and Building a Centennial Enterprise", we are committed to becoming an internationally controlled listed group company that is trustworthy and respected, has a leading position in the industry, and has a wide influence on a global scale.	
Key words	<ul> <li>From China, facing the world</li> <li>Internationalized and global market</li> <li>Innovation and sustainable development</li> </ul>	
Action plan	<ul> <li>Openness of business philosophy: internal open + external open</li> <li>Multidimensionality of development space: domestic market + international market</li> <li>Long-term development goals: a century of business + sustainable development</li> </ul>	

Chart 1-4 Company vision planning system

#### 1.4.3 Sustainable Development Goals

2018 annual goal: Continue to carry out the "Green Action Plan", strengthen the life cycle management, embed energy conservation, emission reduction and environmental protection work in all departments of the company's operations and project management, and increase the promotion of energy conservation and emission reduction standards and measures. We will ensure energy saving and emission reduction in the whole process, all parts and all employees, and promote the company to continuously reduce costs and increase efficiency. From the four dimensions of disclosure, cognition, management and leadership, the company's climate change strategy, management system, risks and opportunities and The carbon emission management performance is fully responded to and publicly disclosed, and green development is carried out to build a dream of blue sky and blue sky, truly benefiting the people and benefiting the society.

Mid-term and long-term goals: Persist in improving the urban environment, creating a livable city for the benefit of the people; committed to ecological and environmental protection, building beautiful homes and benefiting mankind.

#### 1.5 Sustainable Development Opportunities and Risks

# (1) Eliminate the imbalance of urban resource allocation

Opportunity: The industrial policy is the direction of guiding the energy-saving and livable transformation of existing buildings. The livable transformation adapts to the development of the times, responds to the call of the state, and meets the people's growing needs in life. The construction standards and supporting indicators of the old

residential buildings are generally low. The problems of aging houses, inadequate supporting facilities, limited green areas, and insufficient parking spaces are prominent. At the same time, due to the lack of a sound management and supervision mechanism, there are serious problems such as illegal buildings, crowded facilities, and unrepaired municipal facilities.

Risk: Residents are affected by their thoughts and are reluctant to participate in the transformation.

Responded measures: Cooperate with the community to explain the transformation content and transformation benefits to the residents; explain the new property management model, calculate the amount of capital contribution per household; establish a "community of interest" relationship with the residents.

#### (2) Improve the urban environment

Opportunity: Policy supports urban construction, Harbin is a pilot city for underground utility tunnel project; the market capacity for comprehensive livable transformation is large.

Risk: The new forces in the industry have sprung up and the competition is under pressure.

Responded measures: Enhance technical capabilities, establish industry standards, improve operation and maintenance management, and become a pioneer in the industry.

#### (3) Promote green environmental protection

Opportunity: The global belief in green environmental protection and firm sustainable development is to create resources to live and not to grab additional resources in the future.

Risk: In production operations, (suppliers) may use non-renewable resources.

Responded measures: In the project construction, use advanced and environmentally friendly technologies to fundamentally reduce energy consumption, avoid pollution, develop new energy industries, regulate energy structure, improve the utilization rate of clean energy and renewable energy; advocate circular economy, through importing energy-saving technologies, promote green manufacturing and green operations, reduce manufacturing and operating costs, and cooperate with upstream and downstream suppliers in the supply chain to jointly create a green supply chain and enhance the efficiency and competitiveness of the value chain.

# (4) Establish an industry ecosystem

Opportunity: All projects follow government policies and with huge demand in the market policy-oriented industries with large market stocks.

Risk: No prior experience since projects are under exploration stage and the industry mechanism is not perfect.

Responded measures: Train relevant technical talents for the industry; set industry standards and set benchmarks; accumulate experience in exploration, integrate upstream and downstream industrial resources, and establish a sound industrial development ecosystem. At the same time, we will integrate resources to promote local economic development with projects, implement precise measures to alleviate poverty. strengthen villages and enrich the people, turn blood transfusion into hematopoietic poverty alleviation, and realize rural revitalization.

#### 1.6 Stakeholders Involvement

Stakeholders involvement has always been the focus of Green Build's sustainable development management. Green Build works closely with various stakeholders to actively listen to their needs as an important means of management optimization.

Stakeholders	Communication and Inter-action
Residents	Reconstruction intention questionnaire     Owners committee
Employee	Trade union representative meeting     Party branch meeting
Government agency	<ul> <li>Government policy communication meeting Government policy communication meeting</li> <li>Government project special report meeting</li> </ul>
Supplier	<ul><li>Supplier review and appraisal meeting</li><li>Supplier contract and signing ceremony</li><li>Supplier Training Conference</li></ul>
Industry/standards association	Industry forum     Standard seminar
Media	<ul> <li>Special interview</li> <li>Inviting the media to participate in the major conference of Green Build</li> <li>Social media promotion</li> </ul>

Financial institution	<ul><li>Investment and financing meeting</li><li>Major corporate events</li><li>Audit</li></ul>
Other NGOs and society	Participate in community projects     Participation in NGO meetings

In the above-mentioned stakeholder participation activities, Green Build actively understands the expectations, requirements and suggestions of all parties, and adjusts the company's sustainable development goals accordingly, responding in a timely and effective manner.

# **Section 2 Sustainable Business Systems and Service Models**

#### 2.1 Old Estates Transformation Projects

# 2.1.1 Background

The comprehensive rehabilitation project of the old residential quarters is an objective requirement for implementing the national revolutionary strategy of energy production and consumption. It is an important manifestation of accelerating the construction of ecological civilization and taking a new road to urbanization. It is an effective means to promote energy conservation, reduce emission, and to cope with climate change. It is not only an important urban development project, but also a livelihood project involving people living in peace. At the same time, it has significant support for accelerating the improvement of public services, infrastructure, innovation and development, resources and environment, and promoting the development of energy-saving and emission-reduction service industries and related industries.

The state attaches great importance to this work and successively issued a strategic policy on strengthening energy conservation and emission reduction. In 2013, the "Green Building Action Plan" was issued, requiring that the building energy efficiency standard of not less than 65% be implemented in the northern heating area by 2015; 2016 In the year, the Ministry of Housing and Urban-Rural Development issued the "Notice on Carrying out the Reserve Work of Energy-saving and Livable Reconstruction Projects of Existing Buildings" to put the existing buildings to be rehabilitated on the agenda. In 2017, the Ministry of Housing and Urban-Rural Development issued the "Building Energy Conservation and Green Building Development". The "Five Plan" requires continuous promotion of comprehensive renovation of energy-saving and livable residential areas, and focuses on energy-saving renovations such as enclosures and heating systems, and upgrades the functions of water supply, drainage, electricity and other infrastructure and buildings.

Although Harbin City has implemented the energy-saving renovation of existing buildings since the "Eleventh Five-Year Plan", the stock of existing non-energy-saving residential buildings with transformation value is still relatively large, about 50 million square meters. This part of the old community is inherently dysfunctional, Standard of living is low; heating is not readily available in winter, the community environment configuration is lacking, parking infrastructure is not developed, leaks in homes are common, the environment is polluted. The situation has become a pain in urban development and has been a problem the government has been trying to solve for many years. It has also become a pain in urban development.

#### 2.1.2 Business Systems and Transformation Modes

#### **Business System**

The new concept: from the public operation of the single subject of the government → market-oriented, enterprise-oriented industrialization, market-oriented operation concept.

The new model: Changing the mode for transformation, forming a system, comprehensive, three-dimensional full value chain transformation mode.

The new path: construction transformation  $\rightarrow$  construction  $\rightarrow$  operation trinity value transmission and coupling closed-loop ecological development path.

Reconstruction content: "Reform" – existing infrastructure; "Construction" – functional and livable service projects; "Operation" – using smart community platform, comprehensive management and reconstruction projects to provide residents with humanity quality service. Through the "Reform-Construction-Operation" industrial ecological project, we will create new communities to balance the development of old and new estates.

Rehabilitation benefits: First, increase building energy-saving standards, increase heating area, meet the needs of demolition of small boilers near the grid; second, provide a basis for applying clean energy and renewable energy; third, significant economic benefits; fourth, outstanding environmental benefits; It is to create the greatest social benefits.

#### 2.1.3 Cases

#### (1) National Demonstration Project - Hebai Community

On February 26, 2014, the National "Twelfth Five-Year" Task Force approved Harbin Shengming Energy Saving and Technology Co., Ltd., a subsidiary of Green Build Technology Limited, undertook the "green renovation of existing buildings" – "Harbin Hebai Community" Demonstration project for the comprehensive renovation of existing buildings.

Hebai Community is located in Daoli District, adjacent to Qunli Development Zone and was completed in 1999. The residential area covers an area of 141,800 square meters, with a total construction area of 290,000 square meters and 28 residential buildings. Due to the damaged building components, the roof is leaky, the doors and windows are damaged, the building consumes a large amount of heat, the heating pipe network has poor balance, and the heating coal consumption is high; the Central Plaza is overgrown with weeds, the underground abandoned pipelines are leaking, the ground collapses throughout the year and the structure has been identified as dangerous buildings that requires urgent repairs to eliminate potential safety hazards.

The Harbin Hebai Community has reconstructed 15 residential buildings with the building greening comprehensive transformation demonstration project, with a construction area of 163,400 square meters. The main transformation contents: First, the building maintenance structure energy-saving transformation implements the national highest energy-saving standard "Energy-saving design standards for residential buildings in severely cold regions"; second, on the basis of the substantial reduction of building heat consumption, building heating uses natural gas heating equipment and tanks. The combined solar collector combines the original heating system to replace the original coal-fired central heating. Third, the courtyard transformation.

The comprehensive application of a number of suitable, economic, and reliable technologies can make the green-reformed Hebai Community fundamentally reduce the heating consumption of buildings, avoid the pollution caused by coal-fired heating, prolong the service life of buildings, and significantly improve living standards. At the same time, the green energy transformation will develop a new energy industry, drive the development of related industries, adjust the energy structure, reduce the use of coal, and use clean and renewable energy to enable the old community to achieve energy conservation and environmental protection while improving comfort.

Through the implementation of the demonstration project, it provides data reference for the greening transformation technology and standard formulation of the existing buildings in the severe cold area. The "Hebai Community Demonstration Project" is a project that will benefit all residents of existing residential buildings, not only for the society of Harbin. Spatial balance, harmonious development, and economic construction are of great significance. At the same time, they have a strong demonstration role in Heilongjiang Province and even the whole country.

#### (2) Old Estates Transformation

In 2015, Green Build won the bid for Harbin's insulation project. Through scientific planning and unified deployment, the Xiangfang District, Daowai District and Hulan District's projects were launched one after another. Adhering to the standards of quality, safety and civilized construction, Green Build Group completed a total of 1.32 million square meters of the project.

	Daowai District	Xiangfang District	Hulan District
Bid	22	8	12
Block	85	23	46
Area ('000)	809.6	201.7	319.8

Chart 2-1 Insulation Project

In the implementation process, Green Build took the lead in proposing the "1+N" transformation mode of existing buildings, integrating the livable transformation of traditional communities, the construction of underground garages, the upgrading of property systems, and the business of smart medical care and old-age care. Form a smart city to build a new industry, create a new system, new formats, new models and new economic growth points.

The "1+N" transformation mode of existing buildings: the comprehensive transformation mode of existing buildings and old communities, "1" is the energy-saving renovation of existing buildings, and "N" can be selected one or more, mainly including the old Facility renovation, community environmental improvement, building water supply and drainage renovation and other improvements to the energy-saving, functional and livable properties of existing buildings.

Through the construction of a livable renovation project in the old residential area, a government-led, market-led, all-dimensional, three-dimensional transformation model will be formed, ultimately in terms of energy conservation and emission reduction, environmental governance, urban image enhancement, social harmony and stability, and reduction of government financial pressure. Bring huge environmental, economic and social benefits. Utilize large projects to drive large industries, promote the development of livable and transforming industries in old communities, and fully realize the cluster development of upstream and downstream industries, thus actively promoting economic growth, promoting economic quality and efficiency, increasing profits and taxes, providing employment, and increasing per capita income and thus, achieving the effectiveness and steady economic growth goals.

#### 2.1.4 Sustainability

As of 2017, there are 210 million square meters of existing buildings in Harbin, including 151 million square meters of residential buildings and 59 million square meters of public buildings, including 105 million square meters of energy-efficient buildings in residential buildings and as much as 46 million non-energy-efficient buildings. The square meters, the huge reserves of the old community are obvious. Under the financial support and guidance of the government, franchise license and policy orientation, Green Build will provide people with a beautiful living environment, excellent supporting facilities, and smart services and create an ecosystem through a professional planning and design team, with a mature management team and innovative business mind.

#### 2.2 Underground Utility Tunnel Project

#### 2.2.1 Background

The urban underground utility tunnel carries the transportation of material, energy and

information for the whole city. It is the Catalyst for development of the whole city. It is the focus and new hot spot for the country to stimulate effective investment in the future. It is regarded as the "lifeline" of urban development.

In 2015, Harbin was identified as one of the top ten and was chosen for the launch of the urban underground utility tunnel construction plan. Based on the future development of the city, the Harbin Municipal Government has seized rare policy opportunities and identified 11 25.5-kilometer underground utility tunnel construction projects in Hongqi Street, Hanan Industrial New City and Linkong Economic Zone, and fully promoted the pilot project of urban underground utility tunnel construction.

In 2017, based on the principle of "coordinated layout, phased implementation, timely adjustment, and mature start-up", Harbin continued to plan the second phase of the 100-kilometer underground utility tunnel construction based on the promotion of the underground utility tunnel project. It also started the construction of the second phase of the first batch of 43.8 km underground utility tunnel.

#### 2.2.2 Project Briefing

#### (1) Phase One

On October 8, 2015, Harbin Shengming Energy Saving and Technology Co., Ltd., a subsidiary of Green Build Technology Limited, won the bid for the PPP model social capital bidding (second bidding section) of Harbin Underground Utility Tunnel Project. The first phase of the tunnel was divided into Hanan. In the two areas, the construction length is about 12 kilometers. The Hanan area includes: Hanan 9th Road (2,850.65m), Hanan 12th Avenue (4,925.43m), Hanan 15th Road (1,169.1m), Hanan. Seventeen roads (833.71 meters). The airspace area includes the Third Avenue (2,495.84 meters) and the Sixth Road (1,033.4 meters). According to different designs, different water tanks, gas, rainwater, heat supply, communication, electric power and other cabins are set up in different tunnels. The operation period is 25 years.

At the end of 2016, 7.86km of the main body structure of the Hanan District utility tunnel has been completed. The main area of the utility tunnel was completed at end of 2017. The tenders for utility tunnel equipment, tunnel access, and post-operation and maintenance work are also in the course of the development, it is expected that the installation of the equipment in the tunnel will be completed in early 2019.

### (2) Phase Two

On August 9, 2017, Harbin Shengming Energy Saving and Technology Co., Ltd., Harbin Gonglu Engineering Co., Ltd., and China Energy Conservation Shengming (Harbin) Smart City Construction Co., Ltd. jointly won the bid for the second phase of Harbin Underground Utility Tunnel Construction. (The first batch) PPP project (three

section) project, the construction period is 3 years, and the operation period is 20 years. This is another good news that Shengming has bided for the second Harbin Underground Utility Tunnel Project since 2015. It's a great achievement and a huge breakthrough.

The phase two of the underground utility tunnel is divided into two areas, Hanan and Lingyang. The construction length is about 12.528 kilometers, which consists of eight roads. The Hanan area includes: 8th Avenue in Hanan (4,155m) and 5th Road in Hanan (1,369m). ), Hanan 13th Road (2,214m), Hanan 17th Road (1,083m), Yungu Avenue (1,064m). The airspace area includes Second Avenue (1,588m), Linyi 4th Road (596m) and Linkong 7th Road (554m). Different water tanks, gas, rainwater, heat supply, communication, electric power and other cabins are set up in different tunnel according to different designs.

# 2.2.3 Industry leader





New model patent certificate

Research and technical achievements



Worker Pioneer in 2016

City Honor in 2017

#### 2.2.4 Sustainability

The underground utility tunnel project is a century-old plan, which is of great significance for ensuring urban security, improving urban engineering, and promoting urban intensive and efficient transformation. The planning and construction scale of the Harbin pilot period is about 65 kilometers, and the Green Build is about 24 kilometers, accounting for 36%. At the same time, it has a 20-25 year operation period. Therefore, whether it is from the design scale, engineering quality or economic benefits, social benefits, environmental benefits, we must take a long-term perspective. The construction of urban underground utility tunnel is a "100-year project", which means that the underground utility tunnel can be used for a hundred years, and the construction time is hundreds of years. It also means that the planning vision should also be placed on the scale of a hundred years.

- (1) A hundred years of scale. The underground utility tunnel construction is according to the overall layout of the tunnels, the demand for the entrance pipelines, the respective sub-storage and section size, structural standards and etc. It fully demonstrated the urban development vision, reserve and control the expansion space, and ensure the "hundred years of demand".
- (2) A hundred years of space utilization. Comply with civil air defense in accordance with the general control requirements of underground space

The construction of underground facilities in various cities such as space, underground car system, underground garage and underground Commercial Street meets the needs of various urban underground space development activities.

100 years of quality and efficiency. The underground utility tunnel engineering structure design life is for 100 years, the durability design should be based on 100 years of design life and environment, and the cost should be optimized according to the whole life cycle to reduce the maintenance and maintenance costs during the operation period.

Under the background of fully implementing the PPP model, Green Build has been at the forefront of the industry and has become the PMP model practitioner of the first batch of underground utility tunnel projects in the country. It is also the only project company in Harbin that has won the first phase and the second phase of the project. Regardless of the construction management experience or engineering technology, Green Build has an absolute advantage and can form a good development opportunity and market space. We will spare no effort to promote the construction of underground utility tunnel industry projects, build a rapid development platform for urban underground utility tunnels, and build the benchmark for the first batch of underground utility tunnel projects in China, which will help the economic development of the ice city.

# **Section 3 Sustainable Operations**

## 3.1 Compliance Operation

# 3.1.1 Operation Systems Development

#### (1) Background

Compliance management is not only the guarantee for the survival of enterprises, but also the foundation for the long-term healthy development of enterprises, which can bring long-term economic benefits. The compliance management of enterprises, which is related to social welfare and the long-term development of enterprises, requires effective supervision and attention from all relevant parties.

#### (2) Method and practice

Adhering to business ethics and complying with international conventions and laws and regulations is the cornerstone of Green Build's global compliance operations and the core philosophy that Green Build has always upheld. Green Build embeds compliance requirements into the Company's policies, systems and processes, and adapts professional teams to perform operations, advocates fair competition, and opposes any form of corruption and commercial bribery, and compliance operations.

#### (3) Compliance Management

Green Build always adheres to compliance management and integrates compliance requirements into the Company's daily operations. Actively conduct compliance exchanges with relevant government authorities, obtain approvals and necessary licenses, and conduct routine and compliant communication with other stakeholders, continuously increase transparency, enhance mutual understanding and trust, and jointly create "strict compliance" based on a benign business environment.

The Corporate Legal Department provides legal guidance on compliance issues such as compliance system construction, business compliance, intellectual property protection, anti-bribery and anti-corruption, and human resources management, assisting departments in conducting compliance activities, identifying, evaluating, and Clearly comply with the requirements and prompt internal and external legal risks.

At the same time, we insist on good faith management and have a "zero tolerance" attitude towards bribery and corruption. Green Build strengthens the publicity and education of employees' moral and legal compliance, and requires all employees to learn and sign the "Employee Code of Conduct" and "Integrity Practice Book" and pass the examination. Externally, Green Build focuses on exerting influence on suppliers

and incorporating relevant requirements into supplier contracts. The Company's discipline inspection and inspection department provides complaint channels to encourage informed reporting and legal violations.

#### 3.1.2 Culture Development

In the process of development, the Company is focus on the management and the construction of corporate culture. We achieve this by organizing various cultural activities, increase cultural propaganda, and enhance the cohesiveness of employees with culture.

In February 2017, in the first quarter, Green Build conducted an in-depth "one hour of daily learning" training and learning activities for all employees to form innovative power with learning and compete with innovation.

In March 2017, the Group conducted a series of training courses for management cadres. President Wu Xueying, Professor Dong Congwen and Yi Jiabin from Harbin University of Business School, served as lecturers, and gave a comprehensive explanation on leadership, management, performance management and execution to effectively improve the management level of enterprises.

In April 2017, Green Build Group successfully held the "Hundreds of Debates for the First Commitment" Code of Conduct Speech Contest.

The Company's party branch organized employees to participate in the residentbenefited literary performances with the theme of "Singing the main theme, joy into the courtyard" in the community building of Rongshi.

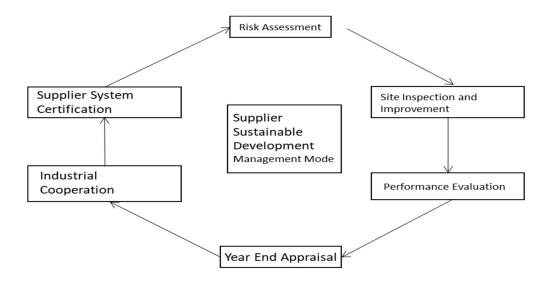
The party branch of the company joined hands with the Rongshi Office to build a community to carry out the festival condolence activities of "Harmonious Neighborhoods, Dragon Boat Festival and Fragrance".

The Group Shares Incentive Conference was held.

# 3.1.3 Sustainable supply chain management

The sustainable development of the supply chain involves issues such as labor, health and safety, environmental protection, business ethics and management systems, which affect the sustainable development of the entire industry. Green Build integrates sustainable development into procurement operations and processes, integrates into the supplier life cycle, and continuously improves and effectively monitors and controls risks through the traction of suppliers.

We regard sustainable development as a requirement for the project and its production process, fully integrated into the life cycle and value chain operations, fully integrated into the business cost leadership and differentiated competitive strategy, promote sustainable development through business logic, and enhance corporate competition through sustainable development. The advantages and opportunities to identify risk control, efficiency improvements, and business innovation are gradually improved on the basis of cost-benefit analysis.



#### 3.1.4 Corporate honor

- ◆From 2015 to 2016, the Group participated in the preparation of the national "Evaluation Standard for Green Transformation of Existing Buildings".
- ◆From 2016 to 2017, Harbin Underground Utility Tunnel Operation and Management Co. Ltd., a subsidiary of the Company, won the honorary title of "Worker Pioneer" in Harbin for two consecutive years.
- ◆In 2016, the "Phase I" project for the comprehensive renovation of existing buildings in Harbin Hebai Community, which was implemented by the Company, won the two-star green building design identification certificate.
  - ◆Summary of reports by various news media.

# 3.2 Employee Development

#### 3.2.1 Employee Diversity

Employees are always the main force for Green Build to achieve sustainable development, and also an important factor in our ability to remain competitive and continue to lead. As the competition among enterprises will become increasingly fierce, the competition of enterprises is not only the competition of market, technology and knowledge, but also the competition of talents. Therefore, how to let employees fully exert their own value and create a harmonious working atmosphere for employees has

become an important topic of concern for our Group. While the Group continues to grow, we focus on the career development of employees, providing a variety of value channels for diversified employees to help employees achieve personal value.

At present, the Group has a total of 93 people, the ratio of the staffs in other department and technicians is 4:6; the ratio of all male and female employees is 6:4; the ratio of male to female for high level management is 6:4. At the same time, Green Build pays great attention to caring for female employees and helping them to develop their careers. A series of activities were actively carried out around the "March 8" Women's Day and Mother's Day, and the training of female employees on balancing family and career was carried out regularly.

Many employees of different ages, from different regions, and different professions form a big family of the Group Green Build develops and implements our diversification goals in all aspects of personnel characteristics and commonality.

#### 3.2.2 Employee Rights

Green Build has always adhered to the International Convention on Economic, Social and Cultural Rights, the Convention on the Elimination of Discrimination in Employment and Occupation, and other international conventions ratified by the Chinese government, the Labor Law of the People's Republic of China, and the Labor Contract Law of the People's Republic of China. Relevant laws, regulations, and systems related to the law have established a relatively complete employment management system, including Labor Contract Management Measures and Overseas Employment Management Measures, including labor contract management, wage insurance and welfare, vacation, performance appraisal and vocational training. This is to Standardize the employment behavior according to law. We adhere to the principle of fairness, justice, and transparency to recruit and use employees according to the quality requirements of the post, without any discriminatory provisions and discriminatory behaviors, and strive to establish a harmonious and stable labor relationship.

#### 3.2.3 Improvement on Welfare System

The Group further improved the performance appraisal and salary distribution system, promoted the linkage of work efficiency, established and improved the salary and welfare system that highlighted job value, work performance, innovation results and met the characteristics of various personnel, ensuring that revenue growth was synchronized with enterprise development and labor productivity. Employees better reflect their value, actively fulfill the relevant requirements of the "Social Insurance Law of the People's Republic of China", steadily increase the participation rate of employees' social insurance, improve the supplementary medical insurance system, and protect the vital interests of employees.

#### 3.2.4 Open for Communication

The Group fully respects the employees' democratic rights and legitimate rights and interests, pays attention to the role of employees' democratic management, democratic participation, and democratic supervision. It generally establishes a trade union organization and a democratic management system based on the workers' congress, and protects employees' right to know about enterprise management.

#### 3.2.5 Participation and supervision

By clarifying the various functions, organizational systems and working systems of the Staff Representative Conference, we will further standardize the transparency of the company's affairs. At the same time, the company has established a variety of channels for communication with employees, adheres to the democratic procedures, multi-level communication and exchanges conducts through representatives' symposiums and interactions, and encourages employees to participate in production management. At the same time, through organizational climate surveys, employee interviews, democratic life meetings, etc., take the initiative to understand employees' perceptions and appeals to the company, explore and analyze the reasons behind, provide constructive solutions, promote management improvement, and let employees love and respect their work.

#### 3.2.6 Platform Development

The Group adheres to the modern enterprise concept, innovates the environment and system of talent development, improves the training base and training forms, pays attention to the development needs of employees at different stages, carries out career design, strives to shape innovative employees, and provides a broad stage for employees to realize their self-worth. The Group adheres to the principle of "employing superiors, loyalists, and mediocrity", and establishes a democratic, open, competitive, and merit-based talent selection mechanism, and strives to create a good environment and atmosphere in which all kinds of talents stand out and make the best use of their talents. We attach great importance to the career planning of employees, strive to realize the self-value development space for employees, and provide employees with independent, smooth and stable career development channels.

#### 3.3 Strengthen Corporate Safety Operations

Safety Training. Starting from the concept of "people-oriented, safety first", the Group has adopted various forms of safety training to enable employees to internalize the safety of themselves and others into a self-consciousness. Through continuous improvement of the safety management system, the implementation of safety protection measures to ensure the personal protection of employee safety. The Group continues to improve the safety training system and strengthen the safety training for all employees. Closely combined with employee job requirements and safety training

requirements, a safety training course system covering all employees was constructed. At the same time, our Group continuously explores innovative training methods, continuously improves the quality, efficiency and pertinence of safety training, and effectively controls various risks brought about in the production process.

Safe Production. Our Group always adheres to safety production as the lifeline of enterprise development, highlights key points, strengthens management of high-risk issues, provides a safer working environment, and strives to build first-class operational safety management capabilities. We organized a safety responsibility letter for all employees, carried out activities such as safety production month and safety lecture hall, consolidate the safety awareness of all employees, enhance safety leadership, and further strengthen the safety culture.

Case: In order to ensure the quality of the company's engineering projects, the standardization management concept of the standard project has been put in place. Since July 2017, Zhao Lizhi, Chairman of the Board of Directors of Green Build Technology Limited, and Wu Xueying, CEO of the Group, have visited the site. Suborganization Quality and Safety Supervision Department, Discipline Inspection and Supervision Department, President Office and other departments conduct joint inspections on the construction site, strengthen safety and quality management and supervision, enhance safety and quality sensitivity, pay close attention to weak links, strengthen and improve measures to ensure safety and quality. Work as a whole on the next step, and actually put the safety and quality work into practice. At the same time, firmly establish the "red line" awareness of quality and safety, implement responsibility at all levels, profoundly learn the lesson, rectify the hidden dangers of inspections within a time limit, implement them in a timely manner, and work harder to tighten the work, grasp the details, and grasp the reality.

Safety production culture construction. Safety management is the foundation of a company's sustainable development. Green Build firmly establishes the core value concept of "safety first, environmental protection is the most important, human is the decisive factor", and regards safe operation as the lifeline of enterprise development. Continuously improve the safety production security system, strengthen the safety management of personnel, production processes and emergency response, and strive to build an intrinsically safe enterprise.

#### 3.4 Vigorously Apply Technological Innovation

Scientific and technological innovation is the strategic engine for sustainable development of enterprises. Green Build is driven by scientific and technological innovation. It is jointly developed by Harbin Municipal Engineering Design Institute, Harbin Institute of Technology, Harbin Forestry University, Harbin Highway Engineering Co., Ltd. and other related institutions. And research related technologies for underground utility tunnel. Based on their own experience, they have carried out

unremitting research and exploration, tackled the common and key issues of the integrated management utility tunnel, quickly mastered the core technology, continuously improved the technical level of the integrated utility tunnel, innovated and developed the prefabricated assembly system, and obtained the patent for the prefabricated assembly system. A powerful breakthrough has helped to build a comprehensive underground utility tunnel.

#### 3.5 Social Responsibilities

Economic Growth. In 2017, in the face of the complicated domestic and international situation, on the basis of in-depth analysis and summarization, Green Build formulated the development strategy and goals for the next period. We unswervingly promote transformation and upgrading, which is the new normal for green construction to adapt to economic development. We will adhere to the principle of steady development, implement resources, market, internationalization and innovation strategies, focus on restructuring, complementing shortfalls, reducing costs, preventing risks, paying more attention to business layout and structural optimization, and to deepening corporate reforms and paying more attention to open cooperation. More emphasis on science and technology, management innovation and business model innovation, pay more attention to green and low-carbon development, promote steady economic growth, and strive to become a domestic outstanding enterprise.

Environmental protection. With global warming, reducing greenhouse gas emissions and protecting the environment have become one of the core global issues that humans need to address today. As a listed company, our Group is actively exploring effective ways to deal with climate change, reduce greenhouse gas emissions, and reduce energy consumption.

Green Build has always been a positive responder to environmental protection. We help society reduce energy consumption through contract energy management technology and green building materials, while also focusing on reducing the direct impact of its own business activities on the environment.

Case: On 28 March 2013, the company started the pilot project of contract energy management project, and completed the first phase pilot project of energy conservation renovation on 30 June 2013. The on-site inspection and tracking measurement by the authoritative third party departments such as China Classification Society Quality Certification Company, the LED energy-saving light source used in the renovation project is better than the original energy-saving lamps, and the energy consumption is reduced by 80%.

Social progress. Enterprises are rooted in the society, and giving back to the society is the responsibility of the company. Our Group will promote the common development of economy and society as the ultimate goal of the enterprise, pay attention to people's livelihood and social progress, expand joint ventures and cooperation, enhance regional development capabilities, serve community construction, and strive to promote the harmonious development of the economy and society. While comprehensively improving urban functions and promoting new urbanization construction, we adhere to open cooperation, mutual benefit and comprehensively expand joint ventures with state-owned capital, social capital and foreign capital in the upper, middle and lower reaches, and cultivate local enterprises in construction and operation. Suppliers and contractors create jobs, drive the development of related industries, give back to local people, and promote local development and social progress.

# **Section 4 Sustainable Livable City**

#### 4.1 Livable Cities Development

Urban function is the embodiment of urban value and the basis for the continuous enhancement of urban influence. The perfect infrastructure is the guarantee for realizing the function of the city carrier, the embodiment of the city's livable level, and the proper meaning of creating a civilized city.

#### 4.1.1 Livable Cities Transformation Planning

In 2016, according to the "Notice on Carrying out the Reserve Work of Energy-saving and Livable Reconstruction Projects of Existing Buildings" issued by the General Office of the Ministry of Housing and Urban-Rural Development, the provincial-level cities are required to complete the 5 million-square-meter livable comprehensive renovation project within two years. Our Group reported a total of 5,991,100 square meters of livable comprehensive renovation project completed within three years.

Livable comprehensive renovation project: In 2018, 3 million square meters; In 2019, 1.8 million square meters; In 2020, 1.2 million square meters. The 5,991,100 square meters of livable energy-saving renovation can benefit up to 270,000 owners, and the beneficiary population is huge: the diverse forms formed through the transformation cover the living needs of the owners and generate huge resource benefits, and the integration of property management resources through the establishment of multiple branches can potentially create value. In the first step, the livable energy-saving transformation market will complete the transformation of the non-energy-saving residential building stock in Harbin; the second step will gradually occupy the industrial chain and expand the business scope from the design, construction, materials, equipment supply, and other industries; the third step is around renovating the long-term profit of follow-up business services, and establish multi-format, multi-model, group-oriented operation service companies.

#### 4.1.2 Underground Utility Tunnel Planning

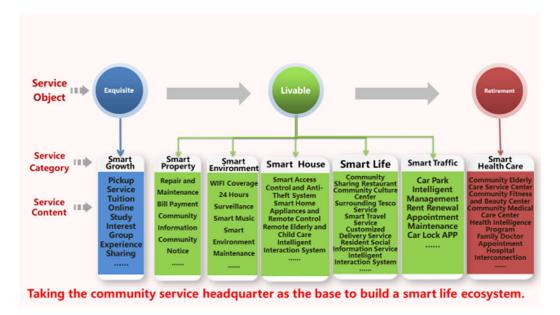
The construction of underground utility tunnel is the key to ensuring the sustainable development of the city, inspiring the vitality of the market, and creating a new economic growth point. This is not only the development requirement of the "smart" new city, but also the important mean of the "stable growth, reform, and benefit of the people." As the only project company in Harbin that continuously wins the first and second phases of the project, our Group has an absolute advantage in terms of construction management experience and engineering technology. In the next five years, we will:

- (1) Form an industrial group: The companies for the first and second phase of the underground utility tunnel project form the underground utility tunnel Industry Group.
- (2) The whole industry development model: taking the operation and maintenance management of the underground utility tunnel, the production of prefabricated components, and the installation of mechanical and electrical equipment as the entry point, the establishment of various related subsidiaries will form a development model of the whole industry.
- (3) Gaining market share: Using the new technologies, new processes, and new materials that have been developed, the rapid development of the underground utility tunnel project will be promoted, and the market will be seized to achieve greater market share.
- (4) Promote economic development: Based on local conditions, promote the economic development of Harbin, and expand the territory of Heilongjiang Province and even the whole country, acquire and reorganize related enterprises, and strive to occupy the commanding heights of the national underground utility tunnel project.

#### 4.2 Smart City and Ecosystem Development

In the future development process, we will establish an intelligent operation platform for community construction, excavate and expand property management, and integrate the operation rights of convenience service facilities, parking charge rights, logistics self-raising facilities, and venue rental fees. Focusing on property services, we will carry out home-based services such as housekeeping, maintenance, installation, sales and purchase, provide small meals, and form a new model for sustainable development of multiple industries.

Using the next-generation information technology such as the Internet of things, cloud computing, mobile Internet, and information intelligent terminals, through the automatic perception, timely transmission, timely release, and information resource integration and sharing of various types of information related to residents' lives, the community residents will be achieved The digitization, networking, intelligence, interaction and synergy of the seven elements of eating, living, traveling, purchasing, entertainment and health make the "five" become the main ways for residents to work and live, providing residents with a more Safe, convenient, comfortable and pleasant living environment. Ultimately it will make residents' lives smarter, happier, safer, more harmonious and more civilized.



4.3 Society Improvement

The Group consciously fulfills its corporate social responsibilities, develops with its partners, grows with the community, and strives to create well-being for the Group's operations and the society as a whole. At the same time, in the course of business, we pay attention to fulfilling our responsibilities, actively integrate into local communities, participate in various social welfare undertakings, promote the coordinated development of the local economy, environment and society, and strive to win the respect and trust of the international community and local parties.

The development of the company's main business enables residents to enjoy a more complete living environment and related supporting service facilities. At the same time, in the smart community ecology, enjoy convenient, efficient and humanized intelligent services. The strategic development plan of the Group's stands in the perspective of helping green environmental protection and creating a smart living environment, based on the carrying capacity of resources and environment, enhancing the awareness of green environmental protection in infrastructure construction, and adhering to harmlessness, reduction, and resources. Also, we will promote green and energy-saving consumption, continue to increase pollution reduction efforts, strengthen the concept of low-carbon construction, adhere to land-saving, energy-saving, material-saving, and build a resource-friendly and environment-friendly ecological livable city for humanity. This will be a major contribution to sustainable development.

## Outlook 2018

In 2017, we adhered to the social responsibility concept of "safe and efficient, green and low-carbon, people-oriented, open and transparent, dedication and innovation". While maintaining the rapid development of the company, we constantly improve the city's functions and treat each one more responsibly. Stakeholders strive to be the model for green development, take the initiative to accept social supervision, continuously improve the company's international competitiveness and sustainable development capabilities, and strive to maximize the comprehensive value of the economy, environment and society, and actively improve the urban environment and create a better life.

In 2018, we will continue to carry out the "Green Action Plan", strengthen the life cycle management, embed energy conservation, emission reduction and environmental protection work in all departments of the company's operations and project management, and increase the promotion of energy conservation and emission reduction standards and measures. We will do a better job in energy saving and emission reduction in the whole process, all links and all employees, and promote the company to continuously reduce costs and increase efficiency. From the four dimensions of disclosure, cognition, management and leadership, the company's climate change strategy, management system, risks and opportunities, and carbon emission management performance will comprehensively respond and publicly disclose, practice green development, build a dream of blue sky, to truly benefit the people and benefit the society.

# **Appendix**

United Nations Sustainable Development Goals (SDGs) for sustainable development of Green Build Technology Limited

No.	SDGs	Green Build
1		- Comprehensive livable transformation
	The eradication of	<ul> <li>Forest cultural tourism development,</li> </ul>
	poverty	promoting precision poverty alleviation
		- Project construction, driving employment
2	Eliminate hunger	- Forest cultural tourism development,
		promoting precision poverty alleviation
3	Good health and well-	- Comprehensive and livable renovation,
	being	reducing smog and improving the
		environment
		- Forest health care medical campaign to
		improve people's health awareness and
		level
		- Caring for employees' physical and mental
		health, improving employees' health and
		well-being
4	Quality education	- Forest Culture and Ecology City Provides
		quality education resources for the public
		- Strengthen employee training and study,
		improve staff quality and ability
5	Gender equality	<ul> <li>Company male to female ratio</li> </ul>
		- Caring for women's growth
6	Clean water and	<ul> <li>Forest groundwater resources protection</li> </ul>
	sanitation	<ul> <li>Comprehensive renovation of recycling</li> </ul>
		water in the old cities (Sponge City)
7	Cheap and clean	<ul> <li>Forest clean energy recycling</li> </ul>
	energy	<ul> <li>The use of a variety of clean energy</li> </ul>
		sources such as solar energy in old cities
8	Decent work and	- Employee common development plan:
	economic growth	partnership and training
		<ul> <li>Green building industry development</li> </ul>
		<ul> <li>Cultural tourism industry development</li> </ul>
		<ul> <li>Urban livable industry development</li> </ul>
		- Healthcare industry development
9	Industry, innovation and	- Urban underground utility tunnel
	infrastructure	infrastructure integration development
		(national standard)
		Internet + smart underground utility tunnel
		information management platform

		One-stop full smart community ecological infrastructure construction
10	Narrowing the gap	<ul> <li>Accurate poverty alleviation, narrowing the gap between urban and rural development</li> <li>Renovation of old urban areas, narrowing the environmental gap of urban residents</li> </ul>
11	Sustainable cities and communities	Comprehensive renovation of old urban areas to achieve sustainable urban development     Ecological community construction, realization of livable community ecology
12	Responsible for consumption and production	<ul> <li>Promote safety management, promote green production, and standardize production</li> <li>Apply energy-saving innovation technology to improve project quality</li> </ul>
13	Climate action	<ul> <li>Energy-saving renovation for green buildings</li> <li>Reducing pollutant emissions</li> <li>Protection of forest ecology and tourism resources and civilization</li> <li>Contribution to the green environment</li> </ul>
14	Underwater creature	Protection of forest ecology and tourism     resources and civilization     Forest resources are treasure
15	Terrestrial creature	<ul> <li>Protection of forest ecology and tourism resources and civilization</li> <li>Forest resources are treasure</li> </ul>
16	Peace, justice and strong institutions	<ul> <li>Adhere to the law and compliance management to ensure the steady corporate development</li> <li>Relying on the platform of listed companies to form a sustainable development mechanism</li> <li>Establish a collaborative development platform and cooperate with central enterprises</li> </ul>
17	Partnership to promote goal achievement	<ul> <li>Integration of supply chain resources to create a full industrial chain development model</li> <li>Maintain communication with stakeholders, work together for a win-win situation</li> </ul>

