“We engage and listen to our customers to create the solutions they trust us to build.”

Seung Taeun Kim
The world has already moved beyond the Fourth Industrial Revolution. It is now heading toward the next industrial revolution. So are we.

At Hanwha, we believe in building trust and strengthening loyalty. Our customers trust us because we’ve earned it over time. In turn, we strengthen our loyalty to the people we serve through contributions to society. Trust and loyalty are in the DNA of every Hanwha employee, motivating us to build for the good of all, amid constant changes and despite them. As a company, our never-ending goal is to improve the lives of everyone we touch. We seek to raise the standards of living and improve the quality of life. We know this is easily said but difficult to attain. And yet, if we persevere, continue to innovate and build for a better tomorrow, the future is ours to imagine.

In 2010, Hanwha’s vision of “Quality Growth 2020” was unveiled. Since then, we have made significant strides toward realizing this vision through our expertise and innovations that have grown exponentially across the company’s core businesses. We’ve established a solid foundation to support a strong global market position—in the midst of economic upheavals and changing trade landscapes around the world. So now, as we look forward to the next generation of advancements and greater qualitative growth, we’re simultaneously preparing for what our accelerating digital transformation and adaptive business models for the Fourth Industrial Revolution will bring.

We are revamping our business infrastructure, intent on improving our business value chains for our customers and creating synergy between our businesses. In 2020, we launched a global chemical, materials and energy company that will lead the global eco-friendly energy market and high-value-added materials industry. And through a strategic reorganization, the company will be able to create a sustainable future through integrations and expansions that focus on innovating energy and materials technologies.
Embracing innovations and pursuing opportunities to build a better future

Our chemical business is leveraging its vertical integration to refine and transform raw materials and basic chemicals into synthetic fuel and advanced materials. We're winning awards along the way but more importantly, we're executing our strategy to use both upstream and downstream production processes to diversify our product portfolios with high-value-added and eco-friendly products. Our heavy investments in R&D will ensure that we become a global eco-friendly company built with industry-leading technologies and solutions. And as we continue to expand production capacity, at the same time, we're maintaining financial stability. In 2021, we will complete our large-scale expansion project, valued at USD 1.3 billion. The successful completion of this project will help us to achieve a competitive edge with regard to high-value-added resin products while also adding to our production capacity for ethylene, the petrochemical industry's base chemical.

Hanwha's vertically integrated solar energy business leads the global market, and we're doing this with our cutting-edge technology and world-class production capacity. We're maintaining the No. 1 market share in the new market for advanced renewable energy across the US, Germany, the UK, and Japan. We are also actively participating in large-scale solar energy projects in the US, Europe, and other countries. And in response to the changing energy market, as evidenced by the dramatic popularity and productions of electric vehicles and distributed power generation, we're increasing our developments efforts across a variety of business models. We're transforming into a leading energy solutions provider for the future by providing solar energy systems, power plant development, and energy for sale.

In aerospace, we're securing large supply contracts with global customers for our advanced solutions that are built to exceed expectations, a testament to our capabilities and success in the industry. In 2019, we signed a supply agreement for USD 1.7 billion worth of aircraft engine parts with Pratt & Whitney, the global aircraft engine manufacturer. Mass production is set for 2022. As a trusted partner with world-class technology and renowned quality in the global aircraft industry, we are participating in a joint international development project to build high-value-added aircraft engines. Moreover, we are aggressively engaging in global mergers and acquisitions. For this purpose, we established Hanwha Aerospace USA in the US, a strategically located hub for global engine manufacturers that will allow access to rich resource pools to further our technological capabilities.
In mechatronics, we're investing in manufacturing innovations and developing logistics automation systems, and Smart Factory solutions for the Fourth Industrial revolution. We are also addressing the anticipated needs of this new era by providing global video security solutions that combine AI algorithms and advanced optical technologies.

In financial services, Hanwha continues to innovate to better address the needs of customers, amidst challenges of an evolving market. Our integrated brand, LIFEPLUS, is pushing the boundaries of financial services with a mission to enrich the lives of our customers. We're using advanced digital technology to further capitalize on Fintech opportunities, while investing in Insurtech-based business models and digital asset management services. In 2020, we launched South Korea's first digital non-life insurer and now are offering a new digital experience that delivers a higher standard of service to our customers. We're investing in digital platforms to strengthen customer service today and build a better set of financial services for the future. We're collaborating with Internet-only banks and fostering Fintech startups to better leverage AI, Big Data, and blockchain technologies to create synergy between financial businesses and advance the financial industry. Our efforts are all aligned to our global growth strategy and we're doing a lot but what drives us is our goal to provide meaningful value-added services.

At Hanwha, we are infusing our many years of experience, expertise, and unique brand value into our affiliate companies in construction and operation & management services to deliver differentiated experiences that cater to evolving lifestyles and residential living. Launched in 2019, our premium residential brand, FORENA, offers customers with a new residential lifestyle and culture. As a real estate developer, this is part of our comprehensive set of solutions that include the building of well-designed cities that provide a new concept of living. Our Multiplex development projects are the convergence of residential, retail, office, commercial, and hotel space. We leverage and build on the foundation designed for sustainable growth. And our growth will depend on how effectively we respond to the needs of our customers for retail and leisure services that support their diversified lifestyles and leisure activities.

And as a conscientious corporate citizen, Hanwha continues to meet its ethical, legal, and economical responsibilities in all of our business practices. We remain committed to our business philosophy that as a business we have a responsibility to do good. This is why we are increasing our social contributions and making efforts to improve our society. We sponsor social events, community activities to promote talent development, culture, the arts, sports, donations, and volunteering. We're also raising awareness on eco-friendly energy in our communities. Our recent response to the recent global pandemic, offering Hanwha Life Park as the first COVID-19 treatment center in Gyeonggi-do, South Korea, is one such example of doing good.

At Hanwha, we’ve remained steadfast to the UN’s Sustainable Development Goals to work together with others to solve global environmental issues. In June 2019, we launched the Clean Up Mekong campaign to help solve the waste problems in the rivers of Vietnam. We donated solar-powered boats for this effort, while raising environmental awareness to prevent climate change. Our Hanwha Solar Forest campaign has also been protecting the environment by planting thousands of trees. To date, we have planted about 500,000 trees in seven locations across South Korea, Mongolia, and China.

But even with all these ideas and opportunities, we believe people are the most important asset. That’s why we’re hiring the best talents and fostering their creativities. And we’re not only building partnerships with large companies but also with small and medium-sized enterprises so we can succeed and achieve together. While investing in talents and partnerships, through the Hanwha Compliance Committee, we’re also aggressively working to maintain strict compliance and the highest standards. This is creating an ethical corporate culture on the inside, and setting an example in fair competition and transparency for others to follow, on the outside.

We continue to face a world full of uncertainties where advancements in digital technology are accelerated by emerging technologies and changing infrastructure. Despite them, we will rise to the challenges and overcome. We will do this through innovation and by doing what others have not. We will take the road less traveled, never losing sight of why or for whom it’s all for—our customers.
At Hanwha, we partner with our customers. We listen first and only then create solutions. And it is from the understanding of our customers with which we create the products and services that are changing how the world works, lives, and plays.
WE SEEK NEW TECHNOLOGIES WITH WHICH 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 that our customers can leverage to push their own limits of what is possible in automotive engineering, solar energy, nanotechnology, and other fields. For example, our breakthrough process for producing the synthetic resin EVA is allowing companies to manufacture solar cells with higher purity, transparency, and efficiency at lower costs.

In the automotive industry, our revolutionary lightweight composite materials are prized for their durability and flexibility—comparable to steel in strength but with up to 25 percent less mass. This means cars can weigh less but perform better. These and other innovations provide greater value for our customers and attract partnership opportunities for Hanwha, worldwide.
PETROCHEMICAL
A Leader
In South Korea
Hanwha continues to be a leading producer in South Korea’s petrochemical sector with total sales of USD 14.58 billion.

ETHYLENE
Petrochemical Powerhouse
Hanwha has an ethylene production capacity of over 3.35 million tons and is rapidly becoming a major player in this important market.
Hanwha has built a world-class ethylene vinyl acetate (EVA) production plant with an annual capacity of 710,000 tons. By adopting new processes and investing in advanced facilities, we are developing high-value products that are helping to further increase our market share.

With a purified terephthalic acid (PTA) production capacity of more than two million tons per year, Hanwha leads the domestic PTA market. As we continue to export our process technology, we are increasingly recognized around the world for technological prowess.

After developing the W&C compound, an innovative polyethylene synthetic resin, for the South Korean market, Hanwha has had a significant impact on the South Korean manufacturers. The development of the W&C compound has allowed South Korean manufacturers to become less dependent on imported resins for power transmission cables and distribution cables.
Hanwha’s StrongLite and SuperLite products now account for 70 percent of the global market in GMT (glass fiber mat-reinforced thermoplastics) and LWRT (low weight reinforced thermoplastics) technologies.

Hanwha’s new battery housing for eco-friendly electric vehicles and hydrogen tank for hydrogen fuel cell vehicles are examples of how Hanwha’s innovative lightweight composite materials are being applied. These products are expected to lead the mobility market and raise the bar for other manufacturers. With cutting-edge products, we are leading the market and becoming a major supplier to global automakers. We are also developing new products with which to enter the battery sensing material market for electric vehicles. By expanding our ultra-high pressure hydrogen tank business, a key component of hydrogen fuel cell vehicles, we are paving the way not just to sustainable growth but to a better future for all.
QUESTIONS

ANSWERS

WE HAVE THE ANSWERS TO THE QUESTIONS YOU HAVE FOR THE FUTURE.
Leading in Innovation and Expertise

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

From here on earth for the skies above, Hanwha is developing world-class products in aerospace and mechatronics to help corporations and governments meet their future needs in manufacturing, commerce, security, and travel. And we continue to pursue technology partnerships with other leading companies and develop solutions that satisfy customers around the globe.
AEROSPACE

USD 20 Billion

Over the past five years, Hanwha Aerospace has secured aerospace contracts worth nearly USD 20 billion by partnering with global aviation engine companies such as Pratt & Whitney, GE, and Rolls-Royce. We also signed an agreement with United Technologies International Corp Asia Pte Ltd. (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.
SECURITY

Innovative Security Solutions

Hanwha Techwin has accumulated over 30 years worth of core technologies in optics design, image processing, and manufacturing. We’ve built on these technologies with continuous technology development to grow rapidly and become South Korea’s No. 1 video security solutions provider. And by leveraging our expertise and experience, we’re on a trajectory to develop the next-generation technologies in deep learning, AI and business intelligence analytics is not only the natural next progression for our company but also, it’s a way for us to increase our presence in the global security market.

MACHINERY

Experience Your Smart Factory

Hanwha has more than 50 years of experience in global mechatronics and we’ve never stopped innovating. Our customers use our technology to improve productivity and efficiency.

ELECTRONICS

Defense Electronics Innovation

By leveraging our strategic alliances and building unique technologies in command, control, communications, computer, and intelligence (C4I), Hanwha Systems is bringing innovative solutions to global markets.
WE INVEST IN THE POWER OF TOMORROW SO YOU CAN MEET THE ENERGY DEMANDS OF TODAY.
With superior quality solar products and services that have incorporated world-class technology, Hanwha has rapidly become one of the most trusted names in the global solar industry. We are at the forefront of innovation in the solar energy sector, with sustainable products and solutions custom-designed to address the global energy challenges of today and tomorrow.
Hanwha Solutions’ proprietary Q.ANTUM solar cells significantly reduce energy consumption by utilizing Passivated Emitter Rear Contact (PERC) architecture. In 2015, the company achieved a record-breaking 19.3 percent efficiency rating with its multicrystalline solar module, the first module of its kind for the 4 consecutive years, in 2019, DNV GL, the world’s largest classification society, rated one of our key products like the Q.ANTUM a “Top Performer”. By the end of 2018, Hanwha Solutions had succeeded in mass-producing 15GW of Q.ANTUM solar cells. Our high-end technology is recognized around the world and has won the Top Brand PV Seal 2020 from EuPD Research 7 consecutive years in Europe and 5 consecutive years in Australia.

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.

Power plant using Hanwha solar modules in North Carolina, USA
In 2015, Hanwha Solutions signed what was at the time the largest single contract in the solar industry. The agreement was with the US company, NextEra Energy Resources, to provide more than 1.5GW of solar modules.

Hanwha Solutions is the market share leader among all global manufacturers in Japan and the US (residential and commercial markets). We have achieved the biggest market share in Germany, and the UK. We're leading the charge in green growth and sustainable development to reduce poverty, create jobs and advance the synergy between the environment and economy for generations to come.

Hanwha Solutions is a world-class leader in solar module manufacturing with an annual module production capacity of 11.3GW. (as of December 2020)
INNOVATE

SECURE

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 individuals and institutional customers by continuously adapting to today’s rapidly changing financial landscapes and providing financial solutions that give customers the freedom to pursue their dreams. 
A New Milestone

Seventy years after being established as South Korea's first life insurance company, Hanwha Life has reached a new milestone with USD 86.4 billion (KRW 100 trillion) in total assets. In 2019, we grew and achieved new heights to lead the industry with USD 104 billion in total assets. We've maintained a sound financial structure since 2010, when we were first recognized as a major domestic insurer in the securities market. Hanwha Life is achieving industry-leading value in asset management, on-site sales competitiveness, and product development capabilities.
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.
Hanwha’s financial business is accelerating its entry into the pan-Asian market, across the US, Vietnam, China, Indonesia and Singapore. We’re leveraging our diversified global financial business portfolio including life insurance, securities, and asset management. We will also continue to strengthen our future growth engines as we advance into the digital financial market while providing financial solutions that match the lifestyle of our local customers.
We imagine distinctive experiences to help you realize your dreams.
From first-class shopping experiences to luxury hotels and resort stays, 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 the company as a respected leader in the leisure and lifestyle industry.

Services & Leisure

Hanwha Hotels & Resorts

Hanwha Galleria

Hanwha Station Development

Commercial Development, Property Management

Comprehensive Real Estate Services

Hanwha Fashion

Hanwha Real Estate

Hanwha Station Development
Retail

Premium Contents Producer

The Galleria is Korea’s first and foremost premium department store chain. These stores represent Hanwha’s commitment to providing differentiated customer experiences by incorporating timely lifestyle consumer trends into its offerings. As a premium provider in retail, we develop luxury brands, food and beverages, VIP services, and new platforms for both offline and online stores.
HOTELS
One of A Kind

THE PLAZA is South Korea’s most luxurious boutique hotel and considered one of the finest properties in the region. This 5-star hotel is centrally located in the heart of Seoul, amidst a myriad of tourist attractions and a bustling nightlife. THE PLAZA boasts 408 rooms and over 20,000 square feet of event space. It’s impressive in size but it is in its refined design, impeccable service, and premium accommodations that we take pride.

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

AQUARIUMS
Leader in Maritime Culture

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

RESORTS
Luxury At Its Best

Launched in 2018, Hanwha Hotels & Resorts’ Hanwha Belvedere is an upscale beachfront resort complex that offers its guests a holistic experience—where wellness and wellbeing are taken to a whole new level. Nestled between a lush coastal mountaintop and an idyllic sea, the Belvedere is the ultimate destination where nature meets luxury. There are 425 rooms, each with breathtaking views overlooking the ocean. Guests can luxuriate in amenities from fine dining and nature immersion programs to aquatic activities including yachting. The Belvedere’s single purpose is to help guests connect with nature so you can unwind, rejuvenate, and enjoy life as it was meant to be.
WE ENVISION POSSIBILITIES SO YOU CAN ACHIEVE YOUR GOALS.
Hanwha partners with customers to understand their needs and goals. Our deep level of engagement enables us to truly envision before we build and exceed customer expectations after we do. From spectacular performance venues to cutting-edge manufacturing facilities to affordable housing that brings families and communities together, Hanwha is helping to enrich the lives of millions worldwide.

Imaginations to Possibilities

Hanwha Engineering & Construction 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.

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**CITY DEVELOPMENT**

Development of high-tech industrial complex.

**HOUSING**

Apartments
Luxury condominiums
Residential & commercial complexes

**BUILDING WORKS**

Business facilities
Commercial facilities
Leisure & medical facilities
Stations & terminals

**PLANTS**

Petrochemical & refinery plants
Environmental & industrial plants
Renewable energy

**GLOBAL CONSTRUCTION LEADERSHIP**

Civil Works
Expressways
Roads & bridges
Tunnels & ports
Water & sewage facilities

**HOUSING**

Apartments
Luxury condominiums
Residential & commercial complexes

**BUILDING WORKS**

Business facilities
Commercial facilities
Leisure & medical facilities
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Hanwha’s Bismayah New City Project is the unprecedented effort to build an entire city covering nearly 60 city blocks and including over 830 apartment complexes totaling more than 100,000 units. The Bismayah New City Project is the largest construction project in the history of the Middle East by a South Korean company. And recently, we secured another contract worth USD 2.1 billion to build the social infrastructure for Bismayah city. This pushes the total value of the project to more than USD 10 billion.
Turnkey Solutions

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

World’s Largest Dome Arena

Hanwha Engineering & Construction is constructing buildings that are expressions of creativity and innovation. One of them in the Philippines has even become a landmark. The Philippines Arena, built by Hanwha, is an outstanding example of creative architecture that uses a design motif inspired by ancient arenas. It is the world’s largest domed performance hall.

Multiplex Development Project

Hanwha Hotels & Resorts and Hanwha Galleria are partnering to build a tourism & leisure infrastructure and it will support a multiplex that includes a hotel, a department store, and an aquarium. The addition of this multiplex coupled with Hanwha’s engineering and construction expertise will bring the visually stunning Suwon Gwanggyo Convention Center to life.
Our vision is to touch the lives of every individual in every country in which we operate. We want to elevate the quality of life with our innovations and solutions. And to achieve our vision, we’ve set goals to help us lead in all markets our businesses compete in. Anticipating change, innovating, and investing in future technologies and infrastructure are at the forefront of our agenda for each of our businesses. At the same time, we remain steadfast in our commitment to help our customers grow with us with the products we build for them. After all, our commitment is to our customers, employees, and to the world in which we live.

Our Spirit & Core Values

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

Our Core Values

· We believe in challenging the status quo in the pursuit of excellence through change and innovation.
· We are dedicated to our company, customers, and one another to achieve a greater goal.
· We believe in acting with integrity in everything we do, as individuals and employees.
After our founding in 1952, Hanwha has grown into a Fortune Global 500 company. Our business expertise and synergies in manufacturing & construction, finance, and services & leisure have made us the 7th largest business enterprise in South Korea. And by quickly anticipating and responding to changing market conditions, we’ve led the industry with world-class capabilities. Our focus, 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.
Founding a Business 1952–1963

Business Expansions 1964–1980


Milestones

RESTORING A NATION’S ECONOMY

After the Korean War, Hanwha played a critical role in reconstructing our devastated nation. In 1952, Korea Explosives Co. (now Hanwha Corporation) produced industrial explosives desperately needed for the reconstruction of our country’s infrastructure. The company succeeded in producing nitroglycerin in 1959 and became one of the key industries that could accelerate the modernization of our nation. In the mid-1960s, we established the Korea Heavy Industry Co. (now Hanwha Solutions) and entered the petrochemical business. After launching Kyong-In Energy in 1989, we established the flat-rolled steel business in 1971 (now Hanwha Corporation’ Machinery). We sharpened our competitiveness in the machinery business by acquiring Inshan Bearing Industrial. And in 1972, we continued to advance South Korea’s industrialization by constructing Kyong-In Energy’s refining and power plant.

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 Heavy Industry Co. (now Hanwha Solutions) and entered the petrochemical business. After launching Kyong-In Energy in 1989, we established the flat-rolled steel business in 1971 (now Hanwha Corporation’ Machinery). We sharpened our competitiveness in the machinery business by acquiring Inshan Bearing Industrial. And in 1972, we continued to advance South Korea’s industrialization by constructing Kyong-In Energy’s refining and power plant.

STRATEGIC DIVERSIFICATION

When the Korean War ended, 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 petrochemical business by acquiring Hanwha Chemicals and Dow Chemical Korea. He quickly turned the failing business into a global powerhouse (now called Hanwha Solutions). We moved forward with faith in our spirit of trust and loyalty. We sought new opportunities and began acquisitions. One of them was Korea Life Insurance in 2002, a business that we have since grown steadily to make it the second largest life insurance carrier in South Korea with assets of USD 104 billion in 2019. We emerged from the financial crisis without a single labor dispute and were heralded as a role model for other South Korean corporations to follow.

BUILDING MOMENTUM 1996–1999

Restructuring for the New Century

During the late 1990s, as the Asian financial crisis threatened our reputation, Hanwha began adapting to global expansion with diversification in its businesses and building goodwill in the international community by selling profitable affiliates, making strategic investments, repositioning our products, and moving forward with faith in our spirit of trust and loyalty. We sought new opportunities and began acquisitions. One of them was Korea Life Insurance in 2002, a business that we have since grown steadily to make it the second largest life insurance company in South Korea with assets of USD 104 billion in 2019. We emerged from the financial crisis without a single labor dispute and were heralded as a role model for other South Korean corporations to follow.

ACCELERATING GLOBAL BUSINESS 2007–Present

Emerging as a Global Leader

At the turn of the 21st century, Hanwha began accelerating its global expansion by diversifying its businesses and building goodwill in the international community. Hanwha Solutions acquired Q CELLS, a world-class solar cell producer, in 2008 that led to another acquisition—an Indian solar water heater company in 2011. Recently, the company entered the fintech sector to capitalize on new opportunities that could provide greater financial security to people worldwide. Solarfun Power, a solar panel producer, and Q CELLS, were acquired in 2010 and 2012, respectively, paving the way for Hanwha to join the ranks of the world’s top solar cell producers. In 2015, Hanwha Glovis became the market leader in the US residential and commercial markets. Germany, the UK, and Japan. Our progress and success reflect our efforts and focus to strengthen our global competitiveness and adopt preemptive technologies.
Financial Highlights

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

- Figures for sales and total assets of individual affiliate companies published on page 75 and subsequent pages of this brochure are data officially announced by the financial supervision service.

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

- Sales are converted into US dollars at the average exchange rate of USD 1 = KRW 1,100.30 in 2018, and KRW 1,165.65 in 2019.
- Assets, liabilities, and shareholder equity amounts are converted into US dollars at the December 31 closing exchange rate of USD 1 = KRW 1,118.10 in 2018, and KRW 1,157.80 in 2019.
- The 2019 expectancy data was converted based on Hanwha Group’s internal exchange rate of USD 1 = KRW 1,133.
Manufacturing & Construction

Hanwha Corporation
Hanwha Aerospace
Hanwha Defense
Hanwha Systems
Hanwha Techwin
Hanwha Precision Machinery
Hanwha Power Systems
Hanwha Solutions
Hanwha General Chemical
Hanwha Total Petrochemical

YEDOHUN NO2
Hanwha Energy
Hanwha Engineering & Construction
Hanwha City Development
Hanwha Corporation: the parent company of the Hanwha Group, is a global manufacturing and trading company that has directly contributed to the growth of South Korea’s economy. There are 4 divisions under the Hanwha Corporation: Explosives, Defense, Trade, and Machinery.

Hanwha Corporation was founded in 1952 as Korea Explosives company, quickly becoming the leader in explosives and, in effect, creating the industry itself in South Korea. The company has since grown into a global manufacturing and trading company operating in four business areas—explosives, defense, trading, and machinery.

In 1993, Hanwha had become the first domestic manufacturer of dynamite in South Korea. After having successfully developed safer, high-quality industrial explosives and inflating systems, we have been able to supply the South Korean government with the much-needed safety and infrastructure.

We entered the defense industry in 1974 and our Explosives & Defense Division quickly became instrumental in the development of South Korea’s military defense. We provided the South Korean military with manufactured precision-guided munitions, advanced ammunition, navigation systems, and advanced factory and warehouse automation equipment.

Since entering the mining services market in 2014 and since then, we’ve quickly established ourselves in Indonesia and Australia with high-quality products and services. Then in 2015, we acquired the Australian mining service company LIFE and by rising our high-quality products competitively, we were able to accelerate our market expansion. That same year, we completed our full vertical integration of nitrate and ammonium nitrate industrial explosives by acquiring production lines that included everything from prilled ammonium nitrate to electronic detonators. Our expanded portfolio of products and focus on meeting the needs of our customers have enabled us to expand further into other major markets across the globe. In parallel, while continuing our innovations and developing high-value-added technologies, through large mergers and acquisitions, we further increased our business footprint to include self-propeled guns and engines for aircraft and fleets, effectively entering the aerospace business. We then heavily invested in defense electronics such as radar and combat systems. By 2016, we became very competitive as a manufacturer of navigation systems and lasers—the core technologies of the future weapon system. These are our new growth engines.

Today, Hanwha’s Explosives & Defense Division continues to apply its extensive experience and explosive technology to expand into new explosives materials, explosives manufacturing, and explosives applications.

Our work to bring the level of the South Korean defense industry to the Fourth Industrial Revolution era has been quickly becoming instrumental in the development of new high-value-added defense equipment. Through large mergers and acquisitions, we further increased our business footprint to include self-propelled guns and engines for aircraft and fleets, effectively entering the aerospace business. We then heavily invested in defense electronics such as radar and combat systems. By 2016, we became very competitive as a manufacturer of navigation systems and lasers—the core technologies of the future weapon system. These are our new growth engines.

Hanwha’s Defense Division is leading the logistics automation technology industry using advanced factory and warehouse automation technology that we’ve been working on for the last 45 years. Our automation business is stronger than ever. We successfully completed the world’s first system to automate the entire process in the production. We are also innovating and making great strides in production logistics by building Smart Factories that combine highly automated assets with Industry 4.0 technologies.

We’re set to lead company globally and confident we can because along with the highly advanced technologies, we have the people and talent to do so. Established in 1953, our Machinery Division is currently leveraging its deep experience and cutting-edge technology to lead the machinery equipment industry worldwide. We produce high-value-added machinery equipment with a focus on heat treatment, factory automation, and evaporation processing.

Our Machinery Division is leading the logistics automation technology industry using advanced factory and warehouse automation technology that we’ve been working on for the last 45 years. Our automation business is stronger than ever. We successfully completed the world’s first system to automate the entire process in the production. We are also innovating and making great strides in production logistics by building Smart Factories that combine highly automated assets with Industry 4.0 technologies.

And with our technology and ability to build quality, we’ve been able to successfully sequenced into producing high-quality solar cells and modules in our world-class manufacturing facilities. We’re already recognized in solar power equipment manufacturing in markets across the globe. 90th continuous R&D and innovations, Hanwha Corporation/Machinery will not only be a global leader in machinery equipment but a total engineering solutions provider.

Hanwha Corporation provides solar energy service with 38 solar power stations, one of the world’s largest photovoltaic manufacturers, recognized for its high-quality, high-efficiency solar cells and modules.
Hanwha Aerospace
www.hanwha.aerospace.com

EXPERTISE
Gas turbine engines, engine components, aircraft components

2019 Total Sales
4,516 USD million
2019 Total Assets
7,522 USD million

Hanwha Aerospace is the only aircraft engine producer in South Korea and trusted in the global market for our original application technologies. In 1977, Hanwha Aerospace began building businesses in the aircraft engine and film camera industry. Since then, we’ve aggressively invested in research to develop our technologies in optics, video, and military aircraft engines. We’ve then expanded into aircraft components and commercial engine business. To evolve as we have, we’ve had to successfully develop top-tier and original application technologies that gave us the competitive edge needed for our businesses around the globe. As our technologies advanced, we did our expert and our ability to not only meet the changing market demands but also anticipate them.

As South Korea’s only manufacturer of gas turbine engines for the last 40 years, we have been in a fortunate position to capitalize on all the opportunities to build a powerful business in aerospace. We now provide a range of aircraft components and gas turbine engine solutions that our nation needs and those that are also desired by markets all over the world. In 2015, we began a partnership with UGS, a company in Turkey, to export aerospace parts. In the same year, our aerospace maintenance business also signed a memorandum of understanding with GE. In 2016, we became a trusted partner in the global aircraft industry when we entered a contract with the United States Pratt & Whitney to operate a joint venture with Singaporean manufacturing company. Our partnership with Pratt & Whitney is a Risk and Revenue Sharing Partnership (RSP) to co-build the next-generation engine that withstands the standard for the global defense industry. To avoid selection of second-tier or renowned products including artillery systems, armored vehicles with outstanding mobility and adaptability, defense systems with state-of-the-art technology, unmanned ground systems utilizing technological innovations, deliver optimal results designed for the future battlefield.

Hanwha Defense
www.hanwha-defense.com

EXPERTISE
Artillery systems, armored vehicles, air defense systems, unmanned ground systems.

2019 Total Sales
1,255 USD million
2019 Total Assets
1,612 USD million

Hanwha Defense is expanding its global business and is establishing itself as a total defense solutions provider with stronger competitive offerings that include artillery systems, armored vehicles, air defense systems, and unmanned ground systems.

By applying its extensive knowledge, experience, and technological capabilities, Hanwha Defense has been able to develop the world’s leading weapon systems portfolio that can excel in almost any dimension of warfare. Hanwha Defense’s weapon systems have set the standard for the global defense industry. To avoid selection of second-tier or renowned products including artillery systems, armored vehicles with outstanding mobility and adaptability, defense systems with state-of-the-art technology, unmanned ground systems utilizing technological innovations, deliver optimal results designed for the future battlefield.

Hanwha Defense has successfully entered the global market, a capability on all the opportunities to build a powerful business in aerospace. We now provide a range of aircraft components and gas turbine engine solutions that our nation needs and those that are also desired by markets all over the world. In 2015, we began a partnership with UGS, a company in Turkey, to export aerospace parts. In the same year, our aerospace maintenance business also signed a memorandum of understanding with GE. In 2016, we became a trusted partner in the global aircraft industry when we entered a contract with the United States Pratt & Whitney to operate a joint venture with Singaporean manufacturing company. Our partnership with Pratt & Whitney is a Risk and Revenue Sharing Partnership (RSP) to co-build the next-generation engine that withstands the standard for the global defense industry. To avoid selection of second-tier or renowned products including artillery systems, armored vehicles with outstanding mobility and adaptability, defense systems with state-of-the-art technology, unmanned ground systems utilizing technological innovations, deliver optimal results designed for the future battlefield.

Hanwha Defense is poised to become the market leader: possessing a comprehensive set of defense solutions.
Converging defense ICT and information infrastructure is part of Hanwha System's deep efforts to bring the fourth industrial revolution to the public and private sectors, including the military.

Hanwha Systems is a guiding light for the future defense industry. With the firm’s deep knowledge and experience in systems integration, management, and development, Hanwha Systems is driving forward with cutting-edge technologies. The firm’s offerings include cutting-edge technology partnerships with leading companies to develop comprehensive solutions that can operate in any environment.

Our defense and reconnaissance systems that we developed for South Korea’s national defense include the thermal observation device (TED), electro-optic tracking system (EOTS), infrared detection tracking equipment, and multi-functional observation scopes.

Hanwha Systems’ cutting-edge technology makes significant improvements to radars like the S/KR, multifunction radar, and I/BG multifunction radar. At the same time, we are developing new radars to our portfolio like the P/R X-Band. We are providing high-quality products and services to our clients.

Our ICT Division operates a cloud-based Big Data center that provides data analysis. And with the company’s smart factories powered by IoT and Big Data technologies, we have developed capabilities to improve productivity, predictability, quality, and processes for our companies and clients.

Established in 1990, Hanwha Techwin is a renowned global security company, provides optimized security solutions across a range of areas—including residential, urban, and commercial facilities—with its world-class image-processing technology. Established in 1990, Hanwha Techwin's advanced optical design, manufacturing, and image-processing technology have made it a global leader in video surveillance. With its strong presence in the Americas, the Middle East, and Asia. The strength and breadth of our networks affords us the ability to market and sell our products directly to our customers.

Incorporating the next generation of technologies, such as deep learning, AI, and business intelligence, is at the core of what Hanwha Techwin is doing to ensure our portfolio of security solutions will catalyze the future of the Fourth Industrial Revolution. We are becoming a global security solutions provider with industry-leading cybersecurity technology that offers customers the highest level of confidence and satisfaction.

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We are using state-of-the-art aerospace technology to develop South Korea’s first synthetic aperture radar (SAR) for military reconnaissance satellites and an active electronically scanned array (AESA) radar for the next generation South Korean fighter F-X. We are also developing core avionic electronics for fixed wing, rotary wing, and unmanned systems.

Our surveillance and reconnaissance systems that we developed for South Korea’s national defense include the thermal observation device (TED), electro-optic tracking system (EOTS), infrared detection tracking equipment, and multi-functional observation scopes.

Hanwha Systems has significantly advanced the defense capabilities of South Korea’s military. The knowledge we’ve gained from working with the South Korean military and the 40+ years of developing systems used globally is being used to develop advanced systems for surveillance, reconnaissance, control, communications, computer, and intelligence (C4I) in the public and private sectors.

We design and produce next-generation tactical information communication networks (TICN) using these technologies and next-generation satellite communications systems. We are South Korea’s Navy’s sole supplier for their naval combat management system. Our proprietary technology is at the heart of their enhanced combat systems and integrated solutions for sensors and systems.

Our strategy is to lead the future defense industry by improving our technical capabilities and building strong relationships with key partners who are leading in the Internet of Things (IoT) and Artificial Intelligence (AI).

Our seven customer service centers across the nation provide product support for weapons systems operations.

Hanwha Systems is a global technology leader in advanced surveillance systems. Our integrated logistics support (ILS) with timely customer support, guarantees.

Hanwha Systems and Hanwha Techwin have developed smart technologies in video surveillance systems that offer customers the highest level of confidence and satisfaction.

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Hanwha Precision Machinery
www.hanwhaprecisionmachinery.com

EXPERTISE
Chip mounters, screen printers, semiconductors, machine tools.

2019 Total Sales
309

2019 Total Assets
217

Indigenous Made

Hanwha Precision Machinery is a South Korea based company with extensive experience in the semiconductor industry. The company offers a wide range of products and services, including chip mounters, screen printers, and semiconductor equipment. Hanwha Precision Machinery is known for its commitment to innovation and its ability to overcome the toughest challenges.

The company's high-speed mounter HM520 is a prime example of its expertise. This machine is built by assembling the world's first multitasking automatic lathes and konb type lathes. Our machine tools are custom built to meet customer feature requirements and production lines—they're allowed to capture the largest market share in CNC automatic lathes in South Korea. Our solutions include the TMT machine tools, and machine tools, and that's some of our products. We see this as developing our technology. Our success is built on the understanding of market needs and the ability to provide the most effective solutions.

After developing the first Surface Mount Technology (SMT) chip mounter in 1989, Hanwha Precision Machinery has become a leadership worldwide. It's a step forward with unmanned, continuous, modular system with our state-of-the-art high-speed mounter HM520. DECAN series has continuously evolved. It is now a high-speed mounter that is part of our Smart Factory's performance. In addition, our newly developed high-speed mounter HM320 boasts world-class productivity and is recognized by global customers for its modular head and various production modes.

Hanwha Precision Machinery's T-Solution is a comprehensive SMT production line solution designed for Smart Factories. It connects all parts in a production line and utilizes Big Data analysis to provide seamless operations, better quality control, and the ability to operate remotely. T-Solution, recently launched, embodies the principles of Industry 4.0 in terms of interoperability, connectivity, and autonomy. It yields higher production efficiencies, greater installation accuracies, zero defects, and lower maintenance costs.

We've been in the machinery business for over 50 years and, in that time, continuously built up our expertise and improved our technology. Our success continues to be driven by the high-performance and innovation of our machines. Business that commands a technical advancement benefits from producing the world's first multitasking automatic lathes and konb type lathes. Our machine tools are custom built to meet customer feature requirements and production lines—they're allowed to capture the largest market share in CNC automatic lathes in South Korea.

As a result, we succeed. We do this because ultimately, as partners, our success is the key to our customers' success.

In the petrochemical process, our compressor is a state-of-the-art tokamak that bins the capability of both a compressor and an expander. Hanwha Power Syestems' compressor represents the leading expertise in turbo compressor and turbo expander technology.

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Hanwha Power Systems
www.hanwhapowersystems.com

EXPERTISE
Industrial air and gas compressors, gas turbines, power generation systems

2019 Total Sales
195

2019 Total Assets
214

Hanwha Power Systems is in the global energy equipment company in South Korea with independent design, production, and testing capabilities. The diversity, quality and the advanced technology of our products have provided the highest value to our customers around the world.

After its establishment in 1977, Hanwha Power Systems launched its energy equipment business in 1991 on the strength of reliable technology and deep experience in gas turbine engines. Since then, we've become a global powerhouse and have delivered more than 5,000 units of gas and compressors worldwide. Using advanced technology, we develop high-value-added products. Our product lines include industrial air compressors, fuel gas compressors for power plants, and boil-off gas compressors for LNG terminals and plants. We won the contract to supply the world's first marine Vapor Recovery Unit (VRU) steam recovery turbo compressor. We also have provided compressors for Floating Storage Regasification Units (FSRU) and LNG carriers. These machines allowed us to demonstrate our outstanding technology in the global market.

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Hanwha Solutions was formed in 2020 with the merger of Hanwha Chemical, Hanwha Q CELLS, and Hanwha Advanced Materials. We aim to drive sustainable solutions for the planet through smart energy solutions and customer-focused materials. We are committed to enhancing the future with sustainable solutions for x, from energy to materials.

Established in 1965, Chemical Division is a total solutions chemical company with streamlined production systems to offer Polyvinylidene fluoride (PVDF), Polyvinyl chloride (PVC), Chlor-Alkali (CA), Polyolefin (PO), Polyethylene (PE), dicyclopentadiene (DCPD) hydrogenated petroleum resin annually. Hanwha partnered with three universities in satellite centers such as the Institute of Chemical Process at Seoul National University, Yonsei-Hanwha Chemical Innovation Technology Center, and the KIST. Hanwha Chemical Innovation Technology Research Center. It was a significant step forward in our commitment to making quality a top priority while accelerating the pace of innovation to develop high-value-added and eco-friendly products.

In 2016, through a strategic acquisition of Hanwha Fine Chemical company, we were able to achieve maximum synergy in production processing of CA and vinyl chloride monomer (VCM) while enhancing our production efficiencies such that we can provide customers with high-quality products. Our facilities at our Chemical Division are deployed advanced technologies that produce high-value-added products, such as ECO QHM®, an eco-friendly premium plasticizer, while developing DOCPV® annually. We also expanded our line of specialty products. In 2019, our entry into the high-quality adhesives market was led by the construction of a plant and commercial production. The new plant could produce up to 10,000 tons of double-bonded (DCP) hydrogenated petroleum resin annually. Hanwha partnered with three universities to set up centers such as the Institute of Chemical Process at Seoul National University, Yonsei-Hanwha Chemical Innovation Technology Center, and the KIST. Hanwha Chemical Innovation Technology Research Center. It was a significant step forward in our commitment to making quality a top priority while accelerating the pace of innovation to develop high-value-added and eco-friendly products.

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In 2012, we successfully commercialized high-density ethylene vinyl acetate (EVA) for the first time in South Korea. Just four years later, we successfully produced chlorinated polyvinyl chloride (CPVC), enabling us to target China’s PVC market with outstanding quality and value.

The outstanding quality control capabilities of Hanwha, Atofina, UBE, and Tudor demonstrate how Q CELLS Division’s global R&D can successfully leverage a variety of solar technologies.

Hanwha Solutions
www.hanwhasolutions.com

EXPERTISE
Chemicals: PE, PVC, CA, TDI
Q CELLS: Solar cells & modules, energy systems, downstream solutions, energy retail
Advanced Materials: Automotive materials, electronics materials, solar materials

2019 Total Sales
Hanwha Solutions
3,025
Q CELLS Division
3,050
Advanced Materials Division
693

2019 Total Assets
Hanwha Solutions
7,453
Q CELLS Division
7,780
Advanced Materials Division
1,212

Sales numbers above are based on Hanwha Solutions’ consolidated financial statements, which exclude some of performance Joint ventures. Hanwha Q CELLS and Advanced Materials Division

Hanwha Chemical Division’s Ningbo PVC plant in in 2011, in partners with three universities to set up centers such as the Institute of Chemical Process at Seoul National University, Yonsei-Hanwha Chemical Innovation Technology Center, and the KIST. Hanwha Chemical Innovation Technology Research Center. It was a significant step forward in our commitment to making quality a top priority while accelerating the pace of innovation to develop high-value-added and eco-friendly products.

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Founded in 1965, our Advanced Materials Division has developed an innovative line of environmentally conscious products and technologies that meet the needs of our customers around the world. We developed local production plants and R&D centers in South Korea, the US, Europe, and China. Our global sales continue to rise.

Since entering the automotive materials business in 1986, we have launched a diverse portfolio of products for automobile structures and interiors. We now leverage original technologies to build high-strength, super-lightweight materials and parts. Among the materials we produce are: StrongLite—Glass Fiber Reinforced Thermoplastic (GFRTP), SuperLite—Low Weight Reinforced Thermoplastics (LWRT), Expanded Polypropylene (EPP), Sheet Molding Compound (SMC), Long Fiber Reinforced Thermoplastics (LFT), Continuous Fiber Reinforced Thermoplastics (CFRTP), and Ultra High Pressure hydrogen Tanks. Advanced Material Division maintains the world’s largest market share for StrongLite and SuperLite materials captured the highest market shares globally, in their respective categories.

Currently, there is a global trend toward lightweight automotive parts. Advanced Materials Division anticipated this and its why we had strengthened our investments in R&D years ago so that we could lead in the changing industry. We have been focusing our research on thermoplastic, thermosetting composite materials, and on designing and developing new applications. We’ve also been developing new materials and manufacturing methods, offering improved functionality and innovative features that represent the latest technologies in the market. We are actively tracking paradigm shifts in the automotive market, evident in the emergence of smart cars and electric vehicles. While keeping pace with this rapidly expanding electric vehicle market, we are exploring opportunities for manufacturing battery cases for electric vehicles. We’ve helped to commercialize our hydrogen fuel cell technology by developing a hydrogen tank that uses an ultra-light composite material made of carbon fiber to withstand high-strength pressure. We are also developing future mobility markets, such as eco-friendly automotive vehicles, hydrogen powered ships, personal air vehicles (PAVs), and personal air vehicles. We are especially competitive in the high-functional film market. Currently, we produce components for Flexible Printed Circuit Boards (FPCB), such as coverlay film (insulation film), 3-layer Flexible-Copper Grid Laminate (FCCL), bonding sheet (adhesive sheet), and Electro-Magnetic (EMI) shielding film. Furthermore, we are actively responding to the SiC market by successfully developing silicon carbide materials for microcircuit patterns, such as low-dielectric materials and OLED displays. And we are expanding into manufacturing materials used in automotive electronics and electronic battery sensors for electric vehicles.

Hanhwa General Chemical
hgc.hanwha.com

EXPERTISE
FPA, PV Business

2019 Total Sales
In USD million.
1,404

2019 Total Assets
In USD million.
3,080

Hanhwa General Chemical was the first company in South Korea to localize production of purified terephthalic acid (PTA). We’re maintaining our No. 1 domestic market share while exporting our process technology to enter into new businesses.

Hanhwa General Chemical was established in 1974 before being acquired by the Hanwha Group in 2015. It was the first company in South Korea to localize production of purified terephthalic acid (PTA), a primary component in many types of polyester. PTA is used in clothing, industrial fibers, films, and paint. The applications for PTA are expanding dramatically. Today, our annual PTA production of two million tons makes us No. 1 in both production capacity and market share in South Korea. Our experience and carbon fiber-reinforced polyester plastic hybrids that represent the latest technologies in this market. We are also focusing our research on designing and developing new applications. We’ve also been developing new materials and manufacturing methods, offering improved functionality and innovative features that represent the latest technologies in the market.

Hanhwa Group

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Hanwha Total Petrochemical is a comprehensive chemical and energy company that produces high-value-added chemical and energy products. We have a proven track record of generating stable business results through product innovations, strategic diversified investments, and economics of scale. We have earned South Korea’s World Class Products designation five years in a row. We continue to dominate our market because of our high quality and innovations.

Since its founding in 1988, Hanwha Total Petrochemical has led the growth of the petrochemical business in South Korea through technological innovations and by executing its market expansion strategy successfully. In 2003, Hanwha Total Petrochemical set out to build a foundation to become a global chemical and energy company. The company executed this plan by forming a joint venture with the Total Group, a major French company in the energy and chemical industry. Since then and after becoming a Hanwha affiliate, Hanwha Total Petrochemical has exhibited solid financial performances.

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

We are the only company in South Korea that operates a naphtha-cracking unit to refine the final products. The efficiency we’ve achieved with this system allows us to diversify our business portfolio and pursue sustainable growth. In 2015, after reorganizing our refining business with the South Korean Ministry of Trade, Industry & Energy (MOTIE), we began as a full-fledged energy business. In 2014, we made the biggest investment since establishing the business by building an additional aromatics plant, a condensate fractionation unit, and an ethylene- vinyl acetate (EVA) plant. With the additional production facilities, we now produce 1.40 million tons of ethylene, 2.0 million tons of paraxylene, and 1.16 million tons of styrene monomer annually.

We have the No. 1 market share in numerous markets. EVA used in solar cells, HDPE used in bottle caps, and EVA used in extrusion coating. Our monomer, polypropylene (HMPP), used in automotive composite materials, high isotactic polypropylene (HIPP) used in electronics applications, and protective polystyrene films for display products. These products have been recognized as World Class Products by MOTIE. We attribute our success, not only to the vertical system we employ and our product diversifications, but also to the vast and global network of the Hanwha Group.

Hanwha Total Petrochemical is the leader in naphtha cracking, and we produce ethylene, propylene, and other petrochemical feedstocks. This state-of-the-art facility gives our company a competitive edge in petrochemicals.

Although our production facilities are already technologically advanced with large-scale production capacities, we’re continuously making improvements. We attribute our improvements and growth each year to loyal customers, the use of a sophisticated management system, and a sound financial structure. Additionally, our professional and highly skilled employees effectively combine industry expertise with cutting-edge technology, help making our workforce a key differentiator.

Supported by steady flows of investments, product specialization, facility expansion, and business focus, we are one of the top naphtha cracking Center (NCC) companies in the world backed by an extensive global network. We continue to expand our footprint. We see, however, focused on and as we continue our efforts to improve our capabilities, our expansion will take us across the globe.
Hanwha Energy

Starting with its cogeneration business back in 2007, Hanwha Energy has diversified its business portfolio—including solar power, ESS, and LNG—to transform into an energy retail business offering a comprehensive set of energy solutions. Our advanced technology at the core of this is the means by which we can develop eco-friendly, highly efficient global energy markets through a forward-looking, global energy paradigm.

Hanwha Energy is a comprehensive energy solutions company. We operate cogeneration plants to provide a stable supply of high-quality electricity and ultra-high pressure steam to companies in South Korea. By providing readily available power, our plants improve the competitiveness and advantage of our clients. Our energy solutions consistently comply with South Korean government requirements for energy efficiency and greenhouse gas emissions reduction. Our relentless pursuit to improve our technology, as well as our existing solutions and at the same time, work new ones, is to build sustainable growth. We are developing our energy business and building businesses overseas in solar power generation, energy storage system (ESS), operation & maintenance (O&M) business, system solutions, energy retail, O&M business and more. At Hanwha Energy, we also operate solar power plants in the US, Mexico, Japan, Vietnam, Turkey, and Italy. More solar power plants are being built in Malaysia and Japan. We are also developing solar projects in the Americas and Australia. In June 2022, we successfully launched and operationalized our energy retail business in Houston, the US. In February 2022, we also began our retail business in Australia.

We provide a cloud-based integrated control system for the efficiently O&M of solar power plants. Our integrated platforms and solutions are applied across our ultra-high pressure solar power plants, ESS, and abroad. We also developed a platform to support small-scaled distributed energy sources, which has been applied overseas in Australia. Our O&M business has helped businesses manage and improve plant performance and deliver scalable growth of customer assets.

In addition, we are expanding our energy system solutions with our smart energy business model. We already built a 152MW ESS and currently building a 439MW solar energy-connected ESS in South Korea. In Ireland, we also operate a 128MW ESS for frequency regulation (FR). Going forward, we plan to implement our energy solutions for distributed energy sources, such as ESS and microgrids, in other countries including Japan, the US, Australia, and in Europe. We are also pursuing an LNG, a clean energy source as we look to future growth engine and new business opportunities. In South Korea, we are partnering with Hyundai Development Company (HDC) to build a plant in Songpyong City—a large LNG power plant. Once completed, HDC and Hanwha Energy will jointly supply the LNG needed to power the plant and open LNG terminal retail businesses. Overseas, as part of our strategy to expand our global energy business into new markets, we're entering the gas to power market in Vietnam. To this end, we've formed a consortium with Korea Gas Corporation and Korea Southern Power Company to build LNG facilities and retail businesses in Vietnam.

Hanwha Engineering & Construction

Hanwha Engineering & Construction is recognized for its ability to successfully complete large-scale and complex projects in the global market, such as building an entirely new city, constructing chemical plants in the Middle East and North Africa, and completing various real estate projects in the Americas.

Hanwha Engineering & Construction has quickly become a global player by leveraging its extensive experience in construction projects and by applying its new technologies and subject matter expertise across industrial, chemical, and power plants, oil engineering works, commercial buildings, and more. We've been recognized as a top global contractor in Engineering News Record and our works are often referred to as the “Bible of the construction industry.”

The Bismayah New City is a USD 10.1 billion project—the largest urban development project to build an entire city. It is for its sheer development scale and global design of an entire new city in 2040, we demonstrated our technological prowess by successfully building the world’s largest domed arena in the Philippines, a bridgehead for our Southeast Asian market entry. We are also building power and petrochemical plants in the Middle East and North Africa, and developing large real estate projects in North America.

In South Korea, Hanwha Engineering & Construction has been responsible for the nation’s largest urban development projects that have included the construction of homes for more than 6,000,000 households across 170 areas for the past 20 years. Recently, we’ve applied our extensive experience to build and launch a new residential brand, FORENA. FORENA provides customers with differentiated and residential products that connect people to premium living space. We lead the industry by pioneering large-scale site construction, including Daedeok Techno Valley, South Korea’s first development project to build an entire city. We also developed the nation’s first advanced membrane filtration water treatment technology and sewage water treatment technology. By leveraging future technology into what we build that is also eco-friendly, we are raising the bar for value that can be derived from construction projects.
Daedeok Techno Valley is the technology hub of South Korea and home of the most technologically advanced companies and research facilities. Daedeok Techno Valley is considered an exemplary model of how a high-tech industrial complex should be built and is credited with revitalizing the local economy.

Hanwha City Development exemplifies the kind of business that is needed in the Fourth Industrial Revolution — it is able to use its experience and know-how to develop high-tech complexes and at the same time, operate in a way to generate the trust and loyalty of its local communities.

Hanwha City Development has been recognized as the leading private developer of high-tech industrial complexes since it was established in 2001. Starting with success in Daedeok Techno Valley, additional projects followed, such as the Asan Techno Valley project (2,984,000m², 300 enterprises, 8,000 households), the Seosan Techno Valley project (1,994,000m², 200 enterprises, 6,000 households), the Gimhae Techno Valley project (1,643,000m², 200 enterprises), and the Gyeonggi-Hwaseong Bio Valley project (1,419,000m², 100 enterprises).

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

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

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

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

Hanwha Life operates in asset quality stability, sales, and product development. We are moving forward, deploying our advanced capabilities as we carry forward the financial results of the future worldwide.

Established in 1946, Hanwha Life not only led the life insurance company that also led the life and health insurance markets throughout 2017. We have also included the title of the Gimhae Quality Index survey, managed by Korea Management Asset Consulting. Our nodal team is comprised of strong and solid executive sales and network nationwide. As a result, our domestic subsidiaries are securing strong, growing profitability—a first for a South Korean insurer in Vietnam. In China, our subsidiary, Sino-Korea Life Insurance has newly appointed local CEO and was named through localization and digital growth. In Indonesia, our subsidiary is building a balanced profit structure that is shifting its growth to digital and aiming at its new digital (ODI) Hall of fame in 2019.

To increase sales and profitability, we are focusing on value-based sales, improving product features, and expanding product types and variable insurance sales. We also diversify our investment assets and applying risk management to aggressively and proactively respond to changes in the financial market. In 2019, we continue to sharpen our competitiveness in the market by using various channels to provide diversified products and services. We are also focusing on enhancing communications across headquarter, sales routes, and customers. However, in an optimistic market climate, we are improving our digital capabilities, product development, and digital technology, and our government-oriented data support. We are committed to helping our subsidiaries at all over the world to reach the highest profit value in the domestic insurance industry.

Hanwha General Insurance
www.hanwhalien.com

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

Hanwha General Insurance is a major insurer with USD 15 billion in total assets. We are internationally recognized for our financial stability and steady growth accompanied by diversified asset management strategies and increasing customer value.

Established in 1946, Hanwha General Insurance is the first South Korean insurance company funded solely by domestic capital. Throughout its history, we’ve played a pivotal role in developing the South Korean general insurance industry. Today, we’re a major insurer with total assets of nearly USD 15 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, improved service quality, and minimized loss ratio, advance the compensation structure, improve long-term insurance to auto and general insurance. Today, we’re a major insurer with total assets of nearly USD 15 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.

Our efforts to improve customer service have been recognized by South Korean government organizations. Our customer service is evaluated by the Korea Consumer Agency and certified by the Fair Trade Commission every two years. Before that, for the last 12 years we’ve been given five-star certifications, affirming the excellence of our customer-centric services. Our company is on an upward trajectory to build a Risk-based management structure, improve long-term insurance loss ratio, advance the compensation process, and increase high yield.
Hanwha Investment & Securities is a trusted financial investment partner dedicated to providing sources for stable and diversified income even amidst a rapidly changing financial environment in an era of digital transformation. Established in 1962, Hanwha Investment & Securities provides comprehensive asset management services, including brokerage and acquisition of stocks, bonds, and derivatives as well as sales and asset management services for various financial products. With our differentiated systems and high-quality talent, we have successfully established ourselves as a reliable asset management partner. Our financial products and customer-oriented services are offered domestically and overseas. In the ever-changing capital market, we are guided by our company policy to listen to our employees, our customers, and to continuously encourage innovations within the organization. We will disseminate our services by putting customers first and building customer trust.

Hanwha Investment & Securities has established a stable and diversified income structure with our business portfolio in investment banking, trading, wealth management, and institutional investors. To be able to readily respond to the rapidly changing digital financial environment, we developed unique ways to ensure simpler and more convenient investment experiences for our clients. Our easy-to-use STDS application displays essential information that is beneficial to both experienced and inexperienced investors. The application’s user-friendly e-commerce style platform provides features to customize your investment portfolio and matches each customer’s investment tendency and areas of interest to an easily accessible set of digital financial services. We have improved even the intuitive features of our mobile trading system and continue to upgrade even the intuitive features of our mobile trading system and continue to upgrade our differentiated systems and high-quality services for various financial products. With our differentiated systems and high-quality talent, we have successfully established ourselves as a reliable asset management partner. Our financial products and customer-oriented services are offered domestically and overseas.

Hanwha Investment & Securities continues to grow its digital financial platform so it can provide differentiated products and services that can respond to digital transformations and trends. In July 2017, we established the Data Analytics Lab, the first Big Data analytics company in the South Korea’s financial investment industry. The Lab conducts research on various topics such as Big Data analysis and offers general consultation and applications consultation. In April 2019, as part of our efforts to expand our global operations and secure a new growth engine, we acquired HFT Securities, Vietnam’s online stock brokerage company. Then, in December 2019, we officially launched our subsidiary in Vietnam: Vietnam Premier Securities Corporation. Its launch represents Hanwha Investment & Securities’ first step to enter Vietnam’s potentially high-growth market and to establish a digital financial platform offering competitive products and services.

Our business motto is “To grow together” with our clients, shareholders, and employees with sustainable products that yield stable profitability. As a trusted and financially stable company with expertise in a range of industries, we are confident we can build a better future for our customers.

Hanwha Asset Management is one of the top three asset management companies in South Korea. With our comprehensive operation systems, innovative solutions, and customer-focused management philosophy, we are rapidly becoming an investment company of choice in Asia.

Foundation 1988, Hanwha Asset Management has grown into a comprehensive asset management company offering a full range of financial instruments, including stocks, bonds, MMFs, fund of funds, social overhead capital, derivatives, real estate, ETFs, and PEs in both domestic and overseas capital markets. At the end of 2019, we were among South Korea’s top three asset management companies with USD 80.10 billion in assets under management (AUM). We have people with unparalleled expertise who operate highly organized systems across all areas, including product development, research, compliance, and IT management. All of our products and services cater to the needs of our customers because we strictly adhere to our principle and management philosophy to place our customers first before anything else.

Hanwha’s expertise and industry-leading innovations have been recognized with numerous industry awards in South Korea, including the Top Prize in TOF and general funds at the 2020 Korea Fund Awards by LG Jerome, the Grand Prize in alternative investment funds at the 2019 Korea Securities Awards by Seoul Economic News media, the Best Fund Seller Award in ETF at the 2019 Markleung Securities Awards by My New Business News Korea, and the Top Prize in international bonds at the 2019 Korea Fund Awards by The New Zealand.

Hanwha Asset Management is accelerating its strategic overseas expansion to become a leading asset management company in Asia. Our Singapore subsidiary manages equity and alternative investments in the pan-Asian market. We acquired a New York based subsidiary in hedge our assets in the US and other countries. We have also established a China subsidiary as a wholly foreign-owned enterprise (WFOE) so we could better execute our global strategy and expand our business footprint overseas.
Hanwha Savings Bank
www.hanwhasbank.com

EXPERTISE
Deposits, commercial and personal loans

2019 Total Sales
in USD millions
45

2019 Total Assets
in USD millions
825

Hanwha Savings Bank is a financially sound blue-chip savings bank. We faithfully fulfill our role as a microfinance institution by supporting small and medium-sized businesses with great potential, developing new products, and providing convenient services.

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 unfavorable business climates, we’ve been able to relentlessly pursue external growth with our experienced sales teams and a highly disciplined management. We also found success by extending the fundamental roles of microfinance institutions and supporting small and medium-sized businesses with great potential.

Today we are a sound savings bank, continuing to grow with the confidence of our customers on our side. We constantly strive to take care of our clients and our communities by offering products that serve their needs. Our risk management system enables us to perform faithfully and operate as a financially secure institution, providing top-quality financial products and services to both individuals and businesses alike.

Hanwha Hotels & Resorts
Hanwha Galleria
Hanwha Estate
Hanwha Station Development

Services & Leisure
Hanwha Hotels & Resorts is becoming South Korea's premier leisure and service provider of resorts and hotels. We deliver a differentiated customer experience through our premium condominium chains, golf courses, aquaria, theme parks, and boutique hotels.

Hanwha Hotels & Resorts began operations in 1979 as the developer of South Korea’s first resort condominium project. We own one of South Korea’s top condominium chains that include the Sapporo World Resorts in Sapporo and the Ocean Palace Golf Club & Resorts in Japan hotels. We also operate other resort businesses, including online malls, global brand direct sourcing, and Beatles-themed attractions.

In 2018, Hanwha Hotels & Resorts was named the first in South Korea to join the Leading Hotels of the World network of independent luxury hotels.

Until now, we have featured six Seoul-based restaurants among the top 20 in Korea by Asia’s 50 Best Restaurants. Over the years, we have become the first in South Korea to capture the world’s largest hotel talent. In our flagship hotels, we have also curated a world-class wine list and the nation’s first ever fine dining service.

Hanwha Hotels & Resorts operates five department stores operated by Seorak Waterpia, Pororo Plaza, Aqua Planet, Art & Eve, and Jade Garden in Chuncheon—all renowned attractions and the envy of other companies in the industry. In addition, we operate Seorak-Wateria, President Aqua World in Gyeongju, Akyo Therapy, Center Royal Saddle Equestrian Society, and Jade Garden in Chuncheon—all renowned attractions and the envy of other companies in the industry.

In 2018, we began work on expanding our portfolio of hotels across 13 properties. In Japan and South Korea, we own and operate six premier golf courses totaling 126 holes.

We operate Seorak-Wateria, President Aqua World in Gyeongju, Akyo Theraphy Center Royal Saddle Equestrian Society, and Jade Garden in Chuncheon—all renowned attractions and the envy of other companies in the industry. In addition, we operate Seorak-Wateria, President Aqua World in Gyeongju, Akyo Theraphy Center Royal Saddle Equestrian Society, and Jade Garden in Chuncheon—all renowned attractions and the envy of other companies in the industry.

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Hanwha Estate
www.hanwhaestate.com

EXPERTISE
Comprehensive real estate services

2019 Total Sales
In USD millions
130

2019 Total Assets
In USD millions
55

Hanwha Estate has extensive experience in managing more than 100 diverse facilities and properties around the nation. We offer differentiated solutions by maximizing customer asset value and providing advanced energy-efficient and eco-friendly models.

Hanwha Estate is a comprehensive real estate services firm offering real estate consulting, asset and facility operation management, construction, security solutions, and energy-efficient projects designed to increase the value of client assets.

Our real estate consultants are designed to yield maximum profits through the employment of optimized solutions. Our consultants begin with a thorough market analysis and innovative perspectives appropriate to customer and property characteristics. In asset and facility management services, we assign highly skilled and experienced professionals to the project to provide ongoing administrative and technical support. Harnessing our full spectrum of facility management experience, we provide high-quality services that fulfill customer needs.

We have also continually expanded business and enhanced our competitiveness. Building on our deep operational expertise, we have provided real estate management services for more than 100 Hanwha-affiliated buildings and client assets, including office buildings, data centers, resorts, complex facilities, and research centers. Our years-long management experience has sharpened our skill in property management and deepened our expertise in electric facilities, machinery, equipment, disaster prevention, firefighting, communications facilities, building maintenance, and security. Our comprehensive technical services include completed construction site inspections, safety audits, functional checks of firefighting/facilities, and physical inspections.

In the construction and security businesses, Hanwha Estate guarantees excellent construction quality and safety by rigorously following basic principles across processes, safety, construction, and quality control. We also check energy flows throughout each building and provide eco-friendly models for energy efficiency. Our converged services add up to one-stop solutions for all customer needs.

Located in the northeastern part of Seoul, Cheongnyangni Station is a nine-story complex with more than 177,793 square meters of space, including three underground levels. With a department store, an outlet mall, a theater, and restaurants, it is driving economic growth for the community around it.

Hanwha Station Development
www.hwsd.co.kr

EXPERTISE
Commercial development, property management

2019 Total Sales
In USD million
176

2019 Total Assets
In USD millions
430

Hanwha Station Development is a premier developer and manager of commercial complexes whose core competencies are in its experience in developing and operating advanced railway stations.

Hanwha Station Development is our nation’s premier developer and manager of railway stations. Since our founding in 1987, we have pioneered the retail and leisure culture by combining commercial complexes with private stations. We developed building complexes in the centrally located Seoul Station and the Cheongnyangni Station — logistics hubs in the northeastern part of Seoul. By leveraging our expertise and capabilities in business development, project financing, lease marketing, construction management, and facility operation, we have become an industry-leading developer and manager of commercial complexes.
Corporate Social Responsibility
As a world-class solar energy business, our mission is to achieve sustainable growth; our goal is to improve lives and the world in which we live. At Hanwha, we’re committed not only to our customers and employees but also to the people who live in the communities where we do business. Being back is part of our culture and we do this through professional organizations, and fiscal support. We engage in activities that help protect and enhance our environment. From instilling solar power generation systems to make communities energy self-sufficient, building Happy Sunshine Solar Forest to light deforestation in China to cleaning up the Mekong River in Vietnam, we’re not only using solar energy, we’re making a difference.

Happy Sunshine Campaign
Hanwha is driving the use of sustainable energy in communities with expertise gained from vertical integration of our solar businesses. Our brand promise "Happy Sunshine," a project we donated a total of 1,040 solar power generation systems to 125 welfare centers in South Korea to help them save on utility bills. We also operate Hanwha Hope Project where we donated solar power generation systems to elementary schools in underserved areas in China.

Hanwha Solar Forest
Since 2011, the Hanwha Solar Forest has planted 200,000 trees across seven locations in Korea, Mongolia, and China. Our three forests in China and one in Inner Mongolia used the seedlings grown by solar energy facilities and donated by Hanwha. Hanwha Solar Forest is the first demonstration of how solar energy can be used to prevent desertification. The UNCCD has praised it as a best practice, urging others to follow.

Clean-Up Mekong Campaign
In June 2019, to commemorate World Environment Day, Hanwha launched the Clean-Up Mekong campaign to help address one of the world’s ongoing environmental issues: water waste. We donated solar-powered boats that could remove wastes from the Mekong River before the river water empties into the Pacific Ocean. We also developed a digital media campaign to publicly raise awareness and educate the Vietnamese people on the use of eco-friendly energy and their responsibility to prevent climate change.

Social Responsibility – Culture, Arts, and Sports

Arts and Culture
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 has been held in cities across the country since 2004, and the Hanwha Classic has performed classical music since 2015. In recognition of popularizing classical music and promoting the Korean culture and arts, Hanwha was awarded the Grand Prize of the Presidential Award at the Macarthur Foundation Awards hosted by the Korea Masonic Association in 2006 and 2011. In 2014, we received the Achievement Award at the SAC Awards by Seoul Arts Center.

Seoul International Fireworks Festival
Since 2000, Hanwha has annually held the Seoul International Fireworks Festival put on spectacular fireworks shows with themes around optimism and dreams. Through sports, Hanwha has created positive energy and communicated inspirational messages to sport fans and followers. In 1986, we founded the Hanwha Eagles to help revitalize professional baseball as a national pastime. We also established the Team Hanwha Q CELLS in 2011 to promote golf in South Korea and hosted the annual Hanwha Classic, the nation’s top golf tournament.

Operating and Assisting Sports Teams in South Korea
Through sports, Hanwha has created positive energy and communicated inspirational messages to sport fans and followers. In 1986, we founded the Hanwha Eagles to help revitalize professional baseball as a national pastime. We also established the Team Hanwha Q CELLS in 2011 to promote golf in South Korea and hosted the annual Hanwha Classic, the nation’s top golf tournament.

Social Responsibility – Eco-Friendly Solar Energy

Eco-Friendly Solar Energy
Since 2011, the Hanwha systems to make communities energy self-sufficient, building Happy Sunshine campaign to light deforestation in China to cleaning up the Mekong River in Vietnam, we’re not only using solar energy, we’re making a difference.

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Since the Hanwha Social Responsibility Center was founded in 2002 to commemorate the company’s 100th anniversary, Hanwha has called upon each affiliate company to participate by sending volunteer teams for various social activities to give back to the communities. At the same time, Hanwha makes great efforts to identify and nurture the talents who can someday become future leaders of our society.

Hanwha’s foundation, we have expanded our programs to give back to our communities and one way was to invest in education. This was why we established the Bugil Foundation in 1976, which is now a prestigious private school. And in 2011, we began sponsoring the KAIST Science Challenge, a high school science competition aimed at discovering outstanding students in science. In 2016, we began hosting KAIST Science Outreach Program, Convergence Science Camp, which verifies minimal environmental impact in the entire production, products, and services process.

Every Hanwha’s foundation, all affiliates have adopted and acquired the Environmental Management Systems Certification (ISO14001), which verifies minimal environmental impact in the entire production, products, and services process.

EnvironmenTal in Safety RespoNSibiLity

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

Environmental and Safety Responsibility

Protecting the Environment and Addressing Climate Change

Hanwha utilizes green energy and participatory climate planning. To build a company-wide Environmental Safety and Health Committee that includes the CEO, senior executives, and general managers in charge. Each business site implements sustainable environmental strategies for energy safety and health, including accident prevention oversee by an individual committee. In addition, to ensure we share, improve, and develop best safety practices among business sites, we hold regular meetings and workshops. This was why we established a solar startup academy where anyone wanting to start a solar energy business can be trained to do so. Our entry into the hydrogen ecosystem market in 2020 started with the commercial operation of Sawi Green Energy, the world’s largest hydrogen fuel cell power plant. And with greater investments in eco-friendly plastic research, we’re expecting to accelerate our transition into a circular economy.

Establishing a Culture of Safety

Hanwha works to gain community trust by promoting safety and creating safe workplaces. It’s part of our corporate culture. Along with regular safety leadership training for executives and team leaders, we developed a diagnostic tool to monitor each employee’s safety awareness. The system identifies and improves an employee’s development areas and then develops personal development plans to identify when to apply stricter safety regulations to prevent accidents and build an advanced safety culture.

Hanwha’s Steak-Hanshi acquired the Environmental Management Systems Certification (ISO14001), which verifies minimal environmental impact in the entire production, products, and services process.

Social Responsibility

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

Talent Development and Employee Volunteers

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

Hanwha’s foundation, all affiliates have adopted and acquired the Environmental Management Systems Certification (ISO14001), which verifies minimal environmental impact in the entire production, products, and services process.

EnvironmenTal in Safety RespoNSibiLity

Protecting the Environment and Addressing Climate Change

Hanwha utilizes green energy and participatory climate planning. To build a company-wide Environmental Safety and Health Committee that includes the CEO, senior executives, and general managers in charge. Each business site implements sustainable environmental strategies for energy safety and health, including accident prevention oversee by an individual committee. In addition, to ensure we share, improve, and develop best safety practices among business sites, we hold regular meetings and workshops. This was why we established a solar startup academy where anyone wanting to start a solar energy business can be trained to do so. Our entry into the hydrogen ecosystem market in 2020 started with the commercial operation of Sawi Green Energy, the world’s largest hydrogen fuel cell power plant. And with greater investments in eco-friendly plastic research, we’re expecting to accelerate our transition into a circular economy.

Establishing a Culture of Safety

Hanwha works to gain community trust by promoting safety and creating safe workplaces. It’s part of our corporate culture. Along with regular safety leadership training for executives and team leaders, we developed a diagnostic tool to monitor each employee’s safety awareness. The system identifies and improves an employee’s development areas and then develops personal development plans to identify when to apply stricter safety regulations to prevent accidents and build an advanced safety culture.

Hanwha’s foundation, all affiliates have adopted and acquired the Environmental Management Systems Certification (ISO14001), which verifies minimal environmental impact in the entire production, products, and services process.

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

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

Commitment to Mutual Growth
Since 2009, Hanwha has fostered collaborative partnerships with over 1,500 small and medium-sized enterprises. We have helped them grow their businesses by strengthening their core competencies, supporting their financial needs, and guiding them to engage in fair trade practices. In 2011, we promoted mutual growth by working collaboratively with our partners instead of competing against them. Since then, we have created an annual co-prosperity fund of USD 172 million for this mutually beneficial partnership.

Building Winning Partnerships
Leveraging our spirit of “trust and loyalty,” Hanwha says connected with our suppliers. We work frequently with partner companies and have put into practice our belief in “Going Further Together” by engaging in joint businesses, exchanging technology, sharing information, and providing exemptions from performance guarantees. We are expanding industry-specific programs to help our partners become more competitive as they expand their domestic and international sales networks. We are also supporting their innovations, equipment purchasing, and assisting them in executing best practices for safety, process, environment and quality control.

Innovating the Regional Economy
Hanwha helps suppliers in rural areas to sell their products at our retail department stores. For example, when we find hidden high-value-added agro-food products that can help the local economy, we stock them at our local stores. Also, 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, reducing energy costs and helping 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 talents. Young Hanwha is a program that fosters the efforts, helping us to move forward and build on the passion that is part of our legacy and foundation.

Building an eco-friendly energy self-sufficient project on South Korea’s Jukdo Island
In collaboration with Chungcheongnam-do, Hanwha transformed Jukdo Island to become energy self-sufficient.

Growing Hanwha with global talent
Together, Hanwha worldwide talent is building Young Hanwha.

Sharing Values
Hanwha strives to hire creative individuals who are driven to innovate. We seek people who pursue excellence and will loyal to our customers, colleagues, and company values. We seek people who work hard to achieve their goals and understand the importance of supporting a greater cause. We develop global talent with their goals and understand the importance of supporting a greater cause. We develop global talent with their goals and understand the importance of supporting a greater cause.

Cultivating Global Leaders
Hanwha continues to invest in talent. Our global talent program nurtures employees with potential and interests in global business. In our regional specialist program, we send associate and junior managers all over the world; we can experience the business and culture of those countries and become local experts. We also operate a special program to identify and develop executive talent to lead Hanwha’s future and growth. In our commitment to develop Hanwha’s future global leaders, we sponsor select employees pursuing their master’s or doctoral degrees from the top universities in Asia and abroad. Our company also provides job shadowing and mentoring opportunities for our employees so they can experience management and leadership.

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

Agreements on fair trade and mutual growth
Co-promotion fund
Private equity fund for mutual growth
Ongoing meetings with partner companies
Energy self-sufficiency project on South Korea’s Jukdo Island
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We have maintained trusted partnerships in South Korea alone and 188 networks around the world (As of the end of December 2019). 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 Hanwha Group.

Global Network

AMERICAS
Canada
Hanwha Q CELLS (sales & marketing)
Canada
Hanwha Canada Development (asset management)
China
Hanwha Q CELLS (investment sold)
China
Hanwha Mining Services (China) (chemical products trading & sales service)
Mexico
Hanwha Advanced Materials (lightweight composite materials & products)
USA
Hanwha Aerospace USA (producing aircraft engine components)
USA
Hanwha Mining Services USA (chemical products trading & sales service)
USA
Hanwha Investment (overseas sales)
USA
Hanwha International (sales & marketing)
USA
Eagle-Peak (global development)
USA
Hanwha TechM (asset management)
USA
U今の (producing polypropylene)
USA
Hanwha Machinery America, Inc. (fabricator)
USA
Hanwha Techstar Automation Americas (Chip mounter sales)
USA
Hanwha Techstar Sales System (system sales & marketing)
USA
Hanwha Power System Energy Management (energy management sales & services)
USA
Hanwha Q CELLS (lightweight composite materials)
USA
Hanwha Advanced Materials (lightweight composite materials & products)
USA
Hanwha America’s Development (asset development)
USA
Hanwha Q CELLS USA (R&D)
USA
Hanwha Q CELLS USA America (sales)
USA
174 Power Global Corporation (sales & marketing)
USA
Hanwha Q CELLS (USA) (sales & marketing)
USA
Hanwha Q CELLS (USA) (R&D)
USA
Hanwha Q CELLS (USA) America (sales & marketing)
USA
Hanwha Q CELLS (USA) (R&D)
USA
Hanwha Q CELLS (USA) America (sales & marketing)
USA
Hanwha Q CELLS (USA) America (R&D)

EMEA
Czech Republic
Hanwha Advanced Materials (lightweight composite materials & products)
France
Hanwha Q CELLS (sales & marketing)
Germany
Hanwha Europe (sales & marketing)
Germany
Hanwha Techstar (machine tool sales & manufacturing)
Germany
Hanwha Techstar Pte. (chemical products trading & sales service)
Germany
Hanwha Advanced Materials (lightweight composite products)
Germany
Hanwha Q CELLS (sales & marketing)
Germany
Hanwha Q CELLS (Germany) (R&D)
Russia
Hanwha Power Systems (energy equipment sales & marketing)
Italy
Hanwha Q CELLS (Italy) (sales & marketing)
Saudia Arabia
Hanwha Digital (sales & marketing)
Turkey
Hanwha Q CELLS (sales & marketing)
USA
Hanwha Advanced Materials (lightweight composite products)
USA
Hanwha Power Systems (energy equipment sales & marketing)
USA
Hanwha Q CELLS (sales & marketing)
USA
Hanwha Q CELLS (sales & marketing)
USA
Hanwha Advanced Materials (lightweight composite materials)

ASIA PACIFIC
Japan
Hanwha Mining Services Australia (chemical products trading & sales & marketing service)
Japan
Hanwha Q CELLS (sales & marketing)
China
Hanwha China (holding) (investment & services in China)
China
Hanwha Advanced Materials (lightweight composite materials & products)
China
Hanwha Q CELLS (sales & marketing)
China
Hanwha Advanced Materials (lightweight composite materials & products)
China
Hanwha Mining Services (China) (producing polypropylene)
China
Hanwha Power Systems (energy equipment sales & marketing)
China
Hanwha Techwin (producing video surveillance system)
China
Hanwha China (real estate development)
China
Hanwha Mining Services (China) (chemical products manufacturing and sales & blasting service)
China
Hanwha Mining Services (China) (producing PV ingots)
China
Hanwha Q CELLS (producing solar cells, modules, and R&D)
China
Hanwha Q CELLS (producing video surveillance system)
China
Hanwha Q CELLS (R&D)
China
Hanwha Q CELLS (production)
China
Hanwha Mining Services Indonesia (chemical products manufacturing and sales & blasting service)
Indonesia
Hanwha Life (life insurance)
Japan
Hanwha Q CELLS (sales & marketing)
Japan
Hanwha Technology (sales & service)
Malaysia
Hanwha Chemical (sales & marketing)
Singapore
Hanwha Advanced Materials (asset management)
Vietnam
Hanwha Techstar (producing polypropylene)
Vietnam
Hanwha Mining Services Vietnam (sales & marketing)
Vietnam
Hanwha Power Systems (energy equipment sales & service)
Vietnam
Hanwha Life (life insurance)