"We engage and listen to our end users to envision the solutions our customers trust us to build."

Seung Taeun Kim
For more than 60 years, Hanwha has grown steadily and evolved by anticipating changes and embracing challenges.

In times when others have sought cost reductions, we looked for opportunities and innovated. In so doing, we did more than stay afloat; we stood out and excelled. At the heart of our success was our belief that we were doing the right thing—improving the life for everyone whose lives we touched. We continue believing in this mission and it’s what inspires us to build for all, including the generations today and the generations to come. It’s why we’re continuing to foster trust and loyalty. But after 60 years, we’re facing a landscape that has also evolved and where competition is fierce and change is rapid. The Fourth Industrial Revolution is upon us; uncertainty looms ahead. But for us, we remain steadfast to what we’ve always done and what we must do. We must find opportunities in the midst of change and in spite of challenges.

Hanwha’s key affiliates anticipate changes in the traditional value chain in all business areas. In preparation, we’ve been innovating and adapting our business models to match the needs of customers and that align to the trends in the industry. We’ve expanded our businesses and improved our infrastructure to support our growth. And we’ve been very successful. In 2017, we achieved a revenue of USD 56.9 billion, a sales record for our company.
Embracing innovations and pursuing opportunities to build a better future

This past year, the chemical business was highly responsive to the increase in global demand. The results of its efforts drove the Group’s overall performance to unprecedented levels. This achievement was due, in part, to the successful execution of a strategy to diversify our product portfolios while also focusing on developing high-value-added products. Our general-purpose products have also been highly competitive in the market, furthering our success. Our high-value-added basic products, segue into specialized products, and diversification of our supply of raw materials have been key to our steady growth.

Advanced Materials has contributed to the Group’s overall performance. Last year in 2017, the company’s lightweight composite materials for automobiles captured and held 70 percent of the global market. This can be attributed to the importance we’ve been placing on investing for the future. For the last 10 years, we’ve been securing proprietary technologies and increasing our investments in R&D to continue improving our capabilities.

In aerospace, we are concentrating efforts in the international markets with our world-class advanced aircraft engine technology. To strengthen our competitiveness in the advanced aircraft engine business, we reorganized our business structure in 2018. We also changed the company name to Aerospace. Back in 2017, we signed an agreement with GE, a global manufacturer of aircraft engines, to supply engine parts worth USD 229 million. And for the last three years, we have secured contracts valued at USD 6.3 billion.

In mechatronics, we are partnering with manufacturing companies in Asia and Europe. Our laser focus is on innovations. Like our joint venture in Singapore, it is a local partnership that leverages our unmanned industrial robot technology that we first commercialized in South Korea.
At +DQZKD, we reciprocate the loyalty of our customers. We do this by maintaining high-quality products, rewarding customers, and developing products that solve problems. And when faced with the choice, we choose legal, ethical, and economic responsibilities over any short-term gains.

As good corporate citizens, our mission is to help people thrive. We donate solar energy equipment to welfare facilities, schools, and public facilities at home and abroad. This helps people in need and at the same time has the added benefit of helping our planet. We sponsor and promote social contribution activities in culture, arts, and sports. In 2018, we were an official sponsor of the PyeongChang 2018 Olympic and Paralympic Winter Games.

Helping people also means helping our employees, our most valuable assets. We cultivate future talents and foster an organizational culture because we believe that when the business grows, jobs should get better and talents must be nurtured. After all, in the world today, the clearest solution to the greatest challenges, is people.

The people at +DQZKD are our answer to a world of uncertainty where rapid advancements in digital technology are accelerated by emerging technologies and infrastructure changes. Our people understand that because change is constant, we too must change. Innovations and ideas are not enough to address these challenges of tomorrow; we must look beyond maximizing profits and seek long-term value and sustainable social developments, today. The answer isn’t simple but with the right cause and the right people, we can Go Further Together and continue our success. We hope you agree and join us on this important journey ahead.

Our vertically integrated solar energy business is leading the change in the energy paradigm for the future. Our steel frame modules that utilize +DQZKD Q CELL’s core technology were recognized by EuPD Research for its innovation for the sixth time in a row in Europe as the Top Brand PV Seal 2019. We held the No.1 market share in the US, South Korea, Japan, Germany, and Australia. We’re continuing to increase sales in the US and Japan and in emerging markets, such as India. And with a production capacity of 9GW, we are already the largest manufacturer of solar cells and one of the biggest module manufacturers in the world. By 2020, we expect to be a recognized leader in the global solar energy market.

In financial services, +DQZKD is accelerating innovations for the future. Using digital technology, we have built an advanced customer management system utilizing Big Data. We are also promoting Fintech-based business models in a range of fields to maintain our leadership in this fast-paced financial market. We’re currently building a blockchain-based platform and using artificial intelligence to advance our customer service.

Our services & leisure affiliates are also harnessing Big Data to better understand our shoppers—the latest fashions, trends, and preferences through various social media outlets. Using this data, we’re customizing our products to cater to their needs, and developing better marketing programs for our customer segments. Product customizations and tailored marketing programs will allow us to offer differentiated experiences to shoppers and tourists domestically or abroad while also contributing to the local economies. In 2018, we will open a premium marina resort complex with high-end recreational facilities.
At Hanwha, we partner with our customers. We listen first and then create solutions. Our expertise and approach are guided by deep understanding of customer needs that we apply to products and services that are changing how the world works, lives, and plays.
WE SEEK NEW TECHNOLOGIES WITH WHICH YOU CAN FIND NEW APPLICATIONS.
Researchers are leaders in their fields and passionate about innovating and exploring new ways to produce petrochemicals and advanced materials that our customers leverage to push their own limits of what is possible in automotive engineering, solar energy, nanotechnology, and other fields. For example, our breakthrough process for producing the synthetic resin EVA is allowing companies to manufacture solar cells with higher purity, transparency, and efficiency at lower costs.

In the automotive industry, our revolutionary lightweight composite materials are prized for their durability and flexibility—comparable to steel in strength but with 20 to 25 percent less mass. This means cars can weigh less but perform better. These and other innovations provide greater value for our customers and attract partnership opportunities for worldwide.
A Leader
In South Korea

Hñosu is a leader in South Korea’s petrochemical sector with total sales of USD 18.6 billion.

ETHYLENE
No.1
In South Korea

With an ethylene production capacity of over three million tons, Hnosu ranks first in South Korea and ninth worldwide in this important market.
EVA

No.1 Worldwide

Hansoh has an ethylene vinyl acetate (EVA) production capacity of 660,000 tons, the largest of any company in the world.

PTA

No.1 In South Korea

With a purified terephthalic acid (PTA) production capacity of more than two million tons per year, Hansoh ranks No.1 in the domestic PTA market.

W&G Compound

World-Class Innovation

After acquiring W&G compound, an innovative polyethylene synthetic resin, for the South Korean market, Hansoh had in effect freed the South Korean manufacturers from their dependence on imported resins for power transmissions and distribution cables.
70% Global Market Share

Hexion’s StrongLite and SuperLite products now account for 70 percent of the global market in GMT (glass fiber mat thermoplastics) and LWRT (low-weight reinforced thermoplastics) technologies.

R&D Growth Engines

Hexion’s Research and Development is focusing on growth areas for the future, including new chemical products, automotive parts development, materials, and applications.
HERE ARE ANSWERS TO QUESTIONS AS WE LOOK TO THE FUTURE.
From here on earth for the skies above, Hanwha is developing world-class products in aerospace and mechatronics to help corporations and governments meet their future needs in manufacturing, commerce, security, and travel. And we continue to pursue technological partnerships with other leading companies to develop solutions that satisfy customers around the globe.

**AEROSPACE & MECHATRONICS**

Leading in Innovation and Expertise

We are the only company in South Korea with advanced aircraft engine technology. Through our innovations and industrial expertise, Hanwha is becoming a global force in the aerospace and mechatronics industries with outstanding technologies for radars, optics, avionics, and unmanned control systems.
AEROSPACE

USD
12 Billion

Honluh Aerospace has secured aerospace contracts worth nearly USD 12 billion by partnering with global aviation engine companies such as Pratt & Whitney, GE, and Rolls-Royce. We also signed an agreement with United Technologies International Corporation Asia Private Limited (Pratt & Whitney subsidiary) to acquire a 30 percent equity interest in PW/JIPT Manufacturing Company Singapore Pte. Ltd. The plan is to manufacture hybrid metallic fan blade parts and high-pressure turbine disks for engines.
SECURITY

Innovative CCTV Solutions

Hanwha Techwin has accumulated over 30 years of core technologies in optics and image processing. We leverage our technologies to develop complete security solutions including video surveillance equipment and integrated solutions. With these products we’ve successfully expanded into new markets and increased market share in global markets.

We’re now applying our expertise and experience to develop the next-generation technologies around deep learning and intelligent video analytics. We have the answers to today’s problems.

MACHINERY

Expertise Leads to Growth

With more than 50 years of experience in global mechatronics, Hanwha continues to develop innovative technologies for this industry. Our customers use our technology to improve productivity and efficiency.

ELECTRONICS

C4I Innovation

By leveraging our strategic alliances and building unique technologies in command, control, communication, computer, and intelligence (C4I), Hanwha Systems is bringing innovative solutions to global markets.
TOMORROW

WE INVEST IN THE POWER OF TOMORROW SO YOU CAN MEET THE ENERGY DEMANDS OF TODAY.

TODAY
With global-level capacity and top-quality solar products and services, Hanwha has rapidly become one of the most trusted names in the global solar industry. We are at the forefront of innovation in the solar energy sector, with sustainable solutions designed to address the global energy challenges of today and tomorrow.
Horunio Q CELLS’ proprietary Q.ANTUM solar cells significantly reduce energy consumption by utilizing PERC (passivated emitter rear contact) architecture. In 2016, the company achieved a record-breaking 19.5 percent efficiency rating with its multicrystalline solar module, the first module of its size to break the 300-watt barrier.

Then in 2017, DNV GL, the world’s largest classification society, rated each Horunio Q CELLS’ Q.PEAK and Q.PLUS series modules the Top Performer. In June 2018, Horunio Q CELLS succeeded in mass-producing 2 billion 10GW Q.ANTUM solar cells.

Horunio Q CELLS has the highest ranking among installers and has won the Top Brand PV Seal 2019 from EuPD Research for the sixth time in a row in Europe and the fourth time in Australia. In 2016, EuPD Research also ranked Horunio Q CELLS as the top module manufacturer in the US for the first time.

Horunio has state-of-the-art solar energy R&D centers in Germany, South Korea, China, and Malaysia. Its marketing and sales operations are in more than 40 countries throughout Europe, Asia, and North America.
In 2016, Hanwha Q CELLS signed the largest single contract ever in the solar industry. The agreement was with a company in the US, NextEra Energy Resources, to provide more than 1.5GW of solar modules. Hanwha Q CELLS is the market share leader among all global manufacturers in Japan and the US—the two of the three largest solar markets in the world. Hanwha Q CELLS is also leading in the emerging markets of India and Turkey. Our efforts are setting examples for green growth for the next-generation and promoting employment in the new energy industry.
WE INNOVATE FINANCIAL PRODUCTS SO YOU CAN SECURE A PEACE OF MIND.
FINANCE

Hanshuha offers a complete financial service platform with insurance, securities, asset management, and banking products. We create value for individuals and institutional customers by continuously adapting to today’s rapidly changing financial landscapes and providing financial solutions that give customers the freedom to pursue their dreams.

Value-Added Services for Individuals and Institutions

Historically, Hanshuha has remained solid and stable while offering comprehensive financial solutions, including insurance, banking, securities and asset management services.

INSURANCE
- Life
- Non-life
- General insurance

ASSET MANAGEMENT
- Stocks
- Bonds
- ETFs
- Derivatives
- Real estate
- MMFs
- PEFs

SECURITIES
- Asset management
- Brokerage services
- Trading
- Investment banking

BANKING PRODUCTS
- Deposits
- Commercial and personal loans

TOTAL FINANCIAL SOLUTION

Hanshuha Life
Hanshuha General Insurance
Hanshuha Asset Management
Seventy years after being established as South Korea’s first life insurance company, Hanwha Life reached a new milestone with USD 93.3 billion (KRW 100 trillion) in total assets. In 2017, we grew and achieved new heights to lead the industry with USD 103 billion in total assets. We’ve maintained a sound financial structure since 2010, when we were first recognized as a major domestic insurer in the securities market. Hanwha Life is achieving industry-leading value in asset management, on-site sales competitiveness, and product development capabilities.
FINTech

Securing Future Growth

Fintech is leveraging Big Data strategically and applying the latest financial technologies to create sustainable growth in new markets, including online banking, insurance, and lending with mid-range interest rates.
SALES NETWORK

Global Expansion

Hanwha Life continues to advance in the global market with successful subsidiaries in Vietnam, China, and Indonesia. Our next goal is to become the leading insurance company in each of these countries.
WE IMAGINE DISTINCTIVE EXPERIENCES TO HELP YOU REALIZE YOUR DREAMS.
From first-class shopping experiences to luxury hotels and resorts, Hanwha is dedicated to helping our customers enjoy richer and more fulfilling lives. We continue to expand our services and leisure businesses to bring dream-like experiences to life, for people around the world.
RETAIL

Premium Contents
Producer

The Galleria is South Korea’s first and foremost premium department store chain. These stores represent Hankyul’s commitment to providing differentiated customer experiences by incorporating timely lifestyle consumer trends into its offerings. Galleria Duty Free $1 is another store operated by Hankyul. It too is renowned for its luxury brands and has become both symbolically and literally, a golden landmark in the nation’s capital city of Seoul. The Galleria Duty Free $1 resides within one of the tallest buildings in South Korea, the $1 building, and is also owned and operated by Hankyul. The $1 building boasts an aquarium and observation deck providing a combination of high-end shopping and tourist attractions for the discerning traveler.
HOTELS
A One of a Kind

The Plaza is South Korea’s most luxurious boutique hotel and considered one of the preeminent hotels in Asia. This 5-star hotel is centrally located in the heart of Seoul, amidst a myriad of tourist attractions and bustling nightlife. The Plaza boasts 400 rooms and over 20,000 square feet of event space. It’s impressive in size but it is in its refined design, impeccable service, and premium accommodations that we take pride.

The Plaza is the first hotel in South Korea to join the Autograph Collection, Marriott International’s premium portfolio of distinctive hotels. We are introducing exclusive services that combine the advantages of a local hotel brand with the benefits of a premier chain hotel brand.

AQUARIUMS
Leader in Maritime Culture

Hyundai’s affinity for marine life shows in our chain of award-winning aquariums, including the eco-friendly Aqua Planet located in the South Korean cities of Jeju, Yeosu, and Seoul. Aqua Planet Jeju features a diverse and world-class marine aquarium. Aqua Planet Haeundae features an aquarium and a zorbin combined. Aqua Planet Haeundae showcases South Korea’s only 360-degree dome aquarium. Our expertise in marine life and aquarium architecture is renowned and sought out internationally.

RESORTS
Fine Stays, Special Destination

Launched in 2018, Hyundai’s resorts & resorts™ Geoje Belvedere is an upscale beachfront resort complex that offers its guests a holistic experience—where wellness and wellbeing are taken to a whole new level. Nestled between a lush coastal mountain top and an idyllic sea, the Belvedere is the ultimate destination where nature meets luxury. There are 470 rooms, each with breathtaking views overlooking the ocean. Guests can partake in amenities from fine dining to nature immersion programs to aquatic activities including yachting.

The Belvedere’s single purpose is to help you connect to nature so you can unwind, rejuvenate, and enjoy life, as it was meant to be.

Launched in 2018, Hyundai’s resorts & resorts™ Geoje Belvedere is an upscale beachfront resort complex that offers its guests a holistic experience—where wellness and wellbeing are taken to a whole new level. Nestled between a lush coastal mountain top and an idyllic sea, the Belvedere is the ultimate destination where nature meets luxury. There are 470 rooms, each with breathtaking views overlooking the ocean. Guests can partake in amenities from fine dining to nature immersion programs to aquatic activities including yachting.

Looking for something special? The Belvedere’s single purpose is to help you connect to nature so you can unwind, rejuvenate, and enjoy life, as it was meant to be.
WE ENVISION POSSIBILITIES SO YOU CAN ACHIEVE YOUR GOALS.
Imaginations to Possibilities

Hanwha partners with customers to understand their needs and goals. Our deep level of engagement enables us to truly envision before we build and exceed customer expectations after we do. From spectacular performance venues to cutting-edge manufacturing facilities to affordable housing that brings families and communities together, Hanwha is helping to enrich the lives of millions around the globe.
Iraq Projects

Building A City

Hanaulah Bismayah New City Project is an unprecedented effort to build an entire city covering nearly 60 city blocks and including over 800 apartment complexes. The Bismayah New City Project is the largest construction project in the history of the Middle East by a South Korean company. And recently, another contract worth USD 2.1 billion to build the social infrastructure for Bismayah city has been secured, pushing the total value of the project to more than USD 10 billion.
Turnkey Solutions

Hamtrah E&C continues to solidify its market presence in the Middle East and North Africa with industrial, power, and petrochemical plant projects, including the construction of the Saudi-owned Ma’aden petrochemical plant, which will have an annual production capacity of 1.5 million gallons of fertilizer.

Integrated Energy Development

Hamtrah E&C is expanding its technologies and capabilities. One example is the Saudi Yanbu II power generation and desalination plant. They produce 15 million gallons of water a day.

Suwon Convention Center

Hamtrah E&C, ECD, and Konsept are partnering to build a hospitality infrastructure, a hotel, a department store, and an aquarium. Hamtrah’s engineering and construction expertise is bringing the visually stunning Suwon Convention Center to life.
Hanwha’s Vision

Our vision is to touch the lives of every individual in every country in which we operate. We want to elevate the quality of life with our innovations and solutions. And to achieve our vision, we’ve set goals to help us lead in all markets our businesses compete in. Anticipating change, innovations, and investments into future technologies and infrastructure are at the forefront of our agenda for each of our businesses. At the same time, we remain steadfast in helping our customers grow with us with the products we build for them. After all, our commitment is to our customers, employees, and to the world in which we live.

Our Spirit & Core Values

At Hanwha, we operate with the spirit of trust and loyalty above all else. They are reflected in our core values and serve to guide us in how we do business and why we innovate.

Our Core Values

- We believe in challenging the status quo in the pursuit of excellence through change and innovation.
- We are dedicated to our company, customers, and one another to achieve a greater goal.
- We believe in acting with integrity in everything we do, as individuals and employees.

CHEMICALS & MATERIALS
A top 5 leader globally

AEROSPACE & MECHATRONICS
Global leader in aerospace engine and mechatronics solutions

SOLAR ENERGY
Global market leader in solar energy

FINANCE
Top financial group in South Korea

SERVICES & LEISURE
Top provider of premium leisure experiences and services in South Korea
After our founding in 1952, Hanwha has grown into a Fortune Global 500 company. Our business expertise and synergies in manufacturing & construction, finance, and services & leisure have made us the 8th largest business enterprise in South Korea. And by quickly anticipating and responding to changing market conditions, we’ve led the industry with world-class capabilities. Our focus on well-executed strategies and our aggressive investments have helped us to successfully overcome the toughest challenges in key industries in chemical, aerospace & mechatronics, solar energy, and finance. We’re now building the foundation for sustainable development and a brighter future for all.
Korea Explosives Co. (now our devastated nation. In 1952, Korea Explosives Co. [now Hanwha Corporation] produced industrial explosives desperately needed for the reconstruction of our nation's infrastructure. This company succeeded in producing nitroglycerin in 1959 and became the second country in Asia to produce industrial explosives. Since then, much has changed and so did we.

As the nation's economy grew, we acquired other companies and expanded its business enterprise globally. One thing, however, remains the same: our mission that a business should contribute to its society; and we do. After launching Kyung-In Energy in 1969, we entered the petrochemicals business and diversified businesses and building a robust network of overseas operations. We sought new opportunities that could lead to greater success without a single labor dispute, and were heralded as a role model for other South Korean corporations to follow.

During the 1997 Asian financial crisis, our second chairman, the company's Second Foundation had effectively begun. And in the aftermath of the global oil shock in the 70's, one of the company's key decisions was to divest into the petrochemical business by acquiring Hanwha Chemical and Dow Chemical Korea. We quickly turned the failing businesses into the powerhouse they are today [now called Hanwha Chemical], the global chemical market. Under Mr. Kim's leadership, we're diversified into finance and services & leisure. In 1985, we acquired Hanwha Hotels & Resorts to become South Korea's leading leisure company. In 1988, we also diversified Hanwha's fine chemicals, expanded into the retail industry, and by selling profitable affiliates, made employee job security our priority and moved forward with faith in our spirit of trust and loyalty. We sought new opportunities and began acquisitions. One of them was Korea Life Insurance in 2002, a business that we have since grown steadily to make it the second largest life insurance carrier in South Korea with assets of KRW 1.19 trillion in 2011. We emerged from the financial crisis without a single labor dispute, and were heralded as a role model for other South Korean corporations to follow.

In 2009, Hanwha acquired US-based AZDEL Inc. and acquired Germany-based Q.CELLS to become South Korea's leading solar energy component maker. In 2016, Hanwha Q CELLS became the market leader in the US, South Korea, Australia, and Turkey. Our progress and successes reflect our efforts and focus to strengthen our global competitiveness and adopt preemptive technologies. Solarico Power Holdings and Q CELLS were acquired in 2010 and 2011, respectively, paving the way for Hanwha Q CELLS to become the world's first solar cell producer. In 2016, Hanwha Q CELLS became the market leader in the US, South Korea, Australia, and Turkey. Our progress and successes reflect our efforts and focus to strengthen our global competitiveness and adopt preemptive technologies.
### Financial Highlights

**Total Sales**

<table>
<thead>
<tr>
<th>Year</th>
<th>Sales (USD Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>53,895</td>
</tr>
<tr>
<td>2017</td>
<td>56,907</td>
</tr>
<tr>
<td>2018</td>
<td>61,242</td>
</tr>
</tbody>
</table>

**Total Assets**

<table>
<thead>
<tr>
<th>Year</th>
<th>Assets (USD Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>150,253</td>
</tr>
<tr>
<td>2017</td>
<td>176,887</td>
</tr>
<tr>
<td>2018</td>
<td>180,331</td>
</tr>
</tbody>
</table>

**Total Liabilities**

<table>
<thead>
<tr>
<th>Year</th>
<th>Liabilities (USD Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>122,231</td>
</tr>
<tr>
<td>2017</td>
<td>142,079</td>
</tr>
<tr>
<td>2018</td>
<td>143,257</td>
</tr>
</tbody>
</table>

**Total Stockholders Equity**

<table>
<thead>
<tr>
<th>Year</th>
<th>Equity (USD Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>26,022</td>
</tr>
<tr>
<td>2017</td>
<td>34,807</td>
</tr>
<tr>
<td>2018</td>
<td>37,074</td>
</tr>
</tbody>
</table>

* The financial data in the Financial Highlights show the simple aggregate of sales, total assets, total liabilities, and total stockholder equity among Hanwha Group’s major affiliates at home and abroad. (Source: Hanwha Group)

* Figures for sales and total assets of individual affiliate companies published on page 70 and subsequent pages of this brochure are data officially announced by the financial supervisory service.

* This outlook data was generated prior to completing the internal financial statements, accounting reviews, and an external audit report and, therefore, subject to change upon settlement of accounts and accounting audit results. The outlook data also include information on forecasts that may be affected by risks, market conditions, uncertainties, or changes in circumstances. In addition, the actual results may differ from the published or suggested content herein, and may change without prior notice due to shifts in market conditions and change in strategies. This data was generated for reference purposes only. Hanwha Group has no obligation to set or change expectations and forecasts for the future contained herein. The data contained herein should not be used for investment purposes. Hanwha Group does not provide any guarantee for the data and its contents, and has no liability or responsibility for the outcome of investments made based on this data.

* Sales are converted into US dollars at the average exchange rate of USD 1= KRW 1,130.84 in 2017, and KRW 1,160.50 in 2016.

* Assets, liabilities, and shareholder equity amounts are converted into US dollars at the December 31 closing exchange rate of USD 1= KRW 1,071.40 in 2017, and KRW 1,208.50 in 2016.

* The 2018 expectancy data was converted based on Hanwha Group's internal exchange rate of USD 1= KRW 1,130.
Manufacturing & Construction

Hanwha Corporation
Hanwha Aerospace
Hanwha Defense
Hanwha Systems
Hanwha Techwin
Hanwha Precision Machinery
Hanwha Power Systems
Hanwha Chemical
Hanwha General Chemical
Hanwha TOTAL Petrochemical
YEDOIN NOC
Hanwha Advanced Materials
Hanwha Q CELLS
Hanwha Energy
Hanwha Engineering & Construction
Hanwha City Development
Hanwha Corporation was founded in 1953 as Korea Explosives Company, quickly becoming the leader in the explosives industry of South Korea. It has since grown into a global manufacturing and trading company operating in four business areas—explosives, defense, trading, and machinery.

In 1953, Hanwha was the first domestic manufacturer of dynamite in South Korea. After having successfully developed safer, high-quality industrial explosives and fire-fusing processes, we have been able to supply the South Korean government with the crucial means to rebuild its cities and infrastructure.

Today, Hanwha Corporation continues to apply its extensive experience with explosives technology and has expanded into new explosives materials, explosives manufacturing, and explosives applications worldwide. We entered the mining service market in 2014, quickly gaining a firm foothold in the world markets with high-quality products and services. We started offering mining services in South Korea and Indonesia. We continued to expand our business into new service areas. In 2015, we entered a new market and took over the Australian mining service company LXE by providing high-quality products at competitive prices. We also completed the full vertical integration of nitric acid-ammonium nitrate-industrial explosives by acquiring granular ammonium nitrate production lines. And we continued to invest in innovations to produce high-value-added technologies, such as the electron-detonate system.

Since entering the defense industry in 1974, Hanwha Corporation’s Defense business has contributed significantly to improving South Korea’s military defense capabilities. We operate businesses in precision-guided munitions, advanced ammunition, and underwater surveillance equipment. We have also enhanced the aromatic business, sharpening our competitive edge. In 2017, we conducted large-scale mergers and acquisitions, changing our business focus from ammunition and guided munitions to include well-propelled guns and engines for aircraft and fleets. We also invested in defense electronics such as radar and combat systems. In 2018, we began building our competitiveness in navigation systems and laser core technologies of the future weapon system, i.e., our new growth engines. We have been instrumental in the formation of the South Korean 3-axis command and control system that is made up of the Korea Air and Missile Defense (KAMD) Kill Chain, and Korea Massive Punishment and Retaliation (KMPR)—which earned us a reputation for consistent reliability from the South Korean government. To become a “trusted global partner in providing innovative defense solutions,” we are securing core business competencies and strengthening our internal capabilities.

Hanwha Corporation (Trade) is an international trading company that has played a leading role in globalization. Hanwha Group after it was founded in 1966. We have built a global network of more than 27 overseas corporations and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices. Our network allows us to work in synergy in world markets for trade, manufacturing, and offices.

In addition, we have successfully developed and supplied solar cell and module technologies, combining our technology and quality competitiveness. We are becoming a world-class solar power equipment manufacturer by developing overseas markets. With continuous R&D and innovation, Hanwha Corporation/Machinery is moving forward as a global leader in machinery equipment to provide total engineering solutions.
Hanwha Aerospace began by building businesses in the aircraft engine and film camera industry in 1987. Since then, we’ve aggressively invested in research to develop our technologies in optics, video, and aircraft engines. We then expanded into aircraft engine parts, aircraft components, and gas turbine engines businesses. To evolve as we have, we had to successfully develop top-tier and original application technologies that gave us the competitive edge needed for our businesses around the globe. As our technologies advanced so did our expertise and our ability to not only meet the changing market demands but to anticipate them.

As South Korea’s only producer of gas turbine engines for the last 40 years, we have been in a fortunate position to anticipate the ever-changing markets and address them through continuous development of technology while focusing on quality.

In 2015, we began a partnership with LGU, a company in Turkey, to export aerospace parts. Our aerospace maintenance business also signed a memorandum of understanding with GE. In 2016, we entered into a contract with the American aerospace manufacturer, Pratt & Whitney to operate a joint venture with a Singaporean manufacturing company, becoming a trusted partner in the global aircraft industry. Our partnership with Pratt & Whitney is a Risk and Revenue Sharing Partnership (RSP) to co-build the next-generation aircraft engine. This partnership represents our joining the ranks of other leading aircraft manufacturers from around the world.

In 2017, we established a production base in Vietnam to improve our cost competitiveness and increase production capacity.

We’re in an industry that sees great and fast changes but despite them, we’ve seen great successes and we remain committed to our goal of becoming the top global partner in aviation industry. The K7177 (for command post), the K716 (also CBI, Chemical Biological and radiological), the K26 (also Tigon, the K21 (small grenade launched), and the K208 (self-propelled howitzer) have allowed us to build a powerful turbine engines businesses. To evolve as we have, we have been in a fortunate position to anticipate the ever-changing markets and address them through continuous development of technology while focusing on quality.

In 2017, we began a partnership with LGU, a company in Turkey, to export aerospace parts. Our aerospace maintenance business also signed a memorandum of understanding with GE. In 2016, we entered into a contract with the American aerospace manufacturer, Pratt & Whitney to operate a joint venture with a Singaporean manufacturing company, becoming a trusted partner in the global aircraft industry. Our partnership with Pratt & Whitney is a Risk and Revenue Sharing Partnership (RSP) to co-build the next-generation aircraft engine. This partnership represents our joining the ranks of other leading aircraft manufacturers from around the world.

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As a leading global total solutions company, Hanwha Systems provides differentiated smart technologies in defense & IT and information infrastructure. In August 2018, we launched the new ICT division through the merger with Hanwha S&C. Our ICT division will enable us to increase our leadership in defense electronics by leveraging advanced defense IT and system integration capabilities. And by strengthening our S&C business competencies, we will be able to expand into areas of public infrastructure and private security.

Since its founding in 1978, the Hanwha Defense division has significantly advanced the defense capabilities of South Korea’s military. We’ve applied over 40 years of experience and technologies in precision electronics and ICT to develop advanced systems for surveillance, reconnaissance, control, communication, computers, and intelligence (C4IC), naval, and aerospace.

Our surveillance and reconnaissance systems that we developed for South Korea’s national defense include the thermal observation device (TOD), electro-optic tracking system (EOTS), infrared detection tracking equipment, electro-optic tracking system (EOTS), thermal observation device (TOD), multifunction radar, and M-sam Multifunction radar.

Hanwha Systems’ C4IC businesses are completely reliant on our original technologies for developing products that can operate in various combat environments. We produce next-generation tactical information communication networks (TICN) using these technologies and next-generation satellite communications systems. For the South Korean Navy, we serve as the sole supplier for their naval combat management system. Our proprietary technology is at the heart of these enhanced combat systems and integrated solutions for sensors and armament.

In aerospace, we are developing core assets: electronics for the light armed helicopter (LAH) and Korean fighter airplane (KF-10). We are also building Synthesis/Aperture Radar for military reconnaissance satellites. Our strategy is to lead the future defense industry by improving our technical capabilities and building strong relationships with key partners who are leading the Internet of Things (IoT) and Artificial Intelligence (AI).

Our seven customer support centers across the nation provide product support for weapons systems operations. Hanwha Systems offers integrated logistics support (ILS) with timely customer support, guaranteed.

Hanwha Systems’ ICT division’s history dates back to Hanwha Group’s ICT team integration in 1991. After spinning off from Hanwha Corporation in 2001, Hanwha ICT has accrued deep-level experiences in system integration from having developed world-class IT solutions and services over the years in a variety of industries, including manufacturing defense, construction, financial services, retail, service, and education. While now building customized systems with expertise that differentiates us and makes us more competitive in these industries.

Our ICT division operates a Cloud-based Big Data center that provides data analytics. And combined with our smart factories powered by IoT and Big Data technologies, we’re on a path to improve productivity, predictability, quality, and processes for our companies and our clients. We’re even helping our nation as a whole—keeping cities safe with our integrated security and control platforms designed for the public infrastructure.

We are on a journey, a digital transformation, seeking both possibilities and opportunities with digital innovations and disruptive technologies that combine AI, IoT, and Big Data. We’re building internal blockchain platforms in anticipation of the Fourth Industrial Revolution (We’re forging A+ technology partnerships with global leaders like Element AI, a globally leading AI company. Our partnerships will lead to the development of core technologies on deep learning including text analysis, natural language processing, and knowledge databases. We will apply our technologies to strengthen our businesses globally in finance, manufacturing, and the services industries so that by 2025, we can begin benefiting from the possibilities realized and the opportunities taken.

Established in 1997, Hanwha Techwin’s advanced optical technology and image-processing technology have made us a global leader in video surveillance. We’re heavily invested in R&D to innovate and meet the ever-changing market needs. In so doing, we’ve been gaining recognition as a global top-tier company. By applying our experience and subject matter expertise to our product development, we’ve been able to create a complete line of security solutions from ICT, TV, and video recorders to integrated management software. Our products are designed to meet every application including urban surveillance, retail, transportation, and banking.

We manufacture over 2.7 million video surveillance devices in South Korea, China, and Vietnam. They’re sold through our sales networks across Europe, the Americas, China, Middle East, and Asia. Currently, 76 percent of our total assets are based on consolidated financial statements.

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Hanwha Precision Machinery

www.hanwha-precisionmachinery.com

EXPERTISE
Chip mounters, screen printers, application equipment, machine tools, collaborative robots, industrial automation equipment, and integrated software solutions.

We have two primary product lines. Since launching in 2015, our SM line has continuously evolved. It boasts the best performance in its class and is the world’s only modular conveyor system where key customer feature requirements and production lines have been integrated. The DECAN series, our flagship product line, is a new high-speed mounter that can claim to be the world’s first collaborative robot in the industry. It has continuously evolved. It boasts higher production efficiency, greater installation accuracies, zero defects, and lower maintenance costs. Our solutions that include the T-Solution, SMF mounters, and collaborative robots, are just some of our products that represent our commitment to innovate continuously and our ability to overcome the toughest challenges. We do this to develop customer-oriented solutions that deliver greater efficiency, sensitivity, and value. We do this because ultimately, as partners, when our customers succeed, we succeed.

Hanwha Power Systems

www.hanwha-powersystems.com

EXPERTISE
Industrial air and gas compressor, gas turbines, power generation system

In 2011, we entered the gas compressor market and are now the only energy equipment company in South Korea capable of independently designing, producing, and testing large capacity, high pressure gas compressors. Our high efficiency compressors along with our expanders, give our customers a competitive advantage in delivery and the ability to build their core components in-house. In 2015, we launched the world’s largest air-cooled turbo compressor, SA3100. In 2014, we won a vendor approval for API617 and API672 for both high duty and high duty compressors for LNG carriers.

After the establishment of a new corporation in April 2017, our year-end sales exceeded ISO 777 million.
Established in 1965, Hanwha Chemical is a total solutions chemical company with streamlined production systems for polyethylene (PE), polypropylene (PP), and other chemicals. As South Korea’s leading petrochemical company, we dominate the national chemical industry with high-quality PE, CA, and linear low-density polyethylene (LLDPE) that we offer at competitive prices.

In 2012, we successfully commercialized high-density ethylene vinyl acetate (EVA) for the first time in South Korea. Just four years later, we located the production of chlorinated polyvinyl chloride (CPVC), enhancing the quality of our PVC. We obtained the New Technology Certification from the Korean Agency for Technology and Standards, and in 2017, we built a production line that could produce up to 10,000 tons of EVA annually. We partnered with the Institute of Science and Technology at Seoul National University and the Korea Advanced Institute of Science and Technology (KAIST) to establish joint research centers. It was a significant step toward enhancing quality and accelerating the pace of innovation.

Hanwha Chemical was the first South Korean petrochemical company to tap into new business opportunities in the Middle East. We signed joint venture contracts with International Polymers Advanced Cable Insulation Company, a private petrochemical company in Saudi Arabia, and Gulf Advanced Cable Insulation Company, a private petrochemical company in the Middle East. We signed joint venture contracts with International Polymers Advanced Cable Insulation Company, a private petrochemical company in Saudi Arabia, and Gulf Advanced Cable Insulation Company, a private petrochemical company in the Middle East. We signed joint venture contracts with International Polymers Advanced Cable Insulation Company, a private petrochemical company in Saudi Arabia, and Gulf Advanced Cable Insulation Company, a private petrochemical company in the Middle East. We signed joint venture contracts with International Polymers Advanced Cable Insulation Company, a private petrochemical company in Saudi Arabia, and Gulf Advanced Cable Insulation Company, a private petrochemical company in the Middle East.

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We continue to improve production efficiency and cost competitiveness while maintaining the growing demand for our products around the world. Our PVC plant, completed in 2011 in Ningbo city in China’s Zhejiang Province, was built to produce up to 90,000 tons of PVC annually. Today, with continuous improvements in the production process, the plant is producing 105,000 tons of PVC, with a yield in Bang Phli, Thailand, such an important base of operations as we enter other markets in Southeast Asia.

We have leveraged many years of our expertise and applied our PTA processing technology since 2010 in the Middle East. And since joining Hanwha Group, we have enhanced our cost competitiveness by creating synergies with chemical affiliates and diversifying our markets through innovative management and sales practices.

Hanwha Chemical was established in 1974 and then acquired by Hanwha Group in 2015. It was the first company in South Korea to localize the production of purified terephthalic acid (PTA), a primary component in many types of polymer. PTA is used in clothing, industrial fibers, films, and paint. The applications for PTA are expanding dramatically.

Today, our annual PTA production of two million tons makes us No. 1 in both production capacity and market share in South Korea. Our experience worldwide. We have leveraged many years of our expertise and applied our PTA processing technology since 2010 in the Middle East. And since joining Hanwha Group, we have enhanced our cost competitiveness by creating synergies with chemical affiliates and diversifying our markets through innovative management and sales practices.

Hanwha General Chemical was established in 1974 and then acquired by Hanwha Group in 2015. It was the first company in South Korea to localize the production of purified terephthalic acid (PTA), a primary component in many types of polymer. PTA is used in clothing, industrial fibers, films, and paint. The applications for PTA are expanding dramatically.

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In June 2017, we established Hanwha Solar Power to advance mid- to long-term growth beyond the single PV business. Established as a growth engine for our PV business, Hanwha Solar Power also contributes to South Korea’s efforts to develop renewable energy. We’re seeking to improve our PVA-related technologies and develop related businesses in the value chain we have grown over the last 40 years. And to be globally competitive, we’re making strategic investments and operating PV businesses not just at home but also abroad.

PTA is the primary raw material for polyester and is widely used in PET resin, bottles, films, paint, and industrial materials.

**Hanwha Chemical**

- Technology: New Technology Certification
- Capacity: 10,000 tons of EVA annually
- Partnerships: KAIST, Institute of Science and Technology, Seoul National University

**Hanwha General Chemical**

- Technology: New Technology Certification
- Capacity: 2 million tons of PTA annually
- Partnerships: PTA processing technology since 2010 in the Middle East

**Hanwha Solar Power**

- Technology: Mid- to long-term growth
- Capacity: 4 million tons of PTA annually
- Partnerships: Strategic investments, global competitive

**Hanwha Group**

- Technology: New Technology Certification
- Capacity: 2 million tons of PTA annually
- Partnerships: PTA processing technology since 2010 in the Middle East
Since its founding in 1988, Hanwha Total Petrochemical has led the growth of the petrochemical business in South Korea through technology innovations and market expansion strategy. In 2001, Hanwha Total Petrochemical set out to build a foundation to become a global chemical and energy company. The company executed its plan by forming a joint venture with the Total Group, a major French company in the energy and chemical industry. Since then, and after becoming a Hanwha affiliate, Hanwha Total Petrochemical has achieved a record-breaking financial performance.

The product portfolio of Hanwha Total Petrochemical includes basic chemicals such as ethylene, propylene, and butadiene. Hanwha Total Petrochemical also produces base chemicals like styrene monomer, paraxylene, and ethylene glycol. With 18 plant units in the Daesan Petrochemical Complex, the company is able to produce a wide range of product needed for energy such as gasoline, diesel, jet fuel, and liquefied petroleum gas to polymers that are used in feedstock materials such as polyethylene and polypropylene.

We are the only company in South Korea that operates a naphtha-cracking center (a core facility in our petrochemical plant), a condensate fractionation unit (a refining facility), and an aromatics plant all in one single complex. This complex represents a successfully organized vertical system—from sourcing to producing to distributing the final products. The efficiency we’ve achieved with this system allows us to diversify our business portfolio and pursue stable growth. In 2015, after registering our refining business with the South Korean Ministry of Trade, Industry & Energy (MOTIE), we began as a full-fledged energy and chemical industry. Since then, and through product specialization, facility expansion, and business focus, we’ve become a world-class petrochemical company.

Thanks to a high level of technology, truly making our workforce a key differentiator. Additionally, our professional and highly skilled employees effectively combine industry expertise with cutting-edge technology, truly making our workforce a key differentiator.

Supported by a steady flow of investments, product specialization, feedstock expansion, and business focus, we’re becoming a leading Naphtha Cracking Center (NCC) company in South Korea. And as we continue efforts to improve our capabilities, we will very well become a world-class petrochemical company.

Hanwha Total Petrochemical
www.hanwha-total.com

EXPERTISE
Ethylene, propylene, HD, LD, PE, EVA, PP, gasoline, diesel, jet fuel, LPG, solvent

2017 Total Assets
8,559
In USD millions

2017 Total Sales
4,789
In USD millions

2017 Total Sales
4,789
In USD millions

2017 Total Assets
8,559
In USD millions

8,559
In USD millions
2017 Total Sales
4,789
In USD millions

HANIGN
www.hanign.co.kr

EXPERTISE
Petrochemical

2017 Total Sales
4,789
In USD millions

2017 Total Assets
2,395
In USD millions

YECHUN NCC
www.yncc.co.kr

EXPERTISE
Petrochemical feedstock production

2017 Total Sales
4,789
In USD millions

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4,789
In USD millions

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4,789
In USD millions

HANIGN is the leading producer of EVA in the world, and the global leader in terms of market share.
They have captured the highest market shares globally, in their respective categories. We are a major supplier to global automakers including Hyundai, Kia, BMW, Daimler, Volkswagen, GM, Ford, and Toyota. As a global supplier, we have manufacturing facilities in Alabama and Virginia in the US, Beijing, Shanghai, and Chongqing in China, the Czech Republic and Germany in Europe, and in Mexico where the largest number of cars are produced for North America. By relying on lightweight, cost-effective, high-performance coating films for mobile phones and displays, we have also developed local production plants and R&D centers in South Korea, the US, Europe, and China. Our global sales continue to rise.

Since entering the automotive materials business in 1986, we have launched a diverse portfolio of products for automotive structures and interiors. We now leverage original technologies to build on our foundational, super-lightweight materials and parts, continuously expanding the materials we produce. Strong—Glass Reinforced Thermoplastic (GRT) and Supercap—Light-Weight Reinforced Thermoplastic (LiRT).

Hanwha Q CELLS is the world’s leading producer of solar cells and modules. Our current production networks span across China, Malaysia, and South Korea, bolstered by strong revenue and driven to stay ahead of the growing worldwide demand. We’ve continued to invest in R&D and manufacturing innovators. Our Malaysia plant was able to produce more than 15GW of Q-Cells in 2019 with the world’s most efficient cells annually in 2019, the first of its kind in the industry. To further accelerate our entry into the US market, we expect to complete a 1GW capacity module manufacturing facility in the state of Georgia by Q1 2019. Our Q-Cells technology is based on our differentiated technology innovation. The latest Q-Cells module (Q.PUS), the Modular Manufacturing Innovation award at the Solar Industry Awards 2015 1

Hanwha Q CELLS’s total solar power solution provider for overseas markets. Our business scope ranges from the mainstream of cells and modules to downstream solar solutions for residential, commercial buildings, and solar power plants. Since our foray into the solar energy business in 2010, Hanwha Q CELLS has transformed Hanwha Q CELLS into the world’s leading provider of solar cells and modules. Our current production networks span across China, Malaysia, and South Korea, bolstered by strong revenue and driven to stay ahead of the growing worldwide demand. We’ve continued to invest in R&D and manufacturing innovators. Our Malaysia plant was able to produce more than 15GW of Q-Cells in 2019 with the world’s most efficient cells annually in 2019, the first of its kind in the industry. To further accelerate our entry into the US market, we expect to complete a 1GW capacity module manufacturing facility in the state of Georgia by Q1 2019. Our Q-Cells technology is based on our differentiated technology innovation. The latest Q-Cells module (Q.PUS), the Modular Manufacturing Innovation award at the Solar Industry Awards 2015

Hanwha Q CELLS is the world’s largest market share for StrongLite, a leading global provider of lightweight composite materials for the automotive market, as represented by smart car and electric vehicle. We are actively tracking paradigm shifts in the automotive market. While leaning up with the rapidly expanding lightweight composite materials market for auto parts.

As a global supplier to global automakers including Hyundai, Kia, BMW, Daimler, Volkswagen, GM, Ford, and Toyota. We are a major supplier to global automakers including Hyundai, Kia, BMW, Daimler, Volkswagen, GM, Ford, and Toyota. As a global supplier, we have manufacturing facilities in Alabama and Virginia in the US, Beijing, Shanghai, and Chongqing in China, the Czech Republic and Germany in Europe, and in Mexico where the largest number of cars are produced for North America. By relying on lightweight, cost-effective, high-performance coating films for mobile phones and displays, we have also developed local production plants and R&D centers in South Korea, the US, Europe, and China. Our global sales continue to rise.

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Hanwha Energy

Hanwha Energy is a comprehensive clean energy solutions company. The company operates in South Korea, providing renewable energy solutions for industrial complexes in South Korea. Hanwha Energy has been recognized as a top global company and gained international recognition due to its cutting-edge technology and efficient operations.

Hanwha Engineering & Construction

Hanwha E&C has quickly grown into a global player by leveraging its extensive experience in construction projects and by implementing new technologies and long-term expertise across industrial, chemical, and power plants, and engineering works, commercial buildings, and more. The company has averaged annual growth rate of 10 percent since 2002, and gained international recognition. Hanwha E&C has been recognized as a top global contractor in Engineering News Record, and its works are often referred to as the "bible of the construction industry." Hanwha E&C has been responsible for the nation's largest urban development project that has included the construction of homes for more than 100,000 households at 70 sites. We led the industry by pioneering advances in large-scale oil refinery, petrochemical plants, and industrial complexes.

Hanwha E&C's business reputation is derived in building projects. As a result, our O&M services help to ensure stable profits for our customer's assets through improved performance, maximum productivity, and efficiency. As a result, our O&M business has become one of the main pillars of our renewable energy business.

In addition, we are expanding on our energy system solutions with our smart energy business model. In December 2017, we built a 1GW solar energy connected to Energy Storage System (ESS) in Saemangeum, South Korea. We are using ESS to take advantage of the discount on the retail electricity rate and achieve peak savings at factories and buildings in South Korea. Going forward, we plan to implement our energy solutions for distributed energy sources, such as ESS and microgrids in other countries, including Japan, the US, and Europe.

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Hanwha Energy is a comprehensive clean energy solutions company. The company operates in South Korea, providing renewable energy solutions for industrial complexes in South Korea. Hanwha Energy has been recognized as a top global company and gained international recognition due to its cutting-edge technology and efficient operations.

Hanwha E&C has quickly grown into a global player by leveraging its extensive experience in construction projects and by implementing new technologies and long-term expertise across industrial, chemical, and power plants, and engineering works, commercial buildings, and more. The company has averaged annual growth rate of 10 percent since 2002, and gained international recognition. Hanwha E&C has been recognized as a top global contractor in Engineering News Record, and its works are often referred to as the "bible of the construction industry." Hanwha E&C has been responsible for the nation's largest urban development project that has included the construction of homes for more than 100,000 households at 70 sites. We led the industry by pioneering advances in large-scale oil refinery, petrochemical plants, and industrial complexes.

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Our Gyeonggi Hwaseong Bio Valley industrial complex will provide an optimal business environment for cutting-edge tech companies.

Encouraged by these achievements, we’ve made further investments for the future, breaking ground on the Yongin Techno Valley project in 2015. There is high anticipation Yongin Techno Valley will be an industrial complex that will be home to many R&D centers, companies, and startups in E-Science technology and in other areas of technology. When completed in 2020, the industrial complex is expected to play an important role as the center of the industrial belt south of Seoul.

We’re also building for the future of our local economies. The Siheung Recycling Industrial Complex will help revitalize the local economy by improving industrial environments, attracting businesses, and creating local jobs.

Hanwha City Development has been recognized as the leading private developer of high-tech industrial complexes since its establishment in 2001. Starting with success in Daedeok Techno Valley, additional projects followed such as the Ansan Techno Valley project (596,000m², 200 enterprises, 3000 households), the Gimhae Techno Valley project (1,345,000m², 200 enterprises), and the Gyeonggi Hwaseong Bio Valley project (1,745,000m², 200 enterprises).

Each completed project stood out as an achievement and garnered high praise. The projects are considered exemplary development models and not surprisingly, they have been benchmarked by several local governments.

Figures above represent total sales and assets of the five subsidiaries.

Hanwha Life
Hanwha General Insurance
Hanwha Investment & Securities
Hanwha Asset Management
Hanwha Savings Bank

Finance
Hanwha Life
www.hanwha-life.com

EXPERTISE
Life insurance, mortgage and personal loans, trust, fund, retirement pension

2017 Total Sales in USD millions
15,113

2017 Total Assets in USD millions
102,962

Established in 1946, Hanwha Life is a leading life insurance company that is both the first and the oldest in South Korea. Early on, we played a crucial role in developing the insurance industry and the country's economic growth. In 2017, we expanded our offering to the life stages. Using Big Data to capture and analyse customer needs, behaviors, interests, and patterns, we innovated and systematically applied this knowledge to better customer satisfaction and yield our customers. At the end of 2017, we've improved our call centers, training our customer service professionals to be readily available and deliver better customer care.

Hanwha Life leads the industry with innovative products and services committed to adding new services that meet a wide range of customer needs, including retirement and health insurance. Since we introduced an exclusive home-secure program—the insurance industry's equivalent of a patent—we have gained 15 exclusive user rights for our original insurance policies, an industry high. We also innovate to improve our interactions with our customers and their overall experiences. Before, during and after the purchase of our products and services, it begins with customer-centric marketing and selling with the customers in mind—by aligning our offerings to their life stages. Using Big Data to capture and analyse customer needs, behaviors, interests, and patterns, we innovated and systematically applied this knowledge to better customer satisfaction and yield our customers. At the end of 2017, we've improved our call centers, training our customer service professionals to be readily available and deliver better customer care.

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2017 Total Sales in USD millions
13,892

Hanwha General Insurance
www.hanwha-generic.com

EXPERTISE
Long-term insurance, automobile insurance, general insurance, mortgages, personal loans

2017 Total Sales in USD millions
6,125

2017 Total Assets in USD millions
12,016

Hanwha General Insurance is the first South Korean insurance company founded solely by domestic capital. Throughout history, we've played a pivotal role in developing South Korea's general insurance industry. Today, we're a major insurer with total assets of nearly USD 14 billion. We use advanced services to enhance customer value and offer a comprehensive product portfolio ranging from long-term insurance to auto and general insurance. We're committed to providing improved service quality, and minimized customer inconvenience to provide an overall superior customer experience. We also expanded the scope of our call center centers, in addition to the first call center centers, in addition to the first call center center. Since our first certification in 2007, the Korea Fair Trade Commission has awarded us the first call center center. Since our first certification in 2007, the Korea Fair Trade Commission has awarded us the first call center center. Since our first certification in 2007, the Korea Fair Trade Commission has awarded us the first call center center. Since our first certification in 2007, the Korea Fair Trade Commission has awarded us the first call center center.

Our efforts to improve customer service have been recognized with the top three service quality awards by the South Korean government organizations: CCM certificate, Call Center Service RS Certificate, and the Certificate of Excellent Service Quality. Our company is on an upward trajectory, building a world-class management structure, improving long-term insurance business, expanding the compensation processes, and increasing high yield, higher value-added contracts. We're posting healthy financial growth by seeking stable overseas and alternative investments. As a result, we have been recognized for financial stability and growth potential, earning an A- and an AA rating from the international market in Asian countries like China and Vietnam. In 2018, Hanwha Life continues to secure profitable structures that support value-based sales and advanced asset management. We plan to expand our global business and secure growth engines in FinTech and Fintech Data. We push for innovation and with each success, we're committed to continue the drive and to operate as a world-class life insurance company.
Established in 1962, Hanwha Investment & Securities provides comprehensive asset management services, including brokerage and acquisition of stocks, bonds, and derivatives, as well as sales and asset management services for various financial products. With our differentiated systems and high-quality talent, we have successfully established ourselves as a reliable asset management partner. Our financial products and customer-oriented services are offered domestically and overseas.

In the ever-changing capital market, we’re grounded by our company policy to listen to our employees, our customers, and to continuously encourage innovation within the organization. We differentiate our services by putting customers first and building customer trust.

We have established a stable and diversified profit structure with our business portfolios in investment banking, trading, wealth management, and institutional investors. To be able to readily respond to the rapidly changing digital financial environment, we developed unique ways to ensure simple and more convenient investment experiences for our clients. Our expert-to-expert application (STIPS) present essential information that is beneficial to starting and experienced or inexperienced investors. We have improved even the intuitive features of our mobile trading system and continue to upgrade others based on customer feedback.

Hanwha Investment & Securities continues to develop its digital financial platform so it can provide differentiated products and services. Our business motto is “To grow together” with our clients, shareholders, and employees with sustainable products that yield sustainable profits. As a trusted and financially stable company with expertise in a range of industries, we are confident we can build a happier future for our customers.

Hanwha Asset Management has grown into a comprehensive asset management company offering a full range of financial instruments, including stocks, bonds, MMFs, fund of funds, real estate, ETFs, and HFI in both domestic and overseas capital markets. At the end of 2017, we were among South Korea’s top three asset management companies with USD 81.7 billion in assets under management (AUM). We have top-tier expertise and well-organized systems in all areas, including product development, research, compliance, and risk management. All of our products and services cater to the needs of our customers because we apply our principles and management philosophy to placing our customers first before anything else.

Hanwha Asset Management is widely recognized for its innovative solutions and disciplined approach to asset management. With them, Hanwha Asset Management’s mid- and long-term plan is to become the best asset management company in Asia.

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Hanwha Savings Bank
www.hanwhasbank.com

EXPERTISE
Deposits, commercial and personal loans

2017 Total Sales
In USD millions
38

2017 Total Assets
In USD millions
638

Founded in 1997, Hanwha Savings Bank joined Hanwha Group in 2008 and has since grown into one of the most stable savings banks in the industry. Even in unfavorable business climates, we’ve been able to safely pursue external growth with our experienced sales teams and a highly disciplined management team. We also found success extending the fundamental roles of microfinance institutions and supporting small and medium-sized companies with great potential.

Today we are a sound savings bank whose continued growth is backed by the confidence of our customers. We constantly strive to benefit both our clients and the society by developing products that serve their interests. Our risk management system enables us to perform faithfully by providing individual and business clients with top-quality financial products and services.

Services & Leisure
Hanwha Hotels & Resorts
Hanwha Galleria
Hanwha Galleria Timesworld
Hanwha 63 City
Hanwha Station Development

Hanwha Savings Bank is a stable financial institution that has earned its customers’ trust over the years with its top-quality sales teams, financial products, and disciplined management.
HanaTour Hotels & Resorts began operations in 1979 as the developer of South Korea’s first resort condominium project. It continued to expand throughout the 1980s. With resort, hotel, and food service businesses, we are rapidly becoming South Korea’s premier leisure and food service provider.

Our Resorts Division owns South Korea’s largest condominium chain, including the Ocean Palace Golf Club & Resort in Haeundae, which boasts over 4,800 guest rooms across 12 properties. In Japan and South Korea, we own and operate premium golf courses totaling 126 holes. Our partners include Resort Condominiums International (RCI), a worldwide membership network; Private Condominiums International (PCII), a worldwide membership network; and Leader in Food Material Supply (LFS), which provides benefits for hotels and resorts in Southeast Asia, and the Golden Horse Hotel and Mines Wellness Hotel in Malaysia.

We also operate Seoksa Waterpia, Forest Aqua Village in Geojang, Jeju Therapy Center, Royal Saddle Equestrian Society, and Jade Garden in Chuncheon—all wellness tourism facilities, and the array of other companies in the industry. In addition, we operate E5 Square on the Han River, which offers high-quality services and attractions, including a museum and an elaborate aquarium.

With our expertise and technology developed from the E5 Sea World, the first aquarium in South Korea, we built the Sea-Walik Aquarium in North Korea, which boasts over 4,800 guest rooms across 12 properties. In Japan and South Korea, we own and operate premium golf courses totaling 126 holes. With Golf Tourism International (GTS), a worldwide membership network; Private Label, which provides benefits for hotels and resorts in Southeast Asia, and the Golden Horse Hotel and Mines Wellness Hotel in Malaysia.

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HanaTour Hotels & Resorts has specialized in retail distribution with great focus on department stores. It operates other retail businesses, including online malls, global brand direct sourcing, and the retail of exclusive brands.

Currently, we have five stores (including the store of HanaTour Hotels & Resorts’ TIMEWORLD), a subsidiary of HanaGalleria across South Korea. In major cities of Seoul, Suwon, Daejeon, and Inju. Our Galleria Luxury Hall in Seoul, Suwon, Daejeon, and Inju is the flagship landmark. Galleria Luxury Hall in Suwon is South Korea’s premier department store, featuring the world’s leading luxury brands. The Luxury Hall East offers high-end luxury brands with unique values, while the other side of the building, the Luxury Hall West, showcases global fashion brands, fine dining, and premium services.

Together, the Galleria department stores offer an unparalleled suite of upscale shopping experiences. They carry distinctive brands and follow local fashion trends while also offering a food culture that is sure to satisfy every discerning taste. Individually, each department store offers its own differentiated experiences tailored to the needs of local customer segments. Each store also maintains a solid No. 1 position among department stores in the region.

In 2020, we will open our 6th Galleria department store in Goyang, Suwon, as part of our department store business expansion to meet growing demands. By relying on our rich experience and capabilities in operating luxury department stores, the Goyang store will attract customers by featuring favorite fashion brands and enhanced convenient services. As a growth engine for HanaTour Hotels & Resorts, the Goyang store is slated to become the flagship landmark in Gyeonggi-do, along with a convention center, hotel, and mall/park building in the luxury complex.

Our vision is to be the No. 1 premium contents producer. To this end, HanaTour Hotels & Resorts will offer unparalleled value that no other retailer can provide.

We have already begun by enhancing our merchandising with better lifestyle products and offering more services dedicated to VIP customers. Our department store division is stockpiling the best high-end brands, Galleria-only brands and making them available in exclusive stores and environments. Our customers have come to expect. And going forward, we’ll look more to sustainable business models for the rapidly changing landscape.

Our goal is to deliver the highest-quality service in the industry. Going digital is one path we’re taking; the other is continuing our investment in our current business with renovations and new store openings. This way, as we pursue our vision, we’ll continue our constant growth streak.

HanaTour Galleria
www.hanagalleria.co.kr

EXPERTISE
Retail, leisure, food services

2017 Total Sales
In USD millions
964

2017 Total Assets
In USD millions
2,207

HanaGalleria

820-173-4447

Galleria Luxury Hall’s luxury brands, global leading fashion brands, fine dining, and premium services are all part of our vision to create the next generation of fancy malls that cater to the upscale and refined shopping experience.

Seoksa Sonae combines the beautiful natural scenery of East Sea with a ‘top-grade’ Mount Seoksa, where guests can appreciate a soothing and relaxing experience. Guests can enjoy leisure facilities such as Seoksa Waterpia, Seoksa Cleawater, Film Lot, and Plaza E5 Seoksa.

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Hanuha Galleria Timeworld, a subsidiary of Hanuha Galleria, primarily oversees department stores in the city of Daejeon and duty-free shops in Seoul.

Hanuha Timeworld is itself also the largest high-end department store in central South Korea. It is located in the metropolitan area of Daejeon city, where public institutions, financial companies, and large apartment complexes are concentrated.

Timeworld is itself also the largest high-end department store in central South Korea. It is located in the metropolitan area of Daejeon city, where public institutions, financial companies, and large apartment complexes are concentrated.

Marshalls personnel are individuals who work in Marshalls stores. They are responsible for the day-to-day operations of the stores and ensure that customers have a pleasant shopping experience. Marshalls personnel are often involved in many aspects of store operations.

Specializes in luxury fashion brands from around the world and it was the first of its kind in the region to feature brands such as Louis Vuitton, Gucci, and Prada. We’ve cemented our status as the premier high-end shopping destination in Daejeon, one of the largest cities in South Korea.

We’ve subdivided an expansive area for home living & décor shopping, experiencing culture, entertainment, and a maze of International gourmet restaurants to satisfy the interests and tastes of anyone young and old. We’re moving beyond local destinations to become major destination points that serve the nation’s desire for luxurious experiences for the discerning taste. We do this with exceptional customer service and customer segmented marketing practices.

Galleria Duty Free is located inside the E Building in Seoul, a key area for both business and tourists located in the southeast region of Seoul. Since opening the store in December 2015, we have carried customers’ favorite brands such as Gucci, Yves Saint Laurent, Gafano Ricc, and Chanel.

Galleria Duty Free is conveniently located next to a variety of tourist attractions including Aqua Planet 61 and 62. And because they’re all located within the E Building, customers are treated to a combination of wonderful entertainment and exclusive shopping experience by attracting visitors and diverse customer groups seeking everything from restaurants to aqua parks in one location.

Hanuha 63 City was founded in 1986 as a real estate service firm, providing a comprehensive set of services designed to increase the value of client assets. We have developed expertise we built over the years from managing skyscrapers and providing property management services that maximize real estate values. Our leasing services use a scientific database and we provide focused investment advising that helps our clients make better decisions on their properties. Managing the landmark E Building has sharpened our skills in property management and deepened our expertise in technical facilities, machinery, equipment, disaster prevention, firefighting, communications facilities, building maintenance, and security. Our comprehensive technical services include completed construction site inspections, safety audits, functional checks of firefighting facilities, and interior design.

Hanuha 63 City has partnered with Hanuha Estate—a spin-off of Hanuha Group Hanuha 63 City is offering renewable energy and construction/security solutions that leverage its expertise in renewable energy and integrated security systems.

Hanuha 63 City has also taken advantage of its nationwide network and solid business portfolio to steadily increase its claims real estate management. Hanuha 63 City will continue to work with Hanuha Estate to innovate and assist customers as South Korea’s No. 1. expert in comprehensive real estate services.

Located inside the E Building, a landmark of Seoul city and located alongside the Han River, Galleria Duty Free has transformed the experience for both travel and high-end luxury shopping. Hanuha 63 City offers service in security, energy, machinery equipment, and the firefighting expertise gained from years of building and managing skyscrapers.

Hanuha 63 City has increased the value of client real estate asset management by offering its own comprehensive management services. Hanuha 63 City offers services in security, energy, machinery equipment, and the firefighting expertise gained from years of building and managing skyscrapers.
Located in the northeastern part of Seoul, Cheongnyangni Station is a nine-story complex with more than 177,793 square meters of space, including three underground levels. With a department store, an outlet mall, a theater, and restaurants, it is driving economic growth for the community around it.

Hanwha Station Development is our nation’s premier developer and manager of railway stations. Since its founding in 1987, we have pioneered retail and leisure culture by combining commercial complexes with private stations. We developed building complexes in the centrally located Seoul Station and the Cheongnyangni Station, logistics hubs in the northeastern part of Seoul. By leveraging our expertise and capabilities in business assessment, concept development, project financing, lease marketing, construction management, and facility operation, we are fast becoming an industry-leading developer and manager of commercial complexes.
Corporate Social Responsibility
Hanwha solar modules donated to the World Economic Forum in Davos

Having installed a total of 640 solar modules on a 1,000-square-meter roof on the World Economic Forum Congress Center in Davos, Hanwha Q CELLS will be able to reduce 20 tons of CO2 emissions per year. Having installed a total of 640 solar modules on a 1,000-square-meter roof on the World Economic Forum Congress Center in Davos, Hanwha Q CELLS will be able to reduce 20 tons of CO2 emissions per year. Hanwha solar modules donated to the World Economic Forum Congress Center in Davos

Hanwha Solar Forest
Hanwha Q CELLS donated photovoltaic modules to the City of Davos at the annual World Economic Forum. The solar panels donated by Hanwha Q CELLS have a capacity of 500kW. The amount of energy is enough to reduce 20 tons of CO2 emissions per year. Our donation demonstrates that the possibility of clean, sustainable energy is a reality.

Hanwha Q CELLS has donated solar modules to the World Economic Forum Congress Center in Davos. This is the first time solar energy used to prevent desertification. The United Nations Convention for the Prevention of Desertification (UNCCD) has praised it as a best practice, urging others to follow. Solar Panels Donated to Davos

The World Economic Forum, held annually in Davos, Switzerland, addresses pressing issues facing the world, such as environmental sustainability. Since 2012, we have donated photovoltaic modules to the City of Davos at the annual World Economic Forum. The solar modules donated by Hanwha Q CELLS have a capacity of 500kW. This amount of energy is enough to reduce 20 tons of CO2 emissions per year. Our donation demonstrates that the possibility of clean, sustainable energy is a reality.

As a world-class solar energy business, our mission is to achieve sustainable growth, our goal is to serve as a social responsibility. This is why we educate children through eco-friendly programs, and people to join the energy revolution through activities that counteract climate change and help the environment. From installing entire solar power generation systems to make communities energy-efficient to building solar forests to fight deforestation, we are not only using solar energy, we’re making a difference.

Happy Sunshine Campaign
Hanwha is pioneering the use of sustainable energy in communities by leveraging expertise gained from our world-class solar energy technology and quality. Our best-known program is Happy Sunshine, a project where we donated solar power generation systems to welfare facilities and donated solar power generation systems to welfare facilities and donated solar power generation systems to welfare facilities and donated solar power generation systems to welfare facilities. We also operate Happy Forest Project, where we donated solar power generation systems to elementary schools in underserved areas in China. We continue to run solar education programs for kids in local communities. We’re spreading awareness, showing the need for eco-friendly energy, and teaching the principles of photovoltaic power generation.

Hanwha Solar Forest
Hanwha Q CELLS created the Hanwha Solar Forest mobile game with Tree Planet, a UNCCD-certified game company. When users plant virtual trees, one in turn, plant real trees. Since 2011, the Hanwha Solar Forest campaign in collaboration with the UN Convention to Combat Desertification has planted 500,000 trees across seven locations in South Korea, Mongolia, and China to combat desertification and raise awareness of climate change. Our three forests in China utilized seedlings grown by solar energy facilities and donated by Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanwha Hanw
Since the Hanwha Social Responsibility Center was founded in 2007 to commemorate the company’s 50th anniversary, Hanwha has called upon each affiliate company to participate by sending volunteer teams for various social activities. We also make great efforts to nurture the talents of our future leaders.

**Employee Volunteers**

Hanwha partners with KAIST to jointly host a science camp to nurture future scientists. The Bugil Foundation, to develop students who could one day become scientists, has called upon each affiliate company to participate by sending volunteer teams for various social activities. We also make great efforts to nurture the talents of our future leaders.

Supporting Young Leaders of the Future

Hanwha believes that fostering talents will ultimately contribute to society. In 2011, we began sponsoring the Hanwha Science Challenge, a high-school science competition aimed at discovering talent in science and nurturing potential Nobel Prize candidates. And as a way to expand on this program, we established the prestigious private school, Bugil Foundation, to develop students who could one day become scientists. Since 2016, we have hosted Hanwha KAIST Science Outreach Program, a science education program for middle school students in the Daejeon area. Hanwha Arts Plus supports artistic skills and creativity in youth. Our employees provide various cultural and arts education opportunities, including gayageum (a zither-like string instrument) and samulnori (a genre of percussion music). In 2014, we began operating DreamPlus, a program to discover and support promising startups. We are making dreams come true for future leaders by helping them to finance, create, and grow startups.

Caring Employee Volunteers

Hanwha actively engages in social contributions with the help of its employees. One of our flagship programs is an enterprise-wide program designed to provide educational opportunities for low-income and physically challenged children. Since its launch in 2003, this innovative program has supported study rooms and special education classes for children of all abilities and challenges. We’ve also provided art programs for disadvantaged children. We support experiential educational activities in every industry. We help those who are neglected and those whose environments have been compromised. Every October, as part of celebrating Hanwha’s founding, all affiliates participate in volunteer services for the disadvantaged. Our work for people in need reminds us and keeps us committed to our philosophy to do good for all and for always.

**Protecting the Environment and Addressing Climate Change**

In 1991, through the ECIS 2000 campaign, Hanwha became the first South Korean company to complement environmental management. We announced our Environmental Safety and Health Policy in 2000 and have since implemented sustainable management practices for environmental, safety, health, energy, and greenhouse gases. We also created a master plan to set performance index targets for 2020 for environmental performance and safety. The plan included the reduction of greenhouse gases, increasing energy productivity, and improving OIR (Loss Time Injury Rate). We are reducing greenhouse gas emissions and waste by promoting safety and creating safe work environments. Our commitment to helping the environment is part of our corporate culture. Along with regular safety leadership training for executives, the Hanwha Eco Institute, Hanwha headquarter, and individual business jointly adhere to a strict set of rules and safety policies. This system monitors the safety status of every plant and raises safety awareness of every employee. We also actively work to prevent accidents by employing management practices and industry-leading reductions for occupational safety.

Environmental and Safety Responsibility

Hanwha operates DreamPlus, a program to discover and support promising startups. We are making dreams come true for future leaders by helping them to finance, create, and grow startups.

Hanwha supports a sustainable future by proactively responding to a changing global energy paradigm and by building a corporate culture that embraces environmental protection and safety. We are expanding new and renewable energy businesses centered on solar energy. In response to climate change, we strive to reduce environmental impact with low-carbon energy sources in all areas of our business.

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WINNING PARTNERSHIPS

Hankyu believes our partners are also part of our family. For small and medium-sized business partners, we help create self-reliant environments and encourage good management over them. We support our partners to build a foundation for growth and independence.

Building an eco-friendly energy self-sufficient project on South Korea’s Jukdo Island

In collaboration with Chungcheongnam-do, Hankyu transformed Jukdo Island to become an energy self-sufficient island.

Commitment to Mutual Growth

Since 2009, Hankyu has fostered collaborative partnerships with over 1,500 small and medium-sized enterprises. We helped them grow their businesses by strengthening their core competencies, supporting their financial needs, and guiding them to engage in fair trade practices. In 2011, we promoted mutual growth with our partners instead of competing with them. Since then, we have created an annual co-prosperity fund of USD 121 million and earmarked a specific program to help our partners.

Building Winning Partnerships

Leveraging our spirit of “trust and loyalty,” Hankyu helps suppliers in mutual areas to sell their products at our department stores and duty-free shops. For example, when we find hidden high-value-added agro-fishery products that at the same time increase the local economy, we stock them in our retail stores. Also, using our micro-grid business, solar energy-linked ESS (Energy Storage System) technology, we transformed Jukdo Island into an energy self-sufficient island, reducing energy costs and helping tourism.

Invigorating the Regional Economy

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HUMAN RESOURCES

Hankyu pursues a future-oriented organizational culture that continuously innovates while overcoming challenges. To this end, we recruit talented people from all over the world and sponsor programs that help employees grow into global talents. Young Hankyu is a program that fosters the effort, helping us to move forward and build on the passion that is a part of our foundation.

Growing Hankyu with global talent

Together, Hankyu worldview talent in building Young Hankyu.

Sharing Values

Hankyu strives to hire creative individuals who are driven to innovate. We seek people who pursue excellence and will be loyal to our customers, colleagues, and company values. We seek people who work hard to achieve their goals and understand the importance of supporting a greater cause. We develop global talent with professionalism and by providing a range of training programs for specific jobs and positions.

Cultivating Global Leaders

Hankyu continues to invest in talent. Our global talent program nurtures employees with potential and interests in global business. In our regional specialist program, we send associate and junior managers all over the world to become local experts by experiencing the business and culture of those countries. We also operate a special program to select and develop executive talent to lead Hankyu’s future and growth. We recruit talent and potential CEO candidates and sponsor their educations in the world’s best MBA, EMBA, and Sloan Fellows Programs. We also provide opportunities to earn master’s or doctoral degrees in STEM Science, Technology, Engineering, and Math and assign graduates to work with our R&D staff.

Promoting Work-Life Balance

Hankyu’s company-wide work-life balance policies are designed to improve employee quality of life. Our efforts have received broad recognition. We’re listed as one of South Korea’s 100 best places to work, and as a family-friendly and gender-equality driven company. When we commemorated our 64th anniversary in 2016, we announced the Young Hankyu program and introduced corporate culture initiatives like getting a one-month sabbatical when promoted, flexible work shifts, and support for career development. These initiatives are all contributing to the foundation that will ultimately help Hankyu become a global top-tier company.

• Agreements on fair trade and mutual growth
• Go-properly fund
• Private equity fund for mutual growth
• Ongoing meetings with partner companies
• Energy self-sufficiency project on South Korea’s Jukdo Island

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We have maintained trusted partnerships that have lasted more than 60 years. Together, we have collaborated, invested, and built across markets in almost every continent. Together, we have grown. Hanwha has 70 affiliates in South Korea alone and 325 networks beyond today’s interconnected global environment. Hanwha will continue to grow beyond today’s interconnected global business environment. This is Hanwha Group.