Creating Value through Technology

As an automotive parts company founded in 1977, Hyundai MOBIS produces and supplies products such as automotive modules, core automotive parts, and after-sales parts, and has been recently ranked sixth among global automotive parts suppliers. Aiming at creating value for the safety and happiness of customers, Hyundai MOBIS is increasing its influence in the automotive parts industry through superior quality and technology.
Hyundai MOBIS produces most of the parts used in automobiles through module business, cutting-edge automotive parts business, and core automotive parts manufacturing business, and supplies them to the global market. In particular, it focuses on the development of various advanced technologies to provide unique and evolved new types of products from the combination of automotive parts modules and electronic technology, and also pays full attention to securing technological independence with core original technology.

Leading Automotive Technology

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Creating Value through Technology
All employees of Hyundai MOBIS are cooperating and making efforts to achieve the company’s goal, “2020 Global Top Tier” to be one of the outstanding OEM parts suppliers.

2020
Global Top Tier

Lifetime partner in automobiles and beyond

Core Values

We promote a customer-driven corporate culture by providing the best quality and impeccable service with all values centered on our customers.

We refuse to be complacent, embrace every opportunity for greater challenge, and are confident in achieving our goals with unwavering passion and ingenious thinking.

We create synergy through a sense of “togetherness” that is fostered by mutual communication and cooperation within the company and with our business partners.

We believe the future of our organization lies in the hearts and capabilities of individual members, and will help them develop their potential by creating a corporate culture that respects talent.

We respect the diversity of cultures and customs, aspire to be the world’s best at what we do, and strive to become a respected global corporate citizen.

History

Hyundai MOBIS is continuously working towards the future through challenges and innovations to rise up to be a leading automotive parts supplier in the world. It has grown to be the sixth-ranked global automotive parts supplier in only 10 years since it entered the automotive parts industry, and based on this potential, it is now aiming to become the company that takes the lead in changing global market and leads future automotive technology.

1977 Established Hyundai Precision Industry Co., Ltd.
1987 Opened the Mabuk R&D Center
1989 IPO and listed on the Korean Stock Exchange
1991 Launched the Galloper model
1995 Launched the Santamo model
1999 Produced the first Chassis Module

2000 Takeover of Hyundai Kia Motors After-sales parts business
2001 Completion of the Cartronics R&D Center
2002 Completion of the Module factory in Jiangsu, China
2003 Completion of the Module factory in Beijing, China
2004 Completion of the Module factory in Cheonan
2005 Completion of the Module factory in Alabama, USA
2006 Completion of the Module factory in Slovakia
2007 Completion of the Module factory in Ohio, USA
2008 Completion of the Module factory in India
2009 Completion of the Module factory in Changwon
2010 Established the Quality Institute

2011 Completion of Lamp manufacturing factory in Gimcheon
2012 Takeover of Hyundai Rotem’s Hybrid business
2013 Merged with Hyundai Autonet Co., Ltd. (Electronic)
2014 Completion of the Module factory in Czech
2015 Production of 100 million (Chassis ・ FEM ・ Cockpit Modules)
2016 Merged with Hyundai Autonet Co., Ltd. (Electronic)
2017 Began construction of a module plant in Mexico
2018 Began construction of a module plant in Hebei, China
2019 Began construction of a module plant in Chongqing, China
Hyundai MOBIS Creates Innovative Technologies for Safety and Happiness

The development of technology should be oriented towards greater values of understanding people and caring for the environment beyond just providing more comfortable life to people. The automotive science of Hyundai MOBIS is pursuing not only the improvement of the performance and convenience of automobiles, but also the safety and happiness of humans as well as the automotive life that cares for the environment and future. Hyundai MOBIS is leading the automotive technology innovation for a better future.
As a leading company in modularization, which is called the third automotive innovation, Hyundai MOBIS provides the top three automotive modules – chassis module, cockpit module and FEM – with “Just In Sequence (JIS)” processing. In addition, it is developing and producing cutting-edge modules by participating in the R&D process for finished automobile from an early stage, such as design and testing.

**Chassis Module**
The chassis module, located at the bottom of an automobile, forms the framework of the automobile and is composed of suspension, steering, and brakes as the system support body and powertrain. Hyundai MOBIS produces a variety of chassis module forms in Korea and global plants.

**Cockpit Module**
The cockpit module is the part which integrates parts related to safety and convenience of the driver and passengers; for example, the instrument panel and air vents. Hyundai MOBIS’ cockpit modules, loaded with various conveniences such as lightweight automotive materials and luxurious interiors, are being produced in domestic and overseas plants.

**Front End Module (FEM)**
The FEM is the part unit that integrates the parts related to the automobile front such as the carrier, headlamp and bumper. Hyundai MOBIS is developing FEMs with a variety of validation methods for the organic combination of related parts and the protection of pedestrians on impact and producing them in domestic and overseas plants.

**JIS**
In this production system, whenever one automobile is ordered to be produced, the modules required for the automobile are produced and supplied at the same time. This production system does not only heighten the efficiency and convenience of automotive assembly, but also enables effective inventory management.

**Module Business**

**Future Automotive Parts Business**

**Global OEM Business**

**Core Automotive Parts Business**

**Research and Development**

**Business Fields**

**Module Business**

**After-sales Parts Business**

**Future Automotive Parts Business**

**Global OEM Business**

**Core Automotive Parts Business**

**Research and Development**

**12** Overseas Bases

**5** Continents

**JIS** Just In Sequence

**In this production system, whenever one automobile is ordered to be produced, the modules required for the automobile are produced and supplied at the same time. This production system does not only heighten the efficiency and convenience of automotive assembly, but also enables effective inventory management.**

**Automobile**

**Painted Body Out**

**Real-time transmission of production line for finished product**

**Release**

**Chassis Module**

**Cockpit Module**

**FEM**

**Rear Chassis Module**

**Complete Chassis Module**

**Front Chassis Module**

**Complete Chassis Module**

**Front/Rear Chassis and Powertrain, Fuel Tank, Muffler, etc.**

**Cockpit Module**

**Airbags, Audio/Video, Air Conditioner/Heater, Cluster, Glove Box, etc.**

**FEM**

**Cooling Module, Headlamp, Bumper, Carrier, etc. at the front of the automobile.**
Future Automotive Parts Business

Major automobile companies will soon mass produce limited Self Driving Vehicles. In preparation for the rapid technological development of this smart automobile (driving support and autonomous driving), Hyundai MOBIS is focusing on the technological development needed to provide a stable system in which the technology for control logic is internalized and mass-production quality is secured. It is also responding to climate change and social problems through eco-friendly parts that emit less harmful substances, high-efficiency control parts, and parts that support eco-drive.

Driver Assistance System (DAS)
One of the major research areas for the Driver Assistance System (DAS) is the active safety control system. It can be divided into two types, vertical control (SCC, AEB) and horizontal control (LKAS, SPAS). Currently, an autonomous driving system, combining vertical and horizontal control, is being developed and will be used soon.

Lane Keeping Assistance System (LKAS)
Through the addition of automobile horizontal control to Drive Warning System, this system prevents lane departure by self-detecting dangerous situations when the automobile can’t keep in the lane due to a drowsy driver or other kinds of driver’s carelessness.

Smart Cruise Control (SCC)
This is a system which drives automatically with the speed the driver has set and automatically keeps a distance from the automobile ahead through radar sensors attached in the front of the automobile.

Brake by Wire (BBW)
BBW is a system that generates braking power by controlling the braking system installed in each wheel through electric signals. As this system can improve fuel efficiency, it is being developed as a future eco-friendly braking system.

Blind Spot Detection (BSD)
By detecting automobiles in blind spots, this system prevents accidents which can occur during lane changes when a driver cannot see automobiles in a blind spot.

Autonomous Emergency Braking (AEB)
This is a safety system that prevents collisions with automobiles and pedestrians, using radar and cameras.

Forward Collision Warning (FCW)
This is a system that warns of collision with automobiles in front through image recognition technology using a camera.

In-wheel
As a system that drives and brakes independently through a motor installed inside of each wheel, this is a next-generation driving system that can improve automobile safety and fuel efficiency.

Module Business
After-sales Parts Business
Future Automotive Parts Business
Global OEM Business
Core Automotive Parts Business
Research and Development

Business Fields

Fuel Efficiency (km/l)
Improved by 200%

CO₂ Emissions (g/km)
Reduced by 30%

Smart Parking Assist System (SPAS)
This explores a parking space through sensors installed in the automobile, calculates an optimal path for parking, and parks by automatically operating the steering wheel.

Perpendicular parking, parallel parking, parallel parking escape available.

Driver Assistance System (DAS)
Lane Keeping Assistance System (LKAS)

Smart Cruise Control (SCC)
Blind Spot Detection (BSD)
The need for the safety and convenience of customers and society is on the rise, from passive safety focused on posterior measures to active safety to prevent accidents through the fusion of electronic technology. Following this trend, Hyundai MOBIS is leading the intelligence and electronization of automotive parts to meet the extended needs of global customers and consumers.

**Body Control Module (BCM)**
This is a module that integrates ECUs applied in various equipment in an automobile and controls them as a central control equipment.

**Intelligent Battery System (IBS)**
This part calculates battery state and sends the data to an energy management controller to be applied to the Idle Stop & Go (ISG) as generation control system for the improvement of fuel efficiency.

**Tire Pressure Monitoring System (TPMS)**
This electronic equipment continuously monitors tire pressure and informs the driver. This is a necessary device for safety whose installation is made compulsory.

**Airbag Control Unit (ACU)**
This device decides the ignition and deployment point of airbags according to the strength and type of impact on the automobile during an accident.

**Smart Key (SMK)**
This plays the role of passive entry for the entry/exit of a driver to the automobile (door lock/unlock), opening/closing of the trunk and a passive engine starter for engine ignition.

**Electronic Toll Collection System (ETCS)**
This system automatically collects tolls with 5.8GHz wireless communication using a smart card when the automobile passes a freeway tollgate without stopping.

**Hydrogen Fuel Supply**
With the application of a technology that supplies 1,200 liters of hydrogen per minute and recirculates the hydrogen that did not cause a chemical reaction in an electricity-producing device, it has realized a hydrogen use rate of almost 100%.

**AVM**
Around View Monitoring System
This system provides the situation outside the automobile to an inside monitor in real time through four cameras installed at the bottom of outside mirrors on the front, back, left and right sides of the automobile.

**HPCU**
Hybrid Power Control Unit
This turns the mechanical energy generated by an automobile into electric energy and charges it to the battery and then changes the high-voltage energy, which the battery produces, to low-voltage energy.

**Smart Key**
This plays the role of passive entry for the entry/exit of a driver to the automobile (door lock/unlock), opening/closing of the trunk and a passive engine starter for engine ignition.

**Battery Management System (BMS)**
This is a core part that prevents excessive charging or discharging and enhances battery safety and reliability by monitoring the voltage, current, and temperature of the battery in real time.

**Motor**
This is a traction motor for eco-friendly automobiles which assists the engine during acceleration and charges the battery during deceleration (braking) as the driving source of an electric automobile.

**Integrated Package Module (IPM)**
As an integrated module which is composed with a battery and controller (inverter, converter), it plays the role of converting battery voltage into low voltage as well as controlling the battery and motor.

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With the application of a technology that supplies 1,200 liters of hydrogen per minute and recirculates the hydrogen that did not cause a chemical reaction in an electricity-producing device, it has realized a hydrogen use rate of almost 100%.
Hyundai MOBIS produces cutting-edge advanced airbags, a High Beam Assistance System (HBA), Motor Driven Power Steering (MDPS), and various automobile control systems. The company also makes its best efforts in producing basic parts, such as Conventional Brake System (CBS), lamps, oil pumps, and in-panel. Also, it develops multimedia products for automobiles and advances them to a higher value-added business.

### Safety Systems

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driver Airbag</td>
<td>This protects the driver during an automobile head-on collision.</td>
</tr>
<tr>
<td>Passenger Airbag</td>
<td>This protects the passenger seated in the passenger seat during an automobile head-on collision.</td>
</tr>
<tr>
<td>Side Airbag</td>
<td>This protects the sides, waist, and head of passengers during an automobile broadside collision.</td>
</tr>
<tr>
<td>Curtain Airbag</td>
<td>This protects the head of the passenger and holds the passenger so as not to be catapulted out of the automobile during an automobile broadside collision or rollover.</td>
</tr>
<tr>
<td>Knee Airbag</td>
<td>This protects the knees of the passenger in the front seat during an automobile head-on collision.</td>
</tr>
<tr>
<td>Windshield Airbag</td>
<td>This is a new concept of airbag which prevents the body of a pedestrian from hitting the engine hood or windshield glass by deploying from between the front glass and hood outside of the automobile when a pedestrian collides with the automobile.</td>
</tr>
<tr>
<td>Center Airbag</td>
<td>This airbag is installed in the right part of the driver’s seat to reduce the impact of a second accident when driver leans toward the passenger seat or passengers collide with each other.</td>
</tr>
<tr>
<td>Advanced Airbag</td>
<td>This airbag minimizes secondary injuries caused by an airbag through the optimal adjustment of airbag inflation speed and pressure considering the type of passenger, seating location, wearing of seatbelt, and severity of accident.</td>
</tr>
</tbody>
</table>

### ASB (Active Seatbelt)

This is an active-type seatbelt which holds the passenger through a motor installed in the belt when a forward collision is expected or during sharp turns.

**Benefits of ASB with ECU**
1. Number of components reduced by 40% compared to competitors
2. Neck area injuries reduced by 64%
3. Other injuries reduced by 20%
Hyundai MOBIS is making its best efforts to produce braking parts that are directly related to the safety of the driver and pedestrians, such as basic Conventional Brake System (CBS) and the MOBIS Electronic Brake (MEB), which improve the safety and braking power of automobiles.

MOBIS Electronic Brake (MEB)

This is a cutting-edge brake system, which Hyundai MOBIS has developed with its independent technology and applies to finished automobiles. It enables safe steering by detecting the automobile’s movement when a dangerous situation occurs and automatically controlling the sliding of the wheels and body turn angle.

Electronic Parking Brake (EPB)

This is an electronic parking system which enables parking with the driver’s operation of a switch button, a developed version from the existing mechanical parking brake using hand/foot levers.

Conventional Brake System (CBS)

As a device to reduce the speed or stop an automobile, it is composed of a caliper, brake booster, and drum brake. Also, this is a necessary system for realizing the cutting-edge electronic control system (Anti-Lock Brake System and Electronic Stability Control), etc.

Halogen Lamp V.S. LED Lamp

<table>
<thead>
<tr>
<th></th>
<th>Halogen Lamp</th>
<th>LED Lamp</th>
<th>Benefits of LED Lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>55~105W</td>
<td>40W</td>
<td>Power consumption reduced by about 30%</td>
</tr>
<tr>
<td>Lifecycle</td>
<td>1,500~2,000 hours</td>
<td>6,000~10,000 hours</td>
<td>Lifecycle improved by about 1,900%</td>
</tr>
</tbody>
</table>

Hyundai MOBIS has established a center near Sunou County, 125km from Heihé, Heilongjiang, China, which is regarded as the world’s automobile winter test site. At the center, Hyundai MOBIS is testing cutting-edge braking/steering technology including MOBIS Electronic Brake (MEB) and Motor Driven Power Steering (MDPS). Through the results and analysis of various driving tests, Hyundai MOBIS will enhance technology and secure quality reliability for parts systems to realize the best performance even in severe environments.

High Beam Assistance System (HBA)

If an automobile approaches the other way while driving with high beams on at night, the lights automatically turn to low beam and then return to high beam once the automobile passes by.

High-Intensity Discharge Lamp (HID)

Unlike existing halogen lamps, this system generates light by discharging xenon gas and metal halide salts in a tube for light with a high voltage of 20,000V.

Adaptive Intelligent Lighting System (AIS)

This system, which was developed for the first time in Korea by Hyundai MOBIS, adjusts the angle and intensity of illumination of automobile lights without separate driver’s handling operation in various driving conditions such as road conditions including curves and intersections and bad weather.

Cold Beam Assistance System (CBA)

This is a system that can automatically adjust the angle and intensity of the illumination of automobile lights without separate driver’s handling operation in various driving conditions such as road conditions including curves and intersections and bad weather.

Winter Test Center in Heilongjiang, China

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Hyundai MOBIS produces MDPS, gearboxes, and steering oil pumps, steering components, which have been optimized for safety, convenience, and energy savings.

Motor Driven Power Steering (MDPS) is a cutting-edge electronic control steering device in which existing hydraulic power steering was replaced by an electric motor. This device is light and enables fuel efficiency improvement and precise driving. Not only that, this high-performance steering system also has fundamentally removed environmental problems caused by oil exchange.

**Gear Box**

This is a device that moves the wheels in the steering direction by turning the rotary motion of the wheels into linear motion.

**Power Steering Pump**

This is a device that assists the steering power of the driver by using the hydraulic pressure generated by engine operation during steering.

**Audio-Video-Navigation (AVN)**

AVN is a high-quality multimedia system for automobiles in which audio, video, and navigation is realized as one system. Hyundai MOBIS has realized the next-generation Human Machine Interface (HMI) of the AVN system through animation effects and a high-quality GUI.

- **High-Quality AVN**
  - This system is equipped with a large-screen, wide-angle LCD in the front and back seats, premium sound, a rear-seat entertainment system, a navigation system, and a multimedia system. Not only that, but it also provides a premium use environment such as a monitor touch panel that considers the operating environment and an integrated jog dial mechanical system.

- **Standard AVN**
  - Equipped with a touch screen and LCD monitor, this provides various multimedia functions (radio, DVD, DMB, Divx, MP3, digital iPod, Bluetooth, voice recognition, rear camera, and image file play) and TPEG navigation reflecting traffic information.

**Connectivity (Bluetooth/Voice Recognition, Mirror Link)**

Hyundai MOBIS’ automobile infotainment system aims to provide driver-friendly services such as AVN, which supports radio, DMB, multimedia, navigation, and telematics services. For this, Hyundai MOBIS is developing automotive and IT fusion system for smooth connection and fusion with the automobile’s internal network (CAN, MOST, Ethernet, etc.) and external network (USB, Bluetooth, Wi-Fi, NFC, LTE, V2X, etc.).

**Audio**

The audio system of Hyundai MOBIS includes a color TFT touch screen, LDC, hands-free Bluetooth, voice recognition, interior/exterior AMPs (amplifiers), and rear camera interworking.

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**Steering Systems**

- **Hyundai MOBIS** produces MDPS, gearboxes, and steering oil pumps, steering components, which have been optimized for safety, convenience, and energy savings.

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**Multimedia**

A recent trend in automobile multimedia systems is the combination of an audio system with various media, and securing technology in this field will become a core factor in deciding the quality and competitiveness of an automobile. For this, Hyundai MOBIS is making efforts to make multimedia systems into higher value-added systems that combine information and entertainment functions.

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**Business Fields**

- **Core Automotive Parts Business**
  - **Motor Driven Power Steering (MDPS)**
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**Types of Motor Driven Power Steering**

- **Column - MDPS**
  - This part installs a motor in the steering column. It requires fewer design changes when it is applied in an automobile and is suitable for compact automobiles.

- **Dual Pinion - MDPS**
  - This part minimizes the use of engine room space to install a motor in the pinion and reduces the occurrence of noise.

- **Rack - MDPS**
  - This part installs a motor in the rack. It has excellent steering performance and reduces the occurrence of noise.
After-sales Parts Business

Hyundai MOBIS is providing the after-sales parts used in Hyundai-Kia automobiles both domestically and in foreign countries. It provides customers with the best service through prompt and exact parts supply when there is a demand for after-sales parts by building a large-scale infrastructure, including a high-tech distribution system and retaining, and managing about 2.14 million parts items for about 200 automobile models (as of 2015).

Distribution Operation for Customer Value Improvement

Equipped with a broad distribution network, Hyundai MOBIS is providing parts through testing and strict quality verification for various automobile models to exert the best performance.

As it is difficult to predict when and what parts are needed due to the characteristics of after-sales service, and there is the need for an efficient distribution system, which can supply parts without problems at the right time when customers want them, Hyundai MOBIS is equipped with a standard distribution system and promotes optimization of distribution for productivity, real-time process management and stock arrangement. In the warehouses of Hyundai MOBIS, all processes from warehousing and storage to shipping are being managed in real time with a barcode system through an intelligent warehouse system.
Global OEM Business

As a global automotive parts company both in name and reality, Hyundai MOBIS is providing automobile manufacturers with chassis modules, lamps, brakes, electronic parts, etc. Starting with the export of a chassis module for the Chrysler Jeep Wrangler in 2006, Hyundai MOBIS has been providing the supply of various parts to automobile manufacturers in Europe and China and been extending markets with customized products that fit the characteristics of each region.

Expansion of Global Customer Portfolio

Hyundai MOBIS maintains partnerships with various customers to ensure stable profit that is not disturbed by market changes. It is enhancing basic product competitiveness by supporting the smooth production of customer companies through the establishment of specialized strategies by region, setting up local bases, and focusing on investment in R&D.

Hyundai MOBIS is providing customer companies such as Chrysler, GM, BMW, Daimler, Volkswagen, Mitsubishi, and Subaru with lamps, braking systems, electronic units, and chassis modules and steadily increasing the supply period and volume.

Global Automobile Companies and Order Status

- **Europe**
  - Volkswagen:
    - High-Mounted Stop Lamp (HMSL)
  - Daimler:
    - Rear Combination Lamp
    - Intelligent Battery Sensor (IBS)

- **Domestic**
  - GM Korea:
    - Integrated Center Stack (ICS)
  - Ssangyong:
    - Headlamp/Rear/Fog Lamps

- **North America**
  - Chrysler:
    - Head/Rear Lamp
    - Integrated Center Stack (ICS)
  - GM:
    - Parking Brake (Drum-in-Hat, DIH)
    - Acquisition of Signal (AOS)
    - Integrated Center Stack (ICS)

- **Asia**
  - China:
    - Shanghai GM:
      - Parking Brake (Drum-in-Hat, DIH)
      - Integrated Center Stack (ICS)
  - Japan:
    - Subaru:
      - Rear/Fog Lamps
  - South Korea:
    - Hyundai:
      - Integrated Center Stack (ICS)
    - Kia:
      - Audio
      - Intelligent Battery Sensor (IBS)
Hyundai MOBIS, advancing to be a leading automotive parts company with the best quality, invests a lot of manpower and expense in R&D to secure technological competitiveness for the core parts of automobiles and future automobiles. Through this, Hyundai MOBIS strengthens the foundation of R&D and puts spurs to the cultivation of the best quality products which can lead the global market.

**R&D Vision**

Hyundai MOBIS is striving to secure and optimize the best automotive parts technology through challenges and innovation and plays a leading role in the industry through fostering of talent and technical cooperation with leading overseas partners. We believe the enthusiasm and passion of our researchers will one day realize our vision of becoming “Future-creating Technology Leader” and be the foundation for Hyundai MOBIS to become a global top tier automotive parts company.

**R&D Activities**

Hyundai MOBIS is investing a lot of manpower and expense in R&D, mainly the R&D centers, to secure technological competitiveness for the core parts of automobiles and future automobiles. In detail, the company is developing the three major modules – chassis module, cockpit module and FEM – and core parts such as airbags, braking systems, steering systems, suspension systems, lamps, multimedia and electronic units. Also, it is conducting research for the development of higher value-added parts such as the parts related to hybrid automobiles, safety control systems, etc., which are the core of the future automobile industry. Furthermore, it is promoting a variety of advanced technologies and basic technical research such as new material-related technology for weight reduction of products, development of an airbag collision algorithm and electronic brake control logic.

**R&D Expenses**

<table>
<thead>
<tr>
<th>Year</th>
<th>Expenditure (in million KRW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>66,963</td>
</tr>
<tr>
<td>2013</td>
<td>64,054</td>
</tr>
<tr>
<td>2014</td>
<td>82,700</td>
</tr>
</tbody>
</table>

Unit: In million KRW

+16.2%

**Testing Centers in Korea and Worldwide**

<table>
<thead>
<tr>
<th>Proving Ground</th>
<th>Major Test Activities by Proving Ground</th>
<th>Area (㎡)</th>
<th>Operation Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arjeplog (Sweden)</td>
<td>New advanced technologies such as MEB/CBS, MUP/EB/IBAS</td>
<td>1,650,000</td>
<td>Jan.-Mar.</td>
</tr>
<tr>
<td>Wanaka (New Zealand)</td>
<td>Evaluation of customer company’s winter season signoff and reliability</td>
<td>99,000</td>
<td>July</td>
</tr>
<tr>
<td>Hefei (China)</td>
<td>Evaluation of parts related to MEB/ESP/AS/Braking/Steering</td>
<td>2,970,000</td>
<td>Jan.-Mar.</td>
</tr>
<tr>
<td>Jeonjan (Korea) (Scheduled for completion in 2016)</td>
<td>Construction of 14 driving courses including high-speed driving road and advanced test road</td>
<td>1,095,600</td>
<td>Throughout the year</td>
</tr>
</tbody>
</table>

**Global Technical Centers**

- **Germany**
  - Frankfurt
    - Development of Core Technology Dedicated to European Market
    - DAS/Brake/Decoration Fields
- **United States**
  - Detroit
    - Development of Core Technology Dedicated to the U.S. Market
    - Eco-friendly Automobiles/IT/ Autonomous Driving Fields
- **India**
  - Hyderabad
    - Development of SW Architecture
    - SW Design Support
- **China**
  - Shanghai
    - Development of Localized Products
Hyundai MOBIS Keeps Providing Stakeholders with Sustainable Values

Humans are always at the center of the technological innovation process. The efforts of Hyundai MOBIS for safer and eco-friendly technology have led to other efforts for local communities, the environment, and coexistence with suppliers. Also, the company is drawing voluntary participation from all its members for them to realize technical innovation in a creative culture and contribute to continuous future growth.
Hyundai MOBIS is creating sustainable future values with the slogan, “Hyundai MOBIS will join a beautiful world with the joy of sharing.” It creates environmentally friendly forests and shares those spaces with local communities, and is conducting a campaign to protect children from traffic accidents. Also, it is fostering future science talents through junior engineering classes and is helping the improvement of convenience for disabled children through the support of assistive devices for movement convenience for children with congenital disabilities.

### Environmental Management

Hyundai MOBIS defines the goal of environmental sustainability as a “Leader Tackling Climate Change” and has built an environmental management system to minimize the influence of the whole production process on the environment, from raw material production to sales. Based on this, Hyundai MOBIS is reducing the influence on the environment by improving the efficiency of resource use and establishing a clean production structure, which reduces environmental emissions.

### Win-Win Growth

The product quality and technology of suppliers, which provides more than 95% of automotive parts, are directly connected with the competitiveness of Hyundai MOBIS. Hyundai MOBIS has established a policy subdivided into “improvement of suppliers’ competitiveness” and “expansion of practical cooperation” and makes efforts to provide practical help to suppliers. Also, it maintains cooperative relationships with the suppliers through the support of the introduction of fair trade voluntary compliance programs and by granting benefits to first-tier suppliers that support second- and third-tier suppliers and helping to secure international competitiveness.

### Human Resources

Hyundai MOBIS is finding excellent human resources with the belief that humans are the subject of continuous growth. It provides the education that is suitable for the job and competence of each executive and employee, gives support for the enhancement of professionalism and creates a creative culture for them to reach their potential. Also, it is cultivating active human resources who have a global mind and work competence through various education programs for executives and employees.