“We listen and engage our end users to envision the solution our customers trust us to build.”

Seung Yul Kim
At Hanwha, we continue to grow by building on trust and loyalty—the basis of our relationship with customers. At the same time, we’re staying committed to our vision to improve the quality of life for everyone whose lives we touch. We’re doing both to provide our customers with the highest possible value while building sustainable returns for our partners.

Our businesses in advanced chemicals, sustainable energy, aerospace, and financial services have been providing practical solutions to real-world challenges. In 2016, both our solutions along with the results of our investments in future businesses and advanced infrastructure have led to record revenues of more than USD 53.89 billion and resulted in more than USD 150.25 billion in assets. We also rose 50 places higher on the Fortune Global 500 Company list and still stayed highly competitive in every industry. Our success can be attributed to our strategic response to rapid changes in customer needs, markets and industries. So when we saw change, we changed. We innovated and pivoted to develop differentiated solutions that were one step ahead. Hence, the results last year have been unprecedented.

In 2016, Hanwha’s chemical sector has developed environmentally friendly plasticizers and supplied parts for electric vehicles to GM. We improved economies of scale and became even more cost-competitive at our EVA production facility that is No. 1 in the world. And our lightweight composite materials for automobiles now hold 70 percent of the global market share.
We will continue our investments in energy, Fintech-based businesses, and the next industrial revolution. We will seamlessly connect people, digital networks, and machines across all disciplines, economies, and environments.

We will execute our strategies to pursue overseas market expansions with localization strategies and our competitiveness. We're not only expanding into key emerging markets but also growing in them as the leader.

The world is now in a state of uncertainty—changes are accelerated by technology and environmental changes are alarming. Our businesses are prepared to weather these challenges and even excel, despite them. And as we do, we won’t lose sight of our responsibilities as corporate citizens. Most recently, we’ve provided free solar energy to social welfare, education, and public facilities in South Korea, China, the US, and Europe. We also provided a student educational program to help young people understand the environment and become ecologically sensitive. We are now installing dynamic energy capabilities on every continent and socially contributing to the culture and the arts. Worldwide, wherever our businesses are, we are investing in the communities around them and boosting their local economies.

We are working hard to seek stability and innovation today while taking on the challenges for growth tomorrow. Join us.

In sustainable energy, we’ve been meeting the challenges of climate change head-on by increasing renewable energy efficiencies and capabilities of core cell and module technologies. In the first quarter of 2018, we will have achieved the world’s largest 8GW cell production capacity, and have already been recognized by EuPD Research’s Top Brand PV Seal across three continents. And in the later part of 2016, Hanwha planted its sixth Solar Forest to combat deforestation in China.

In aerospace, we won supply contracts for aircraft engine parts for the second year, totaling more than USD 12 billion. We established a dedicated production line that leverages the industrial Internet to produce much higher product quality and manufacturing efficiency.

In financial services, Hanwha ranked first in size and second in new contract premiums among 15 overseas insurers in Zhejiang Province in 2016. In Korea, we completed an advanced customer management system that harnesses Big Data and AI efficiencies. And we participated in a $100 million Series A funding round of a world-renowned artificial intelligence startup.

These achievements in 2016 assures us of what we must do going forward.

Going forward, Hanwha businesses will focus on improving product quality and capacity with cutting-edge technology and environmentally friendly materials to reach the levels that will lead the global markets.

We will continue to meet the changing needs of customers globally and meet their growing demands. In today’s age of super-connectivity, diverse products and digital convergent solutions are necessities.

Chairman
Seung Youn Kim
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 SO YOU CAN FIND NEW APPLICATIONS.
Hanwha researchers are leaders in their fields and passionate about innovating and exploring new ways to produce petrochemicals and advanced materials so our customers can push the 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 20-25 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 Hanwha worldwide.
A Leader
In South Korea

Hanwha continues to maintain its leadership position in South Korea’s petrochemical sector with total sales of USD 16.37 billion.

ETHYLENE
No.1
In South Korea

With an ethylene production capacity of 3.04 million tons, Hanwha now ranks first in Korea and ninth worldwide in this important market.
EVA

No.1 Worldwide

Hanwha 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, Hanwha ranks No.1 in the domestic PTA market.

W & C Compound

World-Class Innovation

After acquiring W&C compound, an innovative polyethylene synthetic resin, for the South Korean market, Hanwha had, in effect, freed the South Korean manufacturers from their dependence on imported resins for power transmission and distribution cables.
Hanwha’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 thermoplastic) technologies.

Hanwha 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 SOME QUESTIONS YOU MAY HAVE AS WE LOOK TO THE FUTURE.
From here on earth to 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.

Leading in Innovation and Expertise
We are the only company in South Korea with advanced aircraft engine technology. And 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 & MECHATRONICS

Hanwha Corporation

Hanwha Aerospace & Mechatronics

Hanwha Corporation Machinery Division

Aerospace

- Flight control actuators
- Aircraft hydraulics systems and components
- Flight control actuators
- Aircraft hydraulics systems and components

Hanwha Precision Machinery

- Aerospace hydraulics systems: control valves, pumps, actuators, integrated management solutions, intelligent video analysis solutions
- Collaborative robots

Hanwha Power Systems

- Industrial air and gas compressor
- Gas turbine package
- Power generation system

Hanwha Corporation

- Explosives: Commercial explosives, mining services

Hanwha Corporation Machinery Division

- Automation equipment, engine/transmission assembly line
- Solar cell and module manufacturing equipment, heat treatment furnace
- CMM automatic loader, automation parts
Hanwha Techwin has secured aerospace contracts worth nearly USD 12 billion in the past two years 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 P&W NGPF Manufacturing Company Singapore Pte. Ltd. The plan is to manufacture hybrid metallic fan blade parts and high-pressure turbine disks for engines.
MACHINERY

Expertise Leads to Growth
With more than a half-century of experience in the global mechatronics industry, Hanwha continues to develop innovative technologies that help customers improve productivity and efficiency.

SECURITY

Innovative CCTV Solutions
Hanwha Techwin provides total security solutions that include world-class CCTVs, video recorders, and a wide range of security devices. We're also becoming a technology leader by building integrated network control systems that harness the latest advancements in Big Data and the Internet of Things.

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 solar industry worldwide. 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.

**Accelerating Energy Sustainability**

Hanwha has built an integrated solar value chain that includes the production of ingots, wafers, cells, and modules to downstream development, operations, and financing. We are also actively promoting solar energy business in Japan, Europe, the US, and emerging markets.
Hanwha 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. In addition, Q100-G2 modules were rated the No. 1 polycrystalline solar module using the 2013 and 2014 PHOTON module yield measurement test. In June 2017, Hanwha Q CELLS succeeded in mass-producing 1 billion (5GW) Q.ANTUM solar cells.

Hanwha Q CELLS is ranked among the best by installers, winning the Top Brand PV Seal 2017 from EuPD Research for the fourth time in a row in Europe and the second time in Australia. EuPD Research also ranked Hanwha Q CELLS as the top module manufacturer in the US for the first time in 2016.

Hanwha 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 the US company 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.
Hanwha offers a complete financial service platform with insurance, securities, asset management, and banking products. We create value for individual 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.
Seventy years after being established as South Korea’s first life insurance company, Hanwha Life has reached a new milestone with USD 82.7 billion (KRW 100 trillion) in total assets.
Fintech

Securing Future Growth

Hanwha 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.
Global Expansion

Hanwha Life continues to advance in the global market having established successful subsidiaries in Vietnam, China, and Indonesia—all with the goal of becoming the leading insurance company in each country.
WE IMAGINE DISTINCTIVE EXPERIENCES TO HELP 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.

Bringing Joy to Life

Hanwha’s growing network of unique resorts, hotels, and retail establishments has established Hanwha as a respected leader in the leisure and lifestyle industry.
Galleria Duty Free 63 is a golden landmark in Seoul, renowned for its luxury brands and providing a high-end shopping experience.
Leader in Maritime Culture

Hanwha’s affinity for marine life shows in our chain of award-winning aquariums, including eco-friendly Aqua Planet in four locations: Jeju, Yeosu, Busan, and Seoul. Our expertise in marine-life and aquarium architecture is recognized and sought out internationally. Wanda Nanchang Aquarium in China has employed our services to provide overall management along with consulting on the design and construction of its marine-life facility.

Expanding Globally

Hanwha HOTELS & RESORTS is building an international network of hotels and resorts, including the Ocean Palace Golf Club and Resort in Nagasaki, Japan, and the Saipan World Resort in the Marianas Islands in the South Pacific.

One of a Kind

THE PLAZA is South Korea’s luxury boutique hotel and one of the top hotels in Asia, recognized for its exquisite design, impeccable service, and premium accommodations. THE PLAZA is the first hotel in Korea to join the Autograph Collection, Marriott International's exclusive 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.
WE ENVISION POSSIBILITIES SO YOU CAN ACHIEVE YOUR GOALS.
Imaginations to Possibilities
Hanwha E&C is at the forefront of the global construction business. By building on our deep expertise, our business can successfully expand across chemical and power plants, civil engineering works, commercial buildings, and more. Hanwha City Development, a leading private developer of high-tech industrial complexes, is also gaining reputation as an experienced real estate developer with end-to-end solutions.

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 breathtaking 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 of people around the globe.
Hanwha’s Bismayah New City Project is the building of an entire city on an unprecedented scale with nearly 60 city blocks and 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.
Hanwha 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.

Hanwha E&C has built the Yanbu desalination plant. It provides 15 million gallons a day to help Saudi Arabia resolve its water deficit problem while simultaneously generating 160MW of electricity. Hanwha E&C is expanding its technologies and capabilities. One example is the Saudi Yanbu II power generation and desalination plant. It produces 15 million gallons of water a day.

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Hanwha OVERVIEW
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. In 2017 Hanwha entered its third and final stage of our vision to achieve a Quantum Jump. Quantum Jump motto is: as we lead, we will also serve. This means that we will continue to foster a corporate culture where we hold serving customers our top priority.

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 as the guiding force behind how we do business and why we innovate.

Our Core Values

· We believe in challenging the status quo in 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.
Since 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 environments, we’ve led the industry and demonstrated world-class capabilities in each of our businesses. Hanwha’s focused and 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.
Milestones

Foundation of a Business 1952–1953

RESTORING A NATION’S ECONOMY

After the Korean War, Hanwha played a critical role in reconstructing our devastated country. In 1952, Korea Explosives Co. (now Hanwha Corporation) produced industrial explosives desperately needed for the construction of the nation’s new infrastructure. The company succeeded in producing nitroglycerin in 1959 and entered the petrochemical business. It quickly turned the failing businesses into the powerhouse it is today (now called Hanwha Chemicals) in the global chemical market. Under the Kim leadership, we’ve also diversified into finance and services & leisure. In 1985, we acquired the Junga Group (now Hanwha Hotels & Resorts) to become Korea’s leading leisure company. In 1998, we also acquired Hyundai D&P, a Korean oil refinery and power plant.

Business Expansions 1964–1980

MODERNIZATION OF A NATION

As the nation’s economy grew so did Hanwha. Our success came from aggressive and strategic investments in key industries that could accelerate the modernization of our nation. In the mid-1960s, we established the Korea Housing Industrial Co. (now Hanwha Chemicals) and Hanwha Advanced Materials and entered the petrochemicals business. After launching Kyung-In Energy in 1964, we established Hanwha Precision in 1971 (now Hanwha Corporation’s Machinery Division). We sharpened our competitiveness in the machine business by acquiring Stehan Bearing (industrial). And in 1972, we continued to advance Korea’s industrialization by constructing Kyung-In Energy’s refinery and power plant.

The Secured Foundation 1981–1993

STRATEGIC DIVERSIFICATION

When Seung Tyan Kim became Hanwha’s 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 Mr. Kim’s key decisions was to diversify into the petrochemicals business by acquiring Hanwha Chemicals and Dow Chemicals Korea. He quickly turned the failing businesses into the powerhouse it is today (now called Hanwha Chemicals) in the global chemical market. Under Mr. Kim’s leadership, we’ve also diversified into finance and services & leisure. In 1985, we acquired the Junga Group (now Hanwha Hotels & Resorts) to become Korea’s leading leisure company. In 1998, we also acquired Hyundai D&P, a Korean oil refinery and power plant.

1952 Korea Explosives Co. (now Hanwha Corp.) is founded
1965 Korea Hwasung Industrial (now Hanwha Chemical and Hanwha Advanced Materials) is founded
1976 Sungbo Securities (now Hanwha Chemicals) is acquired
1986 Hansung Stores (now Hanwha Galleria) is acquired
1994 Hanwha F&D Center is built

Building Momentum 1996–2006

RESTRICTURING FOR THE NEW CENTURY

The 1997 Asian financial crisis affected South Korea severely. However, Hanwha met the challenges with radical innovation and restructuring. We secured liquidity by selling profitable affiliates, made employee job security our priority and moved forward with our faith in our spirit of hard work and loyalty to see us through. We emerged from the financial crisis not only without a single labor dispute but were heralded as a modelbusiness for other South Korean corporations to follow. We then sought new opportunities in the crisis and acquired Hanwha Life Insurance in 2002, which has grown steadily to become the second largest life insurance carrier in South Korea, with assets of KRW 100 trillion in 2016.

1996–1980

1996–1980

1996–1980

EMERGING AS A GLOBAL LEADER

As the 21st century began, Hanwha accelerated global expansion by diversifying businesses and building a robust network of overseas operations. Hanwha Advanced Materials acquired US-based AZDel Inc. and established a production subsidiary in the Czech Republic in 2007 to increase its standing as a global automotive component maker. In 2009, Hanwha Chemicals began constructing a PVC plant in Ningbo, China. Then in 2012, Hanwha won the Bismayah New City contract to construct an entire city in Iraq. In USD 10 billion, it was the largest overseas contract ever awarded to a Korean company. Total Fintech Holdings and Q.CELLS were acquired in 2015 and 2018, respectively, allowing Hanwha Q CELLS to become the world’s No. 1 solar cell producer in parallel. Hanwha Life expanded globally by establishing its Vietnam subsidiary in 2008 and acquiring an Indonesian life insurance company in 2013. Recently, the company entered the Finnish sector to offer greater financial security to more people worldwide. Currently, Hanwha is securing South Korea’s top position in the chemical, aerospace, and mechanisms sectors, with the largest acquisitions and mergers in the country. We are strengthening our global competitiveness by securing preemptive technologies and redeploying ourselves for the fourth industrial revolution.

2002 Hanwha acquires Korea Life (now Hanwha Life)
2007 Hanwha announces its new corporate identity
2012 Hanwha acquires Germany-based Q CELLS and acquired Q CELLS is launched
2015 Hanwha General Chemical Hanwha Techwin and more companies are launched

ACCELERATING GLOBAL BUSINESS 2007–Present

A GLOBAL LEADER

For THE NEW CENTURY

Emerging as a Global Leader

1996–1980

1996–1980

1996–1980

1996–1980

1996–1980

1996–1980

1996–1980
The financial data in the Financial Highlights shows the simple aggregates of sales, total assets, total liabilities, and total shareholders' equity among the Hanwha Group's major affiliates at home and abroad. (Source: the Hanwha Group)

Figures for sales and total assets of individual affiliate companies published on page 73 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 is therefore subject to change upon settlement of accounts and accounting audit results. The outlook data also includes 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. The 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. The 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 the data.

* Sales are converted into US dollars at the average exchange rate of USD 1=KRW 1,160.50 in 2016, and KRW 1,131.49 in 2015.
* Assets, liabilities, and shareholders' equity amounts are converted into US dollars at the December 31 closing exchange rate of USD 1=KRW 1,208.50 in 2016, and KRW 1,172.00 in 2015.
* The 2017 expectancy data was converted based on Hanwha Group's internal exchange rate of USD 1=KRW 1,160.
Manufacturing & Construction

Hanwha Corporation
Hanwha Techwin
Hanwha Land Systems
Hanwha Systems
Hanwha Defense Systems
Hanwha Power Systems
Hanwha Precision Machinery
Hanwha Chemical
Hanwha General Chemical
Hanwha TOTAL Petrochemical
Hanwha Advanced Materials
YEDOHIN NOC
Hanwha Engineering & Construction
Hanwha Q CELLS
Hanwha Energy
Hanwha City Development
Hanwha Corporation
www.hanwha.co.kr

EXPERTISE
Explorations: Industrial explosives products, raw explosives materials, explosives application, domestic and overseas mining services.
Defense: Precision-guided munitions, advanced ammunition, underwater surveillance equipment.
Trading: Petroleum, petrochemicals, metals, machinery, chemical products, industrial plants, coal, rare and renewable energy, general merchandise; resources development.
Machinery: Machine tools, aerospace, solar, factory automation, power tower, plant machinery.

2016 Total Sales
In USD millions
4,396

2016 Total Assets
In USD millions
6,429

Hanwha Corporation was founded in 1953 as Korea Explosives company, quickly becoming the leader in the South Korean explosives industry. It has since grown into a global manufacturing and trading company operating in four business areas—explorations, defense, trading, and machinery.

In 1953, we were the first domestic manufacturer of dynamite in South Korea. After having successfully developed safe, high-quality industrial explosives and the process products, Hanwha has 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 raw explosives materials, explosives manufacturing, and explosives applications. 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 2017, we entered a new market and took over the Australian mining service company LDE with proven high-quality products and aggressive pricing.

We also completed the full vertical integration of nitric acid—ammonium nitrate—industrial explosives by acquiring granular ammonium nitrate production facilities. We have also entered the aerospace business, sharpening our competitive edge. In 2015, we conducted large-scale mergers and acquisitions, expanding our businesses that had been previously focused on ammunition and guided munitions to include self-propelled guns and engines for aircraft and fleets, as well as defense electronics such as radar and combat systems. We have been selected as the developer of the Long Range Surface-to-Air Missile (LR-SAM) system, the key to the Korea Air and Missile Defense (KAMD) system. And in another of our growing businesses, we have successfully developed and delivered solar cell manufacturing tools, proving the quality and safety of our technology.

Hanwha Corporation's Defense Division has the largest defense capabilities in South Korea. Since entering the defense industry in 1974, this division 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 entered the aerospace business, sharpening our competitive edge. In 2015, we conducted large-scale mergers and acquisitions, expanding our businesses that had been previously focused on ammunition and guided munitions to include self-propelled guns and engines for aircraft and fleets, as well as defense electronics such as radar and combat systems. We have been selected as the developer of the Long Range Surface-to-Air Missile (LR-SAM) system, the key to the Korea Air and Missile Defense (KAMD) system. And in another of our growing businesses, we have successfully developed and delivered solar cell manufacturing tools, proving the quality and safety of our technology.

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Established in 1972, Hanwha Techwin began building businesses in the aircraft engine and film camera industry. Since our founding, we’ve leveraged our technologies in optics, video, and aircraft engines to expand into aircraft gas turbine engines and security equipment businesses. Across our businesses around the globe, we have developed top-tier original and application technologies. Combined with our growing expertise, we are proactively meeting market demands.

As South Korea’s only producer of gas turbine engines, we have an unmatched competitive edge in the engine business. For the last 40 years, we have provided a range of gas turbine engine solutions around the world. In 2016, we surpassed a milestone of completing 8,000 gas turbine engine units and signed a contract to provide large-scale aircraft engine parts to CAF and Rolls-Royce, becoming a trusted partner in the global aircraft industry. In addition, we entered into a contract with the United States Pratt & Whitney to operate a joint venture in Singapore’s manufacturing company. Our partnership with Pratt & Whitney is a role and revenue sharing partnership (RSP) to co-build the next generation aircraft engine. This partnership represents the joining of the ranks of other leading aircraft engine manufacturers of the world.

Our security business provides a full lineup of security solutions, from world-class CCTV’s and video recorders to integrated management software. We apply more than 20 years of experience in optics and video processing technology to offer products for various customer needs. We’re proactively meeting market demands.

World class quality and continuous innovation have propelled Hanwha Techwin to become a global supplier of engines for aircraft, including fighter jets and UAVs.

Hanwha Techwin develops technology for precision machinery, control, image analysis, software, and a range of automation projects. Leveraging our technology and expertise, we launched South Korea’s first collaborative robot in April 2017. Developing robots that can perform basic tasks and supplementary work enables us to maximize efficiencies in many industries, from automotive to electronics, food, and medicine.

Hanwha Techwin is world leader in security systems, with cutting-edge convergence solutions for infrastructure. Leveraging our industry experience and expertise, Hanwha Techwin is becoming a leading ground defense company with cutting-edge convergence solutions for ground systems.
### Hanwha Defense Systems

**EXPERTISE**

Infantry fighting vehicles, air defense weapons, guided weapons, launching systems, high-precision navigation, laser weapons

**2016 Total Sales**

In USD millions

<table>
<thead>
<tr>
<th>2016 Total Sales</th>
<th>663</th>
</tr>
</thead>
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**2016 Total Assets**

In USD millions

<table>
<thead>
<tr>
<th>2016 Total Assets</th>
<th>617</th>
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**As a defense electronics company, Hanwha Systems has significantly advanced the defense capabilities of South Korea’s military since the company was founded in 1973. As a defense company in 1973, we have developed advanced technology in the fields of infantry fighting vehicles, air defense weapons, guided weapons, and tracking systems.**

**Established in 1997, Hanwha Defense Systems provides comprehensive defense solutions. Our superior production and technology enable us to provide infantry fighting vehicles, air defense weapons, guided weapons, launching systems, high-precision navigation, and laser weapons. We became an affiliate of the Hanwha Group in 2016. We are accelerating to become a global top-tier company.**

We began supplying weapons systems to the South Korean military beginning with the KICB (for armored personnel carrier) and independently and commercially supplied them to the South Korean military. Since then, we have also developed the CHUNMoo (for high-speed surface-to-air guided system), KBO (for air defense weapon), K21 Infantry Fighting Vehicles (IFV), and CHUNMoo (a multiple rocket launcher). We have exported K200 to Malaysia in 1993, marking our first successful foreign weapons export. Since then, we have been continuously developing weapons systems, systems engineering technology, and senior armament.

Our R&D will also contribute to other high-performance and advanced weapons systems including a tactical communication system (TCS) and integrated command & control (ICC) solutions that better adapt to future warfare environments. These solutions are expected to be in high demand for export.

Hanwha Systems provides timely customer support with seven support centers around the country, including the first field maintenance support facility in South Korea. We offer total solutions from product development of weapon systems to integrated logistics support (ILS).

With our globally proven technology, superior product quality, and outstanding service, we strongly anticipate global market share and recognition worldwide.**
Hanwha Power Systems

www.hanwhapowersystems.com

EXPERTISE
Industrial air and gas compressor, gas turbine package, power generation system

2016 Total Sales
in USD millions
170

2016 Total Assets
in USD millions
176

Hanwha Power Systems launched in 1997 on the strengths of reliable technology and deep experience in gas turbine engines. We grew into a global powerhouse selling more than 4,500 units worldwide. We developed high-quality technology products to build diverse lineups and realize high added value. Our lineup includes compressors for industrial processes, fuel gas compressors for power plants, boil-off gas compressors for LNG terminals and plants, and extremely low-temperature compressors, expanders, and LNG (low duty)/HP (high duty) compressors for LNG carriers.

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 compressor and expander provide competitive advantages for our customers with competitive delivery and with competitive delivery and core components built in house. In 2015, we launched the world's largest air-cooled turbo compressor SAV180. In 2016, we were contracted to supply the world's first marine VCG (Vapor Recovery Unit) steam recovery turbo compressor. In addition, in 2015, we entered the LD/HD compressor market with a compressor for LNG carriers and solutions for shipbuilders.

In terms of global sales and R&D networks, Hanwha Power Systems is rapidly growing as a global energy equipment company. We are establishing long-term business relationships around the world. We currently have six international sales offices, as well as production facilities in Korea and China, and an R&D center in Houston, Texas. We are accelerating our global development cooperation in the US. Recently, we focused on building close business relationships with key customers in the O&G industry and we succeeded. In the first half of 2016, we obtained vendor approval for API 671 and API 672 from Saudi Arabia. We also strengthened our cooperation with GE Oil & Gas by signing MOUs for gas turbine generation and packagings.

Our next goal is to become a total energy solutions supplier. To this end, our plan is to strengthen our product portfolios in the compressor business and expand into turbine-related businesses that can support petroleum gas and power generation customers. And recently, we received an order from the U.S. Department of Energy (DOE) for a project related to SC202 engine development. We are now looking to collaborate with Swift Southeast Research Institute in the US. The SC202 project is expected to supply the steam turbine market and become a game changer that creates new markets in the distributed power generation market. In cooperation with KEPCO in 2017, we began to develop a pure oxygen gas turbine, eco-friendly high-efficiency power generation equipment. We expect our collected efforts and accomplishments will propel us to leadership in the eco-friendly power generation solutions market.

Hanwha Precision Machinery

www.hanwhaprecisionmachinery.com

EXPERTISE
Chip mounters, screen print, application equipment

2016 Total Sales
in millions
146

2016 Total Assets
in millions
101

For the petrochemical processes, our compressor is a state of the art technology that combines both the compressor and the expander without using redundant components such as a base frame, gearbox, or an oil system. Hanwha Power Systems’ compressor represents the company’s advancement and leading expertise in turbo compressor and turbo expander technology.

In 1991, Hanwha Precision Machinery developed the first chip mounter in South Korea. We have since grown into a total solutions provider, offering ultra-precision manufacturing equipment and integrated software. Our flagship product line-up, the DECAN series, is a new high-speed mounter that adopts the world’s only modular conveyor feature. Since its 2013 launch, the series has steadily evolved. The DECAN series boasts the best performance in its class and is our bestselling product. We are expanding our portfolio to include injection molding automation, a semiconductor flip chip mounter, and a 3D inspection machine. Our products better meet our customer needs and provides the best customer-oriented solutions that ultimately improves productivity. We are implementing a Smart factory, a total solution for a SME production line that boosts seamless operation, zero defects, and unmanned operation. Our Smart Factory will increase production efficiency, installation accuracy, quality, and management while lowering maintenance costs. Our network is expanding worldwide to provide differentiated products and services to global customers. We are becoming a global leader in the industrial equipment industry, which is experiencing continuous growth and innovation.

The DECAN series, our flagship product line, is a new high-speed mounter that adopts the world’s only modular conveyor feature. The DECAN series is our bestselling product with best-in-class performance.

For the semiconductor processes, our chip processor is a state of the art technology that combines both the chip processor and the applicator without using redundant components such as a base frame, or a controller. Hanwha Precision Machinery’s chip processor represents the company’s advancement and leading expertise in turbo compressor and turbo expander technology.
Hanwha Chemical
hcc.hanwha.co.kr

EXPERTISE
PE, PV, CA, photovoltaics, TDi

2016 Total Sales
in USD millions
3,001

2016 Total Assets
in USD millions
6,068

Established in 1965, Hanwha Chemical is a comprehensive chemical company with streamlined production systems for polyethylene (PE), polyvinyl chloride (PVC) and chlor-alkali (CA). As South Korea’s leading petrochemical company, we are highly influential in the nation’s chemical industry, producing high-quality PVC, CA, and low-density polyethylene (LDPE) at competitive prices.

In 2012, we successfully commenced high-density ethylene vinyl acetate (EVA) for the first time in South Korea. Just four years later, we localized the production of chlorinated polyvinyl chloride (CPVC), enhancing the quality of our PVC.

We continue to work to improve production efficiency and cost competitiveness while meeting the growing demand for our products around the world. Our PVC plant, completed in 2011 in Ningbo, China’s Zhejiang province, was built to produce up to 30,000 tons of PVC annually. Today, with continuous improvements in the production process, the plant is producing 40,000 tons of PVC each year. In Bang Phli, Thailand, we built an alkali soluble resin plant with an annual capacity of 1,000 tons. This facility serves as an important base of operations as we enter markets in Southeast Asia.

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 Company, a private petrochemical company in Saudi Arabia, and Gulf Advanced Cable Insulation in 2011. In 2015, we achieved cost reductions and economies of scale in our joint venture with International Polymers began to produce EVA and LDPE with Gulf Advanced Cable Insulation; we are producing wire and cable compounds. In 2016, we strategically acquired a company to maximize the synergy in production processing of CA and vinyl chloride monomer (VCM) while enhancing our production efficiencies with toluene diisocyanate (TDI), a key material for polyurethane products.

Hanwha Chemical is also expanding its global business to cover emerging future industries such as photovoltaics. We acquired global photovoltaic companies to enhance our competitive edge in this developing but exciting market. To strengthen our upstream solar businesses, we built a polysilicon plant in the Yeosu National Industrial Complex. The plant started in production in early 2016, with a capacity of 10,000 tons annually. We have been leveraging the advantages of our affiliate companies and making strategic investments to become a leader in the global solar energy market.

In June 2017, we established Hanwha Solar Power to advance mid-to-long-term growth beyond the single FPA business. We plan to improve our FPA-related technologies and develop related businesses in the value chain that we have grown over the last 46 years. We will also secure greater competitiveness through strategic investments and operation of PV businesses at home and abroad.

Hanwha General Chemical
facs.hanwha.com

EXPERTISE
FPA

2016 Total Sales
in USD millions
1,407

2016 Total Assets
in USD millions
2,169

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

Today, we have an annual capacity of two million tons, helping us to be No. 1 in both production capacity and market share in South Korea. Our experience and technology have also been recognized worldwide. We leveraged our many years of expertise and our FPA processing technology in the Middle East back in 2010. Since joining the Hanwha Group, we have enhanced our cost competitiveness by creating synergies with chemical affiliates and diversifying our markets through management and sales innovation.

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The Hanwha Chemical Ningbo PVC plant in Zhejiang, China, was completed in 2011, enabling us to target China’s PVC market with outstanding quality and value.

PTA is the primary raw material for polyester and is widely used in fibers, film, paint, and industrial materials.
Hanwha Total Petrochemical
www.hanwha-total.com

**EXPERTISE**
Ethylene, propylene, ID, EG, SM, LPG, gasoline, diesel, jet fuel, LP, solvent.

**Hanwha Total Petrochemical** operates a large-scale energy and petrochemical facility made up of 18 separate plants in the Daesan Petrochemical Complex in South Korea. We manufacture a wide variety of petrochemical products, including base chemicals such as ethylene, propylene, styrene monomer, para-xylene, and ethylene glycol. The petrochemical facility also produces polyethylene and polypropylene—polyolefin products that are used to manufacture a wide range of consumer energy products such as gasoline, diesel, jet fuel, liquefied petroleum gas, and solvents.

As the only petrochemical company in South Korea, we are equipped with a unique structure (core facility in our refining, and an aromatics plant). These facilities have enabled us to establish solid vertical integration, from petrochemical raw material supply to end-product production. In effect, we facilitate the foundation for stable growth by not only diversifying our product portfolio but also optimizing production efficiency and linking and managing raw materials, energy, distribution, and facilities. We registered as a refining company in 2010 and successfully completed its expansion in 2014. This added a second aromatics plant, a condensation fractionation unit, and an ethylene vinyl acetate (EVA) plant. These additions gave us a stable annual production capacity of in-demand products, including 1.59 million tons of ethylene, 2 million tons of para-xylene, and 1.06 million tons of styrene monomer.

Since its founding in 1988, Hanwha Total Petrochemical has tirelessly led South Korea’s petrochemical industry with technology innovation and global expansion. In 2003 it ventured with the Total Group, a major French energy and chemical company, and formed a global energy and chemical company, a strong platform for growth. After becoming a Hanwha affiliate in 2011, we achieved a record-breaking business performance.

Hanwha Total Petrochemical’s EvA for solar materials, electronics materials, solar materials.

Hanwha Total Petrochemical's EvA for solar materials, electronics materials, solar materials, and Advanced Materials.

**Hanwha Advanced Materials**

**EXPERTISE**
Automotive materials, electronics materials, solar materials.

**Hanwha Advanced Materials**” defines its vision as “A high-tech materials company that protects the values of humanity and the environment. We’ve been selected as a World Class Product of South Korea in 2015 by the Ministry of Trade, Industry, and Energy. Our range of high-value-added products include protective film and general film, also claimed the No. 1 spot for market share in South Korea. As a major affiliate of the Hanwha Group, we expect our next recognition to come from maximizing synergy with our affiliates and enhancing our global competitiveness.

Hanwha Advanced Materials maintains the world’s largest market share for Stronglite (STW) and Suprolite (SMT), materials proven to reduce the weight of automobiles. We are now expanding global operations and production facilities at the global market for lightweight composite materials for auto parts in order to meet the demand for lighter weight components for vehicles.”

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Hanwha Total Petrochemical’s EvA for solar materials, electronics materials, solar materials.

Hanwha Advanced Materials
www.hwam.co.kr

**EXPERTISE**
Automotive materials, electronics materials, solar materials.

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Hanwha Total Petrochemical’s EvA for solar materials, electronics materials, solar materials.

Hanwha Advanced Materials
www.hwam.co.kr

**EXPERTISE**
Automotive materials, electronics materials, solar materials.

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At the world’s leading naphtha-cracking facility, Yeosu NCC produces high-quality downstream petrochemical products. With our forward-looking production processes producing high-quality downstream petrochemical products, this state-of-the-art facility gives Hanwha affiliates a competitive edge as they produce high-quality downstream petrochemical products.

Hanwha Engineering & Construction

www.hwenc.com

EXPERTISE
General construction, residential complexes, urban development, industrial plants, civil engineering, water treatment

2016 Total Sales in USD millions
2,713

2016 Total Assets in USD millions
5,566

Hanwha E&C has rapidly grown into a global player by leveraging its extensive experience in construction projects and by implementing its advanced management systems, sound financial structure, and solid partnerships with customers. Our professional and highly skilled employees effectively combine industry expertise with cutting-edge technology, truly making our workforce a key differentiator.

Supported by steady flow of investments, product specialization, facility expansion, and business focus, we have become a leading naphtha-cracking Center (NCC) company in Korea. Internationally, by building on our topnotch capabilities, we are becoming a world-class petrochemical company.

In 2014, we demonstrated our technological prowess by successfully building the world’s largest domed arena in the Philippines, recognized as the world’s largest new urban construction project that includes infrastructure facilities for 100,000 households and 300 schools. The first overseas project of its kind by a South Korean company, Bismayah New City is recognized as a key project in global new city development.

Hanwha E&C’s outstanding business competencies are well recognized globally. And with our reputation for reliability and dependability, we have been able to secure a series of contracts to construct large-scale petrochemical plants in the Middle East and North Africa.
Hanwha Q CELLS is a total solar power solution provider with the world’s largest cell production capacity. Our business scope ranges from the manufacturing of ingots, wafers, and modules, to downstream solar solutions for residential, commercial buildings, and solar power plants.

In 2011, the Hanwha Group has built Hanwha Q CELLS into the world-class leading capacity. We currently have cell and module production networks in China, Malaysia, and South Korea. Despite the strong growth, we continue to invest in R&D and manufacturing innovation to stay a step ahead of the growing worldwide demand. The Jinsuoren Plant in South Korea, built in 2011, can produce more than 1GW of Q CELLS—its total cell output annually. Our Q Antum technology is based on FERC cell technology, providing mono-crystalline efficiency for even multicrystalline module cells. The latest Q.ANTUM modules, Q.PLUS, won the Module Manufacturing Innovation award at Solar Industry Awards, 2015 in Hamburg, Germany.

In 2014, we entered the rooftop solar power equipment market in Japan and Europe and large-scale power plant markets in the US, Thailand, China, and Latin America. In the same year, we secured a series of large solar projects across Europe—in the UK, France, and other countries. Solar project contracts in Japan helps us achieve top international market share in 2016 and the status as a key worldwide player. In 2015, we partnered with US-based Netb differentiate our technology innovation. Our base solar R&D work is done in Thalheim, Germany but R&D network spans China, Malaysia, and South Korea. Our R&D centers all receive Hanwha’s continuous support and investments to develop solar technology, including anti-PEEC hot spot protection, and more. With its cutting-edge technology and economies of scale, Hanwha Q CELLS is apt taking on the growing demand for solar power around the world. In 2015, we signed a contract to deliver 600MW modules to International, the largest solar power plant in Japan. We also completed the construction of a 570MW solar plant in Kakeke, Renewable Energy Park in Chiba, Japan.

Q CELLS is securing its global leadership in the solar power industry through long-term growth and expertise—this is part of our strategy to optimize for the needs and policies of worldwide energy markets. To achieve this goal, we are developing several solar power projects through our local subsidiary in California, Texas, Las Vegas (Nevada), and other locations. To efficiently operate and systematically maintain solar power plants, we are promoting O&M business based on our Hanwha Energy, integrated systems (HeiS). By ensuring stable profits for our customers, assets through maintenance and improved performance, our O&M business has become one of the main pillars of our renewable energy business.

This state-of-the-art cogeneration plant provides a stable supply of high quality electricity and ultra-high pressure steam to companies in the Yeosu and Gunsan National industrial complexes in South Korea.

Hanwha Q CELLS
www.hanwha-qcells.com

EXPERTISE
Solar power solutions: ingots, wafers, cells, modules, and systems

2016 Total Sales
$4,209 million

2016 Total Assets
$2,209 million

Hanwha Q CELLS core sales and total assets are based on IFRS reporting standard.
Hanwha City Development has been recognized as the leading private developer of high-tech industrial complexes since its establishment in 2001. Starting with our success in Daedeok Techno Valley, additional projects followed, such as the Asan Techno Valley project (1,994,000m², 200 enterprises, 6,000 households), the Gwangju Techno Valley project (1,440,000m², 200 enterprises), and the Gyeonggi Hwaseong Bio Valley project (1,415,000m², 200 enterprises). Each completed project stood out as achievements, and each one received high praise. The projects are considered exemplary development models and, not surprisingly, have been benchmarked by several local governments.

Buoyed by these achievements, we’ve broken 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 IT, fusion technology, and other areas of technology. When completed in 2018, the industrial complex is expected to play an important role as the center of the industrial belt, south of Seoul.

Our Gyeonggi Hwaseong Bio Valley industrial complex will provide an optimal business environment for cutting-edge tech companies.
Hanwha Life
www.hanwhalife.com
EXPERTISE
Life insurance, mortgage and personal loans, trust, fund, retirement pension

2016 Total Sales
$13,784 million

2016 Total Assets
$87,159 million

In 2016, as we expanded, we made sure to listen to our stakeholders, reporting total assets of USD 87.15 billion. At the end of 2016 we achieved a 198.7 percent risk-based capital (RBC) ratio which demonstrates the soundness of our asset quality. We have also received a stellar AAM credit rating from South Korea's top rating agencies for the past ten years.

Hanwha Life leads the industry with innovative products and we’re committed to adding new services that meet a wide range of customer needs, including wellness and health insurance. Since we introduced our exclusive license system—the insurance industry’s equivalent of a patent—we have gained 12 exclusive sales rights for our original insurance policies, an industry high.

We also reengineer when our customer interactions. Through our customer-centric marketing and sales, we’ve aligned our offerings to the stage of our customers. We then improved our call center and customer service centers. Certificates and awards from government organizations and customer satisfaction survey firms have recognized our efforts. We ranked No. 1 for seven consecutive years through 2016 in the Korea Service Awards from the Korea Standards Association in the life insurance sector. In the 2016 Korea Service Quality Index survey, managed by Korea Management Asset Consulting, we also ranked as the top five customer service for seven years in a row and for five consecutive years for our call centers.

Hanwha Life is aggressively entering new markets. Recently we’ve become the only insurance company to participate in the first Internet-only bank consortium, which earned a bancassurance position.

Using fintech and big data technology, we launched the industry’s first mid-range lending program. We also debuted DreamUp, the largest fintech nurturing center in South Korea to lead the rapidly changing financial environment and establish a steppingstone for global expansion. We also gained a contract worth USD 12 million with Anthems, a UK-based fintech investment company. In the international market, we lead the industry. Our Vietnam subsidiary was established in 2008; the first in India by a company from South Korea. With a strategy focused on localisation and a nationwide sales network, we turned a profit in 2016, a first for a South Korean insurer. Our Chinese subsidiary, Sinco Korea Life Insurance, entered new markets in Guangdong and Jiangsu province, and ranked as the largest foreign invested insurance company in Zhejiang province. In Indonesia, our subsidiary is growing fast having licensed 14 sales channels and establishing bancassurance alliances. We continue to look forward and continue to increase our global market share through fintech-based business models in Asian countries Hong Kong, Malaysia, and Singapore are next.

In 2015, Hanwha Life announced a new vision to become a leading player in the global insurance industry. To realise this vision, we established three mid- to long-term strategic business visions.

First, we will provide new contract-value-based products. Second, we will improve fundamental profits and business management of our insurance business model. Lastly, we will improve return on asset operation. Our plans to grow into a global top tier insurance company through digitisation, and by fostering a culture of innovation, where employees are inspired to act as youthful as a start-up employees.

Our efforts to improve customer service have been recognized with the top three service quality awards by the South Korean government organizations: Excellent, Call Center Service RS Certificate, and the Certificate of Excellent Service Quality.

Hanwha General Insurance
www.hanwhalin.com
EXPERTISE
Long-term insurance, automobile insurance, general insurance, mortgage, personal loans

2016 Total Sales
$5,335 million

2016 Total Assets
$10,985 million

In 2016, Hanwha General Insurance is the first South Korean insurance company funded 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 11 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 created a Consumer Protection Charter to improve service quality and minimized customer inconvenience to provide an overall superior customer experience. We also empowered the scope of what our call center agents could do to encourage a one-call, one-stop system. In addition, we were the first South Korean insurer to introduce an electronic signature system, making it easier for customers to complete transactions from their mobile devices. We have even introduced a mobile application called Smart Insu, catering to the needs and needs of our customer. More than 100,000 customers have installed the app.

Hanwha General Insurance is a major insurer with total assets of USD 11 billion and a diversified investment portfolio.

Hanwha, a company which leads the life insurance industry in South Korea, has become an Fintech pioneer, the first online life insurance sales channel in South Korea. ‘Dream Up’ serves as yet another channel through which we will expand our insurance business.
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. To date, we have successfully established ourselves as a reliable asset management partner in the ever-changing capital market by providing various domestic and overseas financial products and customer-oriented services.

We’re guided by our company policy of “Good Communication & plus Management”—we listen to our employees who understand our customers and continuously encourage innovation within the organization. We differentiate our services by putting customers first and working to establish customer trust.

We have secured a stable and diversified profit structure with business portfolios in investment banking, trading, wealth management, and institutional investors. As a preemptive response to the rapidly changing digital financial environment, we developed unique opportunities to ensure simpler and more convenient investment experiences for every client. Our easy-to-use application, STepS, displays essential information to support beginners and young investors. We have improved the intuitive features of our mobile trading system and continuously upgrade based on customer feedback.

Our business vision motto is to grow together with our clients, shareholders, and employees while securing our base for sustainable profits. As a trusted financial partner with expertise in a range of business fields, we can make financial dreams come true and future happiness a reality. Hanwha’s motto is “Go further together with our clients as trusted financial partners for greater happiness, for life.”

Hanwha Asset Management is a leading player in the financial industry in Korea, with a focus on asset management. The company offers a wide range of investment products, including stocks, bonds, funds, and derivatives. Hanwha Asset Management is known for its innovative solutions and disciplined approach to asset management.

Hanwha Asset Management is widely recognized for its expertise in the financial industry and is committed to providing exceptional service to its clients. The company is dedicated to helping its clients achieve their financial goals and provides a range of investment products and services to meet their needs.

Hanwha Asset Management is also known for its commitment to innovation and technology, constantly adapting to the changing landscape of the financial industry. The company uses cutting-edge technology to improve its services and provide customers with convenient and easy-to-use platforms for managing their investments.

Hanwha Asset Management is a trusted financial partner, with a strong reputation for integrity and reliability. The company is committed to providing the highest level of service to its clients, ensuring that they receive the best possible investment advice and management.

Hanwha Asset Management is also focused on sustainable development, with a commitment to making a positive impact on society and the environment. The company is a leader in the adoption of green initiatives and is committed to reducing its carbon footprint and promoting responsible investing.

Hanwha Asset Management is a globally recognized and respected financial institution, with a strong presence in the international market. The company’s expertise and commitment to innovation and sustainability make it a leader in the financial industry and a trusted partner for investors seeking long-term growth and stability.

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An experienced and stable financial institution, Hanwha Savings Bank has earned customer trust through its top-quality sales teams, financial products and disciplined management.

Founded in 1997, Hanwha Savings Bank joined the Hanwha Group in 2008 and has since grown into one of the most stable savings banks in the industry. Even in an unfavorable business climate, we’ve been able to safely pursue external growth with our experienced sales teams while maintaining a disciplined management. We also extend the fundamental roles of microfinance institutions and support profitable business for promising small and medium-sized companies.

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 as a sound financial institution, and we are committed to providing individual and business clients with top-quality financial products and services.

Hanwha Savings Bank
www.hanwhasbank.com

EXPERTISE
Deposits, commercial and personal loans

2016 Total Sales
USD 36 million

2016 Total Assets
USD 534 million

As of 2016

Services & Leisure
Hanwha Hotels & Resorts
Hanwha Galleria
Hanwha Galleria Timeworld
Hanwha 63 City
Hanwha S&C
Hanwha Station Development
Hanwha Hotels & Resorts began operations in 1979 as the developer of the South Korea’s first condominium project—titled Hanwha—in 1986. 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 Pangyo, South Korea, which boasts over 4,800 guest rooms across 12 properties. In Japan and South Korea, we own and operate premier golf courses totaling 126 holes. Our partners include Resort Condominiums International (RCI), 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.

We also operate Seokol Yerepes, Phoenix Aqua Village in Geongju, JBG Therapy Center, Royal Saddle Equestrian Society, and Jade Garden in Chuncheon—all answering attractions and envied by competition. In addition, we operate 63 Square on the Han River which offers high-quality services and attractions, including KT and an elaborate aquarium.

We’ve applied our expertise gained and technologies developed from the former KT Sea World, the first aquarium in South Korea. With the breeding Aquarium Belt, South Korea’s largest network of aquaria, across Korea, Jeju, Wonju, and Seoul. Our expertise earned us a consultant contract to design and construct the Wanda Nanchang Aquarium in China, and we operate the 1,300-tion indoor aquarium on commission. Partnering with South Korea’s government, we are creating a tourist destination, the Belvedere. The marine resort, with 405 rooms and a private marina, is expected to complete by 2018.

Our hotel division has developed THE PLAZA into a world-class 450-room luxury boutique hotel located in the heart of Seoul. THE PLAZA offers impeccable service and experiences accented by its unique interior design. In 2016, the hotel became the first in South Korea to open the Autograph Collection, a luxury portfolio owned by Marriott International. Our exceptional customer service and upscale innovations have been recognized by the industry. THE PLAZA was selected as one of the Top 20 Hotels for Luxury and Best Service by the 2017 Trip Advisor Travelers’ Choice Awards. It also ranked No. 3 among Best Luxury Hotels in Korea by Global Traveler, a worldwide business travel magazine. The International Hotel Awards selected THE PLAZA as its 2017 Large Hotel of the Year. Commissionaire can experience THE PLAZA’s seven outstanding cuisines in the landmark 63 Building, along with a panoramic view of Seoul. Food is prepared with fresh seasonal ingredients by top award-winning chefs.

Our Food Culture Division provides comprehensive services, including food service contracts, dining business services, and food materials supply. The food service contract unit is built by 10 years of experience and a unique operations system. Our dining business unit provides comprehensive services on multi-use complex facilities, as well as elegant wedding and banquet services. The unit also runs concept restaurants such as Chinese Bistro T-won and oreno Italian kitchen. The unit provides commissioned services in culinary and event planning, as well as elegant wedding and banquet services. We are rapidly becoming South Korea’s premier leisure and food service provider. Our Food Culture Division provides comprehensive services, including food service contracts, dining business services, and food materials supply. The food service contract unit is built by 10 years of experience and a unique operations system. Our dining business unit provides comprehensive services on multi-use complex facilities, as well as elegant wedding and banquet services. The unit also runs concept restaurants such as Chinese Bistro T-won and oreno Italian kitchen. The unit provides commissioned services in culinary and event planning, as well as elegant wedding and banquet services.

Seokol Yerepes combines the beautiful natural scenery of the East Sea with high-quality facilities. South Korea’s first ever hotel on the East Sea, guests can appreciate soothing and relaxing experiences. Our resorts, hotels, leisure, food services, and food materials supply. The food service contract unit is built by 10 years of experience and a unique operations system. Our dining business unit provides comprehensive services on multi-use complex facilities, as well as elegant wedding and banquet services. The unit also runs concept restaurants such as Chinese Bistro T-won and oreno Italian kitchen. The unit provides commissioned services in culinary and event planning, as well as elegant wedding and banquet services.

Once its opening in 1979, Hanwha Galleria has set the trend for premium lifestyles as the leading realty in South Korea. Hanwha Luxury Hall, which opened in 1990, was South Korea’s first upscale department store and later served as the inspiration for luxury department stores throughout South Korea. With the largest number of luxury brands and distinctive services, our dining and retail destinations are attractive to both tourists and domestic shoppers. Hanwha Luxury Hall features luxury brands, global fashion trends, fine dining, and premium services. It embodies the vision of a new generation of luxury malls, meeting the needs of customers who want something upscale and different.

Located in premium locations across the country, including Seoul, Gwangmyeong, Bucheon, and Jeju, Hanwha Department stores also offer customers a suite of sophisticated shopping opportunities with distinctive merchandise and localized marketing practices. In 2016, we plan to open a new store in Gwangmyeong, Gyeonggi-do to secure the growth momentum of our stores in the suburban market. We developed new concepts and differentiated spaces, the Gwanggyo store will provide a new paradigm for the retail business. We are working to become the No. 1 premium retailer in the country, providing first-class shopping experiences for the latest trends. Hanwha Galleria Timewlock Street opened a new business center for a new duty-free store in Seoul. South Korea’s first duty-free store, Galleria Duty Free 63 opened its doors in December of 2015 at our 63 Building and covered 100,000 square meters of selling space. We are transforming Seoul into a shopping destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination, the new tourist destination.

In addition, we build and evolve our business constantly finding success by promoting new merchandising and marketing activities. We also find hidden gems, create our own experiences, and develop customer needs for purchasing goods and services online. We will continue to take creative steps to strengthen our core competencies that appeal to our customers—our best products and the best possible experience. Hanwha Galleria Timewlock Street opened a new business center for a new duty-free store in Seoul. South Korea’s first duty-free store, Galleria Duty Free 63 opened its doors in December of 2015 at our 63 Building and covered 100,000 square meters of selling space.
Hanwha Galleria Timeworld is the largest high-end department store in central South Korea. Specializing in luxurious fashion brands from around the world, the store is home to the area’s first Louis Vuitton, Gucci, and Prada stores. We’ve cemented our status as the premier high-end shopping destination in Daegu. Our landmark store is easy to navigate through and provides lounges where customers can relax leisurely while they shop. It also serves as a cultural hub, housing a community center that hosts more than 400 seasonal programs during the year.

In September 2015, we launched Gourmet World on the store’s top floor. The restaurant provides the finest cafeteria services in the Chungcheong province of South Korea. Visitors also enjoy our Culture and Play Zone, a multicultural playground for families, combined with a prestigious culture center that has recently been renovated. The quality and diversity of our offerings make us the finest high-end department store in the heart of South Korea.

Hanwha 63 City was founded in 1986 as a property management firm, providing comprehensive services to raise the value of its client assets. We applied expertise built over the years in management of skyscrapers to 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. By managing the landmark 63 Building, we have sharpened our skills in property management and deepened our expertise in electrical facilities, machinery, equipment, disaster prevention, firefighting, communications facilities, cleaning, and security. Our comprehensive technical services include inspection of completed construction sites, safety audits of facilities, functional checks of firefighting facilities, and interior design work.

Hanwha 63 City’s SnS Division offers expertise in renewable energy solutions and integrated security systems. After having achieved sustained growth, in 2016, Hanwha Echtore Inc. spun off Hanwha Echtore Inc. to offer expertise in renewable energy solutions and integrated security systems. And after having achieved sustained growth, in 2016, Hanwha Echtore Inc. spun off Hanwha Echtore Inc. to offer expertise in renewable energy solutions and integrated security systems.
Hanwha S&C
www.hsnc.co.kr

EXPERTISE
Integrated IT business services

2016 Total Sales
in USD millions
314

2016 Total Assets
in USD millions
488

Founded in 2001, Hanwha S&C provides world-class IT solutions and services to a variety of industries, including manufacturing, construction, financial services, retail, service, and education. We expertly build customized systems, IT infrastructure and Cloud operation services that offer customers a high degree of stability and security competitive costs. Our open-stack HONE Cloud solution (Hanwha Number ONE Cloud) has earned ISO 27017 certification and is widely recognized.

We are becoming a convergence industry leader as we incorporate smart factories, Internet of Things, and Big Data. In recent years, we’ve been increasingly using sensing technology applications to improve retail, traffic flow, and manufacturing. For example, we applied ICT technology to factories, such as facility control, sensing, and information analysis, to realize smart factories and to increase manufacturing efficiency.

Hanwha S&C’s data center embodies state-of-the-art infrastructure integration, while providing solutions to strengthen value for our clients.

Hanwha Station Development
www.hwsd.co.kr

EXPERTISE
Commercial development, property management

2016 Total Sales
in USD millions
56

2016 Total Assets
in USD millions
360

Hanwha Station Development is our nation’s premier developer and manager of railway stations. Since its founding in 1987, we have pioneered the retail and leisure culture by combining commercial complexes with private stations. We developed the building complexes into the central station and commercial complexes such as Seoul Station and the Cheongnyangni Station, logistic 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 becoming an industry-leading developer and manager of commercial complexes.

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.
Corporate Social Responsibility
Building on our world-class solar energy business, Hanwha engages in a range of activities that promote and expand the use of solar energy. We strive to help people join the energy revolution with activities that counteract climate change, such as using solar energy and providing support for social welfare facilities. We also offer education and eco-friendly energy experiences for young people.

**Economic Forum in Davos**

- Solar modules donated to the World Economic Forum Congress Center in Davos

**Happy Sunshine Campaign**

- Hanwha supports the use of sustainable energy in every community with expertise and awareness gained from vertical integration of our solar businesses. Our barefoot program is Happy Sunshine, our initiative that donated solar power generation systems to community welfare centers in South Korea. We also operate the Hanwha Solar Forest project. Hanwha Solar Forest is an initiative that donated solar power generation systems to elementary schools in underdeveloped areas in China. We continue to run a solar education program for communities and children to improve awareness on the need for eco-friendly energy and the principle of photovoltaic power generation.

**Hanwha Solar Forest**

- Hanwha created the Hanwha Solar Forest mobile game with Tree Planet, a UNCCD-certified game company. When users plant virtual trees, we respond by planting real trees. Since 2011, the Hanwha Solar Forest campaign in collaboration with the UN Convention to Combat Desertification has planted 460,000 trees across six locations in Korea, Mongolia, and China to combat desertification and raise awareness of climate change.

**Solar Panels Donated to Davos**

- The Hanwha Solar modules donated to Davos are expected to have a capacity of 340 kW. This amount of energy is enough to reduce 20 tons of CO2 emissions per year.

**Social Responsibility**

- Eco-Friendly Solar Energy

**Social Responsibility**

- Culture, Arts, and Sports

**Orchestra Festival with Hanwha**

- Hanwha supports a range of arts and cultural events. Since 2000, we have sponsored the Orchestra Festival, the largest event of its kind in South Korea. Our annual Hanwha Pop and Classic Journey has been held to foster the arts in South Korea. In recognition for popularizing classical music and promoting the Korean culture and arts, Hanwha was awarded the Grand Prize at the Mecenat Awards hosted by the Korea Mecenat Association since 2004, and the Classic has been held in cities around the country since 2004. The world’s leading fireworks technology companies, lighting up the sky over the Yeouido Han River Park every autumn. Since its debut in 2000, the festival has wowed over a million spectators, providing unforgettable memories for families and friends. With the slogan of “Shaping hope through Fireworks, this has become a flag for cultural festival Hanwha Time to Burn Campaign. Hanwha supports people who cannot afford leisure time. A unique campaign to help people achieve their inner dreams and passion for travel, it is recognized as an extraordinary social contribution program.

**Seoul International Fireworks Festival**

- Hanwha has held the Seoul International Fireworks Festival to showcase wondrous and passion for travel, it is recognized as an extraordinary social contribution program.

**Happy Sunshine Campaign**

- Hanwha supports the diverse lifestyles of our customers and communities with professional and systematic organization and financial resources. We do this by building the dreams, hopes, and enthusiasm of people. And by combining our talents with the love of people, we’re driven to creative ideas and practical solutions.

**Seoul Arts Center**

- Hosted by the Korea Mecenat Association since 2000, it has been held in cities around the country since 2004. The world’s leading fireworks technology companies, lighting up the sky over the Yeouido Han River Park every autumn. Since its debut in 2000, the festival has wowed over a million spectators, providing unforgettable memories for families and friends. With the slogan of “Shaping hope through Fireworks, this has become a flag for cultural festival Hanwha Time to Burn Campaign.

**Opera Festival with Hanwha**

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**Seoul International Fireworks Festival**

- Hanwha has held the Seoul International Fireworks Festival to showcase wondrous and passion for travel, it is recognized as an extraordinary social contribution program.

**Music and Arts**

- Hanwha supports the diverse lifestyles of our customers and communities with professional and systematic organization and financial resources. We do this by building the dreams, hopes, and enthusiasm of people. And by combining our talents with the love of people, we’re driven to creative ideas and practical solutions.
Since the Hanwha Social Responsibility Center was founded in 2001 to commemorate the company’s 50th anniversary, Hanwha has set up teams of employees to participate in volunteer activities at each affiliate company. We focus on supporting the dreams and talents of youth, our future leaders.

Supporting Young Leaders of the Future
Hanwha believes that fostering talented young people contributes to society. In 2011, we began sponsoring the Hanwha Science Challenge, a high school science competition that aims to identify talent in science and nurture potential Nobel Prize candidates. Since then, we have expanded our programs to develop scientists of the future and established the prestigious private school, the Bugil Foundation. In 2014, we began sponsoring the Hanwha Arts Plus program to discover and nurture promising students. We aim to make them into future talents by helping them to grow, create, and pursue their goals.

Caring Employee Volunteers
Hanwha actively engages in social contributions with employees. One flagship program is a group-wide program designed to improve educational opportunities for low-income and physically challenged children. Since its 2005 launch, this innovative program has supported study rooms and reduction classes for children of all abilities and challenges. We support experiential educational activities in every industry. We help those who are neglected and those whose environments have been compromised. Every October, to celebrate Hanwha’s founding, all affiliates participate in relay volunteer services for the underprivileged and for those who need help.

Creating a Culture of Safety
After implementing the policy, Hanwha achieved a LTIR of just 0.06, which meets our Constant Cross-Check rule and raises employee safety awareness. We have established various safety systems to monitor the safety status of every plant and individual facilities jointly implement Absolute Safety policy. This system monitors the safety status of every plant and raises employee safety awareness.

Responding to Climate Change and Reducing Pollutants
Hanwha is taking the lead in fostering a low-carbon society. We joined the Carbon Disclosure Project (CDP) in 2011, and were the first South Korean company to release carbon management information for all our affiliates. In 2014, Hanwha SolarOne (now Hanwha Q CELLS) was the first South Korean company to release carbon management information for all our affiliates. In 2014, Hanwha SolarOne (now Hanwha Q CELLS) was the first South Korean company to release carbon management information for all our affiliates. In 2014, Hanwha SolarOne (now Hanwha Q CELLS) was the first South Korean company to release carbon management information for all our affiliates. In 2014, Hanwha SolarOne (now Hanwha Q CELLS) was the first South Korean company to release carbon management information for all our affiliates. In 2014, Hanwha SolarOne (now Hanwha Q CELLS) was the first South Korean company to release carbon management information for all our affiliates.

Hanwha actively responds to the changing global energy paradigm and strives to build a global 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 at each stage of our business management.
WINNING PARTNERSHIPS

Hanwha strongly believes our partners are not only companions, but part of the family. For small and medium-sized business partners, we help create self-reliant environments that encourage good management. We support our partners to build a foundation for the growth and independence.

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

In collaboration with Chungcheongnam-do, Hanwha’s transformed Jukdo Island to become energy self-sufficient. Using our micro-grid business, solar technology, we transformed Jukdo Island in Chungcheongnam-do into an energy-linked eSS (energy Storage System) that will ultimately help reduce energy costs and promoted tourism.

HUMAN RESOURCES

Hanwha 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 talent. Young Hanwha is a program that fosters this effort, helping us to move forward and build on the passion of our foundation.

Commitment to Mutual Growth

Since 2009, Hanwha has fostered collaborative partnerships with over 1500 small and medium-sized enterprises. We help them grow their businesses by strengthening their core competencies, supporting their financial needs, and engaging in fair trade practices. In 2011, we promoted mutual growth with our partners instead of competing with them.

We encourage good management. We support our partners to build a foundation for the growth and independence.

Building Winning Partnerships

Leveraging our spirit of “trust and loyalty,” Hanwha stays connected with its partners. We work frequently with partner companies and have put to practice our belief in “Going Further Together” by engaging in joint businesses, exchanging technology and information and providing exemptions from the usual performance guarantees. We are expanding industry-specific programs to enhance partner competitiveness and helping them to expand their domestic and international sales networks. We are also supporting innovation consulting, equipment purchasing and management practices for safety, process, environment and quality controls.

Innovating the Regional Economy

Hanwha provides opportunities for rural areas to ship in department stores and duty-free shops. For example, we find hidden high-value-added agro-fishery products that increase local income and add them to our retail contents. Using our micro-grid business, solar energy-linked eSS (energy Storage System) technology, we transformed Jukdo Island in Chungcheongnam-do into an energy self-sufficient island, which reduced energy costs and promoted tourism.

Sharing Values

Hanwha 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 what ultimately supports a greater cause. We develop global talent with professionalism as we operate a range of training programs for specific jobs and positions.

Cultivating Future Global Leaders

Hanwha continues to invest in talent. Our global talent program nurtures employees with interests in global business and potential we can develop. In our regional specialist program, we send associate and junior managers to key areas, where they experience local business and culture and become company experts. We also operate a special program to select and develop core executive talent to fuel Hanwha’s future and growth. We sponsor global Fellows program for our top talent and potential CEO candidates. We also provide opportunities to earn master’s or doctoral degree in STEM (Science, Technology, Engineering and Math) and assign degrees in STeM (Science, Technology, Engineering and Math) and assign opportunities to earn masters or doctoral degrees in STEM (Science, Technology, Engineering and Math) and assign opportunities to earn master’s or doctoral degrees in STEM (Science, Technology, Engineering and Math) and assign opportunities to earn master’s or doctoral degrees in STEM (Science, Technology, Engineering and Math) and assign opportunities to earn master’s or doctoral degrees.

Facilitating Work-Life Balance

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

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

Growing Hanwha with global talent
Togethers, Hanwha worldwide talent is building young global talent.

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Commitment to Mutual Growth
Since 2009, Hanwha has fostered collaborative partnerships with over 1500 small and medium-sized enterprises. We help them grow their businesses by strengthening their core competencies, supporting their financial needs, and engaging in fair trade practices. In 2011, we promoted mutual growth with our partners instead of competing with them.

We encourage good management. We support our partners to build a foundation for the growth and independence.

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

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

In collaboration with Chungcheongnam-do, Hanwha’s transformed Jukdo Island to become energy self-sufficient. Using our micro-grid business, solar technology, we transformed Jukdo Island in Chungcheongnam-do into an energy self-sufficient island, which reduced energy costs and promoted tourism.
AMERICAS

• Hanwha Techwin (video surveillance system marketing)
• Hanwha Q CELLS (producing solar cells, modules and R&D)
• Hanwha Advanced Materials (producing auto parts)
• Hanwha America Development (video surveillance system sales)
• Hanwha Machinery America (machine tool sales)
• Hanwha Q CELLS GmbH (trading)
• Hanwha International (golf club and resort operation)
• Hanwha Chemical (golf club and resort operation)
• Hanwha International (producing solar cells, modules and R&D)

EUROPE & AFRICA

• Czech Republic: Hanwha Advanced Materials (producing auto parts)
• France: Hanwha Q CELLS (sales & marketing)
• Germany: Hanwha Europe (producing solar cells and modules)
• Germany: Hanwha TechM (machine tools sales)
• Germany: Hanwha Advanced Materials (producing auto parts)
• Germany: Hanwha TechM (machine tools sales)
• Germany: Hanwha CELLS Berlin (STC)
• India: Hanwha Q CELLS (sales & marketing)
• Turkey: Hanwha Q CELLS (sales & marketing, downstream solar)
• Ukraine: Hanwha TechM (video surveillance system sales)
• Ukraine: Hanwha Q CELLS (sales & marketing)

CHINA

• Beijing: Hanwha China (supporting Hanwha affiliates in China)
• Beijing: Hanwha Advanced Materials (producing auto parts)
• Beijing: Hanwha Advanced Materials (producing auto parts)
• Dongguan: Hanwha TechM, Engineering Plastic (producing plastic film)
• Hangzhou: Sinow-Korea Life (life insurance)
• Hong Kong: Hanwha Corporation (trading)
• Linyi: Hanwha Q CELLS Technology (producing PV modules)
• Ningbo: Hanwha Chemical (producing PVS)
• Qingdao: Hanwha Q CELLS (producing solar cells, modules and R&D)
• Shanghai: Hanwha International (trading)
• Shanghai: Hanwha Chemical (trading)
• Shanghai: Hanwha TechM, Aerial Solutions Trading (proprietary and polycarbonate sales)
• Shanghai: Hanwha Q CELLS (sales)
• Shanghai: Hanwha Advanced Materials (producing auto parts)
• Suzhou: Hanwha TechM (machine tools and power-assembly)
• Taiyuan: Hanwha TechM (producing solar panel systems and sales)

ASIA, MIDDLE EAST, & OCEANIA

• Indonesia: Hanwha Q CELLS (sales & marketing)
• Cambodia: Think Borealis (installation)
• India: Hanwha International (trading)
• India: Hanwha Q CELLS (sales & marketing)
• Indonesia: Hanwha Life (life insurance)
• Japan: Hanwha Q CELLS (sales & marketing)
• Japan: Aomori Gulf (golf club and resort operation)
• Malaysia: Hanwha Chemical (sales & marketing)
• Malaysia: Hanwha Q CELLS (producing solar cells, modules and R&D)
• Saudi Arabia: Hanwha Saudi Contracting (operation support)

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 61 affiliates in South Korea alone and 258 networks around the world (as of May 2017). And as we continue improving quality and innovating to exceed customer expectations, Hanwha will continue to grow beyond today’s interconnected global business environment. This is the Hanwha Group.