CREATIVITY INSPIRED HYOSUNG
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Creativity Inspired

Inspiring Every Creation in the World
VALUABLE PRODUCTS

Presenting Pioneering Valuable Changes

When a new change for the future aims at a better tomorrow everyone dreams and hopes for, the change can have true value. A change with value breathes inspiration into numerous industries and technologies, and a creative company that leads the change presents a better tomorrow faster than anyone.

This is what Hyosung considers the most valuable kind of “Creativity.”
ADVANCE
Lighter, Stronger and Safer, Imagining the New Possibilities of Automobiles

NEW MATERIALS
Development and commercialization of Korea’s first high-performing carbon fiber
World’s first successful commercialization of Polyketone

TIRE CORD
The world’s only integrated manufacturing system for tire reinforcements
No. 1 in global market share

GREEN
Reduced Pollution, Sustainable Energy Opening a Low–Carbon, Green Life Era

TEXTILE
Development of the world’s first waste fishing net recycled yarn
International certification of eco-friendly fiber
(the Netherlands Control Union, Japan Environment Association JEA)

ENERGY
Development of the World’s First 800kV Double-Break Gas Insulated Switchgear (GIS)
Korea’s first successful commercialization of STATCOM

SMART
Linking Home, Industry and Finance together Presenting a Smart Life Style

NETWORK
Development of distributed file system for big data processing
Establishment of comprehensive Internet of Things (IoT) system

ATM
Korea’s first certified best quality provider of U.S. finance industry ATMs
No. 1 market share in the United States and Indonesian ATM market
With its excellent technologies and services, Hyosung is growing as a global leader in different business sectors such as textile, industrial materials, chemicals, power & industrial systems, construction, trading, and information & communication. Guided by our management philosophy of "Global Excellence," we endeavor to provide better values for our customers all over the world. We will continue challenging ourselves and innovating while securing and maintaining customer loyalty and trust.
Hyosung is being acknowledged in the global marketplace for top technology and quality of its textiles. The Textile PG is a core part of the Hyosung Group, and is now established as an international supplier of chemical fibers with a reputation for excellent service and quality in the production of fibers, textiles, and dye products, including spandex, nylon, and polyester.

Spandex PU
creora®: creora® Color / creora® Black / creora® Power Fit / creora® highlo™ / creora® eco-soft / creora® STEAMSET + / creora® Soft Fit / creora® LUMINOUS / creora® comfort / creora® fit / creora® Fresh

Nylon Polyester Fiber PU
Nylon Fiber: MIPAN regen® / MIPAN fine & soft / MIPAN robic / MIPAN robic-air / MIPAN aqua-X / MIPAN fit / MIPAN rexy / MIPAN gulex / MIPAN XF / MIPAN aeroheat
Polyester Fiber: regen® / askin / aerocoool / aerosilver / aerowarm / prizma / firex / xanadu / m2 / cotna / aerogear / freshgear / aeroheat

Fabric Dyeing PU
Dyeing Unit: Spandex fabric / Mixed fabric / Polyester fabric

Tire & Industrial Reinforcements PU
Tire cord / Steel cord / Bead wire / Saw wire

Technical Yarn PU
PET yarn for seat belts / NY 66 and PET yarn for airbag / NY 66 and PET yarn for sewing thread / PET yarn for broad woven coated fabric / PET yarn for conveyor belts, rubber hoses, power transmission belts / PET yarn for sling belt and strap

Global Safety Textiles
Airbag flat fabric (Coated, Uncoated, High-con) / Airbag cushion / Airbag OPW (X-tether, Laminated)

Interior PU
Automotive carpets (Floor carpet, Option mat)
Commercial carpets (Swan roll carpets, Swan tile carpets, Swan mats)
BCF yarn for carpet (Nylon BCF, PP BCF, PET BCF)

Aramid Business Division
ALIKEX®: Aramid yarn for bulletproof helmets / Aramid yarn for optical cables and ropes / Aramid yarn for MRG (Hose & belt reinforcements and tire reinforcements) / Aramid yarn for civil construction reinforcements / Aramid yarn for staple (Protective clothing and gloves) / Aramid yarn for composite

Carbon Business Division
TANSOME®: Industrial applications (Pressure vessels, Construction, Automotive parts, Wind blades) / Aerospace applications (Primary & Secondary structures, Interiors, Brake discs) / Sports-Leisure applications (Golf shaft, Fishing rods, Premium bikes, Rackets, Premium boat)
Hyosung is producing diverse chemicals such as TPA and polypropylene resin that are actively exported to Asia and Europe, along with excellent quality nylon films, polyester films and Nitron Fluroine Three (NF3). Also, in the case of the world’s first commercialization of polyketone by Hyosung, it is aggressively expanding into the engineering plastic market with a commercial production plant completed in 2015.

**PP/DH PU**  
PP (Polypropylene)

**Film PU**  
Nylon film (Food packaging, Medicine, Secondary cells) / Polyester film (Packaging, Optics, and Industrial)

**TPA PU**  
TPA (Purified Terephthalic Acid)

**Neochem PU**  
NF3 (Nitrogen Trifluoride) / 20% F3/N2 mixture gas

**Optical Film PU**  
TAC film

**POK Business Division**  
Polyketone (POKETONE™)

Hyosung holds a leading level of technology in heavy electric equipment sector. Hyosung has exported its products to customers all around the world, in the Americas, the Middle East, Asia, Africa, and Europe, and has received constant recognition for its product quality. As well, Hyosung maintains a competitive edge in a number of business sectors, including power utilities (transformers, circuit breakers), motors, gears, generators, industrial machineries and industrial pumps. It is also developing the core technologies required to build future electrical grid systems such as energy storage systems (ESS), STATCOM and smart grids.

**Power Systems PU**

Transformers (HV Power Transformer, Oil-immersed Distribution Transformer, Cast Resin Transformer, Shunt Reactor, Special Transformer) / Switchgears (Gas Insulated Switchgear, MV/LV Switchgear, Motor Control Center) / Intelligent Electronic Devices (Digital Meter, Digital Relay, Data Communication unit) / IT Solutions (Distributed Control Systems, Substation Automation System, Electrical Equipment Control & Monitoring System) / Preventive Diagnostic System (PDS) / Energy Storage System (ESS) / STATCOM / SVC / EPC Turn-key Solution (AIS / GIS Substation, Photovoltaic Power Plant)

**Industrial Machinery PU**

Motors / Gear units / Generators / Chemical process equipment / Generators and gearboxes for wind turbine system

**HYOSUNG GOODSPRINGS PU**

Pumps for power plants / Pumps for petrochemical & refinery plants / Pumps for buildings & industrial uses / Pumps for RO plant / Pumps for marine & offshore / Construction and provision of RO plant

**Wind Energy Business Division**

Wind turbine (5MW / 2MW / 750kW)
It is participating in a variety of fields in the construction industry covering residential development, redevelopment and reconstruction, business & commercial facility development, civil & environmental engineering and SOC. It is managing its business ecologically to ensure the coexistence of humans and nature through consistent commitments to R&D and investments.

**Construction PU**
- **Housing**: Apartments, Residential and commercial buildings, Villas, Townhouses
- **Building**: Business, Commercial facilities, Leisure facilities
- **Civil Engineering**: Roads, Railways, Site development, Golf courses
- **Industrial**: Plant facilities, Power generation facilities, Electric power facilities

**Chinhung International, Inc.**
- **Civil engineering business**: Roads and pavement, Subways and railways, Bridges and tunnels, Security facilities for site organization
- **Construction business**: Buildings for commercial use, Offices, Apartment houses, Education, Welfare facilities, Facilities for special purposes
- **Housing business**: Apartments, Mixed- used development, Villas

**Steel & Metal Products PU I, II**
- **Steel & Metal I**: Hot-rolled coils, Wire rods, Cold-rolled coils, Galvanized steel coils, Steel plate, Electrical steel, Tin plate, PPGI, Steel raw and subsidiary material, Steel processing machinery / Equipment, etc.
- **Steel & Metal II**: Stainless hot-rolled coils, Stainless cold-rolled coils, Stainless wire rods, Steel Plate, Bar steel, Section shaped steel

**Chemical Products PU**
- **Raw Materials for Synthetic Fibers**: TPA, PX, PET Chip and PSF
- **Plastic Resins**: PP, PE, ABS, PS etc.
- **Fine Chemicals**: MDI, ECH, PIA, TiO2
- **Mining Chemicals and Concentrates**: NaCN, Zinc Dust, and Concentrates

**LED Business Division**
LED lighting and energy-saving solutions

**Sebitseom Business Division**
Operates the Sebit Islands in the Hangang River

**Hyosung Trans-World PU**
Export & import of containers, Bulk, Plant materials, Project transportation
Our Information & Communication Performance Group has been a pioneer in the Korean IT infrastructure and financial service automation field, providing services for state-of-the-art automated financial devices and advanced medium-sized and large data storage systems as well as various software and IT solutions, engaging in the futuristic LED business, which is regarded as a future-oriented effort, and leading the advancement of today's information age.

**Nautilus Hyosung PU**
Branch transformation solution / Automated teller machines / Banknote recycling machine / Teller cash recycler / Cash dispenser / Multi function kiosks / MoniManager / ATM total outsourcing / MyCashZone / Electronic financial center / SmileEDI

**Hyosung Information Systems PU**
Datacenter Infrastructure (i.e. Storage, Cloud, Converged Platform etc.) & Consulting Service / Infrastructure Management Service / Industrial IoT Solutions

**Hyosung ITX Co., Ltd.**
Contact center / CDN (Content Delivery Network) / SI (System Integration) / SM (System Management) / Display solution

**Galaxia Electronics Co., Ltd.**
LED display systems / LED architectural lighting / LED lighting equipment

**Galaxia Communications Co., Ltd.**
E-payment / Convenience store pre-payment service / Financial platform services

**Galaxia Device Co., Ltd.**
Cell phone keypads / Roller, Unit for ATMs / Special rubber for TVs / Touch screen panels (For smartphones, Tablet PCs, Digital multifunction printers, Large screens (30”), etc.)

Hyosung is strengthening its capabilities in advanced businesses while searching for new business areas, and expanding and developing its current businesses.

**Hyosung Capital PU**
Lease financing / Installment financing / Loan / Corporate financing

**The Class Hyosung Co., Ltd.**
Authorized Mercedes-Benz dealer : Sales and services

**Hyosung Toyota Corporation**
Authorized Toyota dealer : Sales and services

**The Premium Hyosung Co., Ltd.**
Lexus and Toyota sales and services

**Forza Motors Korea Corporation**
Official importer of Ferrari and Maserati

**Galaxia Corporation Co., Ltd.**
Official importer and distributor of American sports performance clothing brand Under Armour in Korea

**Shinwha Intertek Corporation**
Optical films for LCD BLU
BUSINESS RESULTS

Financial Results

Sales

- 2015: 11,011
- 2016: 10,279

Operating Profit

- 2015: 840
- 2016: 876

Sales Proportion by Business Unit

- Industrial Materials: 20.0%
- Chemicals: 10.0%
- Power & Industrial Systems: 21.4%
- Textile: 16.6%
- Trading: 17.1%
- Construction: 7.5%
- ETC: 7.4%

Share of Global Sales 2016

Share of Overseas Export in the Total Sales 70%

Share of Overseas Sales

Sales

- Export
- Domestic

(in separate F/S)
Technology makes dreams come true, Hyosung’s technology opens up a new world

Since establishing the first private R&D Center affiliated with a corporation in Korea in 1971, Hyosung has developed four world’s best products and many other world-class products and brands in textile, industrial materials, chemicals, power & industrial systems, and information & communication fields, wielding a profound effect on the lives of people. Globally competitive technical competence, experience in and passion for R&D, and unquenchable thirst for challenge will enable Hyosung to open up a new world of technology with the spirit of a pioneer.
R&DB LABS

- Electronic materials research group
  (LED materials and nano materials)
- Functional materials research group
  (Carbon fiber and compound materials, Membranes)
- Film research group
  (Optical films and industrial films)
- Textile research group
  (New industrial textile, Functional apparel textile)
- Polymerization research group
  (Engineering plastics, Polymers, and catalysts)

POWER & INDUSTRIAL SYSTEMS R&D CENTER

- Development of Interpretation Programs for Electric Power Systems
- STATCOM (STATic synchronous COmpensator)
- ESS (Energy Storage System)
- Premium Efficiency Motors
- Voltage Type HVDC

STEEL WIRE TECHNICAL CENTER

Steel processing technique development
- Heat treating technology for steel
- Plating and surface treatment
- Design & optimization of wet drawing condition
- Optimized drawing process design
- Stranding mechanism

Tire specialized development
- Eco-friendly tire reinforcements
- Hybrid tire reinforcements
- Research properties of future tires
- Development of Hyosung’s only specification

Field of application development
- Wafer cutting wire
- Ultra-fine wire development
- Special material wire development

ELECTRONIC R&D CENTER

- ATM development (System / Mechanism / Electronics / Software)
- Mechatronics, new robotics technology development
- Element technical development
  (Control technology, Device technology, Circuit technique)
SHARING-BASED MANAGEMENT

Hyosung fulfills its social responsibility to create a more affluent society

With the slogan “Be Together through Sharing,” Hyosung endeavors to fulfill its social responsibility as a corporate citizen by developing mid- and long-term strategies with a vision of becoming “a company that supports beneficiaries to explore their future on their own through education and sharing.” Hyosung’s corporate social responsibility (CSR) activities are based on three main pillars: support for the disadvantaged; culture and art sponsorships; and support for veterans and patriots. The continuous, varied efforts are not limited to national boundaries, but we are reaching further out to various parts of the world as well.

CSE  (Creating Social Eco-system)

By introducing the CSE concept to traditional CSR, Hyosung is taking the lead in establishing an effective and sustainable social model based on close collaboration among companies, citizens, and government.
Support for the Socially Vulnerable Class

Regional Sharing
- Sharing Rice of Love
- Sharing Kimchi of Love
- Sponsorship of Mapo-gu Hope Sharing Festival
- Support for the disadvantaged in Mapo-gu

Support for Handicapped Children / Low Income Class
- Operation of Volunteer Teams designated by Hyosung Volunteer Work Group
- Sharing Side Dishes of Love
- Support for Rehabilitation Treatment and Family Healing Camp for Children with Disability

Social Enterprise Support
- Support for Euumpyeong and Sebitseom Branches of Goodwill Store
- Support for Together Foundation’s businesses
- Support for social enterprises creating new jobs (Com-Bridge with Eden Welfare Foundation)
- Support for the “Happiness Factory” Program of the EDEN Welfare Foundation

Global Sharing
- Free Treatment Project in Vietnam (Miso Expedition Group)
- Global Meal Sharing of Love
- Joint Global Volunteering Program with the Export-Import Bank of Korea

Miscellaneous
- Volunteer work by new recruits (Sharing coal briquettes of love / Volunteer work to support senior citizens who live alone)
- Donation of sponsorship funds and blood donation cards to Korean Association for Children with Leukemia and Cancer
- Sponsorship of Red Cross
- Sponsorship of for the ‘Forest Conservation’ Project for Noeul Park

Culture and Art Sponsorships
- Music Education for Handicapped Children
- Sponsorship of AC3I Youth Orchestra Music Camp
- Sponsorship of Daehangno troupes
- Support for young performance organizers’ establishment of companies
- Cultural heritage protection activities (Changdeokgung Palace preservation)

Support for Patriots and Veterans
- Sponsorship of Korean War Veterans (Houses for patriots)
- Sponsorship of 1-company, 1-army barracks (Army 1st Corp)
- Sponsorship of the establishment of a memorial park for war heroes and of commemorative event (Foot of Peace)

- Support for the Federation of Korean Industries daycare project
- Employee blood donation
- Donation Drive for Victims of Typhoon Chaba
- Donation Drive for Victims of the Seomun Market Fire in Daegu

- Sponsorship of Yo Yo Ma & Silk Road Ensemble performance
- Sponsorship of Violence Prevention Musical
- Sponsorship of Korea-Japan Culture Festival
- Sponsorship of National Museum of Korea music performances

- One company to one grave volunteer work (Seoul, Daegu, Yeongcheon)
- Donation of book cafés to military bases
ECO-CONSCIOUS MANAGEMENT

To ensure a sustainable global environment, Hyosung is working to guard and produce more greens.

We at Hyosung are committed to fulfilling our social responsibility of preserving our precious environment and living up to our belief in environmental sustainability for a cleaner tomorrow.
CO₂ Reduction, High-efficiency Energy
Waste Disposal and Recycling

The increasing level of pollution is continuously threatening life on Earth. Hyosung is leading the field in developing core technologies that reduce waste energy and carbon dioxide generation for a low-carbon, green growth era, including high-efficiency electronic pumps, energy storage devices, H₂/CNG filler equipment, LEDs, low-temperature processed yarn, etc.

In addition, it provides environmentally friendly technologies that purify polluted environments and recycle waste resources and, thereby, contributes to revitalizing the Earth’s health and restoring clean living environments. Hyosung continues to develop environmentally friendly technologies, such as wastewater processing, methane gas recycling, environment-friendly yarn, etc.
GLOBAL NETWORK

DOMESTIC

TEXTILE & INDUSTRIAL MATERIALS
ULSAN PLANT (Nylon/Polyester chips, Nylon fibers, Polyester fibers, Tire cords, Aramid)
GUMI PLANT (Spandex, Polyester fibers)
ANYANG PLANT (Rolled carpets, Automotive carpets, Nylon BCF)
EONYANG PLANT (Steel cords, Bead wires)
DAEJEON PLANT (Tile carpets, PP BCF, Nylon films)
JEONJU PLANT (Dyeing)
JEONJU PLANT (Carbon fibers)

POWER & INDUSTRIAL SYSTEMS
CHANGWON PLANT (Transformers, Circuit breakers, Motors)
SEJONG PLANT (PV inverter, STATCOM, Welding machine)
HGS CHANGWON PLANT (Pumps)

CHEMICALS
YONGYEON PLANT 1 (PP/DH, NF)
YONGYEON PLANT 2 (TPA, Polyketone)
YONGYEON PLANT 3 (TAC films, PET films, NF)
GUMI PLANT (Polyester films, Nylon films)
OKSAN PLANT (TAC films)

TRADING / INFORMATION & COMMUNICATION
GUMI PLANT (ATM)
GWANGJU FROZEN STORAGE

NORTH AMERICA

USA
Hyosung Holdings USA, Inc. (Headquarter)
Hyosung Holdings USA, Inc. (Houston Office)
Hyosung USA, Inc. (Headquarter)
Hyosung USA, Inc. (Decatur Plant)
Hyosung USA, Inc. (L.A. Office)
GST LLC – South Hill
GST Automotive Safety Components International LLC
GST U.A.S., Holdings, Inc
HICO America Sales and Technology, Inc.
Nautilus Hyosung America, Inc.
Global Software Center (Ohio, USA)

CENTRAL & SOUTH AMERICA

BRAZIL
Hyosung Do Brasil Ltda.
Hyosung Brasil Indústria E Comercio De Fibras Ltda.

MEXICO
Hyosung Corporation Oficina de Mexico
GST Automotive Safety Components International S.A. de C.V.
GST Safety Textiles Mexico S. de R.L. de C.V
Hyosung Mexico S. de R.L. de C.V

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