The Challenges and Growth achieved by LG will continue with New Will of LS Industrial Systems.
To advance to the next level, LG Industrial Systems is reborn as LS Industrial Systems. LS Industrial Systems will continue to lead the future of industrial electrics and automation by providing Total Solution, a core essential for competition in the 21st century industrial era.
Thanks to your continued support over the past 30 years, LS Industrial Systems has been able to reach its current position and then start afresh with a new CI and a new name, LS, since March 14th, 2005.

The LS group, which includes 17 affiliates with total assets of US 4.86 billion dollars, was ranked 15th among Korean conglomerates.

Under the corporate philosophy of “Always with Our Customers,” LS industrial Systems ensures the highest value for its customers, contributes to social development, and provides a space where LS families can make their dreams come true.

With a new CI and name, LS Industrial Systems will become a Total Solutions Provider - the one you’ve always hoped for.

As in the past, so with the future: we hope that we can count on your continuous support and make LS Industrial Systems the No. 1 leader in the industrial electrics and automation markets, both at abroad and home.

Many thanks,

Chung-Man Kim
President and C.E.O.
The Corporation that constantly progresses into the future

Leading Solution! Limitless Satisfaction!

<table>
<thead>
<tr>
<th>LS Industrial Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS is an abbreviation of “Leading Solution.” It expresses the commitment of everyone at LS Industrial Systems to grow as a Total Solution Provider with IT and break away from the individual components manufacturing business.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arrow Point</th>
<th>Arrow Point symbolizes our strong drive to constantly move toward the future as a corporation that is opening up a new paradigm of unlimited expansion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Color</td>
<td>Red symbolizes the mindset of entrepreneurs ready to face a challenge</td>
</tr>
<tr>
<td>Blue Color</td>
<td>Blue symbolizes transparency and soundness</td>
</tr>
<tr>
<td>Shape</td>
<td>Round Gothic Type symbolizes courtesy and consideration of the LS family towards its customers</td>
</tr>
</tbody>
</table>
“Prepared Independence” to be specialized and reinforce competitiveness

In order to strengthen its global competitiveness through the specialization of its business divisions, the LG group has divided into three groups: LG for electronics and chemicals; LS for industrial electrics and automation; and GS for energy, distribution, and retail services.

The No.1 market leader in industrial electrics and automation in Korea, LS Industrial Systems has set itself mid and long-term goals to become “a corporation of outstanding quality and product development.” We intend to focus on system businesses with advanced IT rather than on producing simple devices. Through this new focus, we will become the No. 1 Corporation and lead the global market into the future.

Under the corporate philosophy of “Always with Our Customers,” LS Industrial Systems will continue to provide the-state-of-the-art technology and differentiated solutions to maintain its status as one of the most recognized brands in overseas and domestic markets.
Since 2005, the LG group has divided itself into three groups: LG for electronics and chemicals; LS for industrial electrics and automation; and GS for energy and distribution & retail services.
Total Solution Provider - LS Industrial Systems

LS Industrial Systems has retained business divisions that provide Total Solutions for its customers.

Since its establishment in 1974, LS Industrial Systems has been leading the electrics and automation industries with its advanced technologies. With 30 years of accumulated experience and know-how, LS Industrial Systems will set a standard for digitalization that could transform the future of the electrics and automation businesses.

Value Creation & Customer's Success
30 Years of LS Industrial Systems

With policies of “Selection & Concentration,” LS Industrial Systems will advance to the next level to become one of the global players.

Listing of the corporation for renewed dynamism and growth
Goldstar Instrument and Electric Corp., Ltd. found in 1974
Goldstar Industrial Systems Corp., Ltd. found in 1987
Listed at KRX in 1994

Second takeoff through selection and concentration
Merged with LG Metal Corp., Ltd. in 1999
Sold off copper smelting business and vending machine business in 1999
Separated from affiliates and incorporated into the LG cable group in 2003
CI changed to LS Industrial Systems in 2005

Through continuous innovative activities, LS Industrial Systems has built the organizational capabilities that can overcome any business obstacles.
Our corporate philosophy is “Always with Our Customers.”

A manufacturer of outstanding quality and product development

LS Industrial Systems has set mid and long-term goals to become "a corporation of outstanding quality and product development," and is planning to focus on systems business with advanced IT rather than on producing simple devices. Through this new focus, we will become the No. 1 Corporation and lead the global market into the future.

A corporation that is always with its customers

Under the corporate philosophy of “Always with Our Customers,” LS Industrial Systems will continue to provide the-state-of-the-art technology and differentiated solutions to maintain its status as one of the most loved brands in the overseas and domestic markets.
We provide differentiated values.

The world-class Power Testing & Technology Institute guarantees certified products and global brands.

The PT&TI is an accredited testing laboratory that provides a worldwide testing service with a 1500MVA-capacity High Power Laboratory, a High Voltage Laboratory, and a Reliability Testing Laboratory. Its testing has been fully acknowledged and recognized by overseas testing certification bodies, such as KEMA of Netherlands, UL of America, and CE of the EU for its low voltage testing.
Packaged engineering services for customers
LS Industrial Systems provides Total Solutions that far exceed the expectations of its customers.

LS Industrial Systems has transformed itself into a Global Leader in electrics and automation to create an ideal and productive industrial society based on the highly profitable Engineering Device Business.

Contents of Business Sectors

<table>
<thead>
<tr>
<th>Devices</th>
<th>IT, Intelligence &amp; Complexity, High Performance &amp; Features, Exclusivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems</td>
<td>Finding Exclusive Markets, Differentiation, Killer Application Development</td>
</tr>
<tr>
<td>Solutions</td>
<td>High Added Value, Packaging/Visualization</td>
</tr>
<tr>
<td>Proportion of Overseas Sales : 40%</td>
<td></td>
</tr>
</tbody>
</table>

Mid & long-term strategic directions distinguish ourselves from our competitors in rapidly changing circumstances.

<table>
<thead>
<tr>
<th>Strategic Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reinforcing existing business</td>
</tr>
<tr>
<td>Securing next generation business</td>
</tr>
<tr>
<td>Driving new business</td>
</tr>
<tr>
<td>Increasing focus on overseas markets</td>
</tr>
<tr>
<td>Securing differentiated capabilities</td>
</tr>
</tbody>
</table>

- Strengthening Marketing Activities
  - Reorganizing distribution channels
  - Expanding and supplementing overseas networks and distribution channels
  - Focusing on strategic countries and selection & concentration by customized products

- Building Product Capacity
  - Developing leading global products (product range & solutions skills)
  - Developing wide range of quality products
  - Developing next generation products demanded by the market

- Expansion of Business Areas
  - Exploring new business opportunities

- Securing Differentiated Capabilities
  - Fostering new product development
  - Securing cost advantages through innovative activities
  - Securing marketing abilities
Advanced Technologies & Up-to-date Production Capabilities

To accomplish its goal of becoming a global supplier, LS Industrial Systems has employed greater human resources and materials efficiently for rapid and flexible operational capacity.
Searching for New Business Opportunities

LS Industrial Systems continuously seeks new business opportunities that will shape the future.

<table>
<thead>
<tr>
<th>Power Quality Business</th>
<th>Development of Electronic Product Quality Improvement and business launching based on high-quality monitoring and diagnosis systems, and Customs Power Devices (CPD) including a Power Quality Meter (PQM) to solve the quality problems of electric products</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFID Business</td>
<td>Contactless reorganization devices using radio frequency, Automation Identification and Data Capture (AIDC) business</td>
</tr>
<tr>
<td>u-City (Ubiquitous City)</td>
<td>Finding and establishing u-power, u-Transportation, and Telemetric business in connection with u-City, the next artificial modern city, by applying the technology of the ubiquitous computing network and the concept of convergence to objects, spaces, people, and activities.</td>
</tr>
<tr>
<td>Electric Management Solution</td>
<td>Localization of the Energy Management System (EMS)-essential infrastructure of the electric system based on advanced domestic IT technology and accumulated operational skills</td>
</tr>
<tr>
<td>Decentralized Power Supply</td>
<td>Development of a Power Conditioning Unit (PCU) that converts the electricity from Decentralized Power Supply (DPS) into an AC source required for loading or systems</td>
</tr>
<tr>
<td>Demand &amp; Load Management</td>
<td>Development of solution and Load Aggregator (LA) business that is tagged to solve electricity shortages through Negative Power supply and make savings in energy costs for customers</td>
</tr>
</tbody>
</table>

Introduction of Leading Global Products

Based on the procedures of its Top-LSIS product development, LS Industrial Systems has developed and launched leading products.

As a part of the LSIS product development activities, all of our business divisions are engaged in Top-LSIS from the beginning of the product planning stage through to the launch of the product onto the market. In other words, a cross checking process involving every department helps to upgrade the level of the finished product before introducing it to the market.

![New Concept Product PLC (XGT)](image)

**Fast, Compact, Open Network Solution**

- Fast CPU processing
- Smallest size
- Integrated programming & engineering
- System integration of an open network
- Program modulation and tasking

**The new generation circuit breakers, equipped with multi-function and protection discrimination, cascading, and type 2 coordination.**

- Ampere Frame: 100/160/250/400/630/800AF
- Ultimate breaking capacity (kA rms): 150kA @ 415Vac (Ics=100%Icu)
- Various interchangeable trip units
- Electronic Trip Unit: communication, monitoring, and local indications
- Modular system for a wider range of adaptable modules: AX, AL, SHT, UVT, Plug-in versions, Motor operator etc.

![New Generation MCCB/ELCB](image)

**New global MC/TOR, with tightly covered structure for minimal exposure of arc, possesses various terminals made from materials guaranteeing protection of the environment and enhanced convenience.**

- Ampere Frame: 32/63/95AF
- Direct connection with MMS
- Minimization of arc exposure
- Lug, Screw Terminal
- Environmental protection
- Various accessories

![Global MC/TOR](image)
We are moving towards the global market.

We will build our name as a global brand that is recognized throughout the world for its high-quality products and services, and the efficiency of its human resources. We will reach our goal of becoming a global corporation in tune with the global economy.
A corporation that is embracing the world

LS Industrial Systems has been expanding its global production bases and rapidly complying with the demands of its customers.

LS Industrial Systems pursues continuous growth through regional differentiation by expanding its overseas business from the growing markets in China and Southeast Asia to those in the Middle-East, Central & South America, and Europe.

**Main Strategic Business**
- Entering the Top 5 Players of the major countries
- Marketing activities based on ACE, PMS, & PM
- Securing the competitiveness of its technical support and services

| Production bases          | Cheongju, Chonan, Janghang (Korea)  
|                          | Dalian, and Wuxi (China), Hanoi (Vietnam)  
| Overseas Branches        | Shanghai, Beijing, Guangzhou, Chengdu, and Qingdao (China), Dubai (UAE), Tokyo (Japan), Germany (Expected)  
| Service Centers          | Shanghai, Beijing, and Guangzhou (China)  

![Map of LS Industrial Systems' global presence](image-url)
You can count on us.

New Face & New Resolution
To become a global leader that gives top priority to customer values

We promise you that LSIS will be reborn as a corporation that returns the best values to its customers.

We are committed to global product development, driving future growth, and expanding the overseas market share, as well as consolidating existing business.

Join us in a future where LS Industrial Systems will become a genuine global leader.
Customer satisfaction with world-class products and services: LS Industrial Systems is committed to excellence!

**Electric Power Industry | Electric Equipment & Systems**

The electric equipment and systems of LS Industrial Systems, ranging from low to high voltage products, have not only acquired ISO 9001 and 14001 certification for their efficient design and excellent quality, but many other certificates, including KEMA, TUV, CESI, ASTA, and KERI. The outstanding quality of the products that we are manufacturing conforms to international standards such as IEC, UL, ANSI, CCC, JIS, and KS.

We also provide Total Solutions that encompass customized designs and more advanced technology, as well as efficient production and installation, and highly accurate testing and analysis of power equipment.

**Automation Industry | Automation Equipment, Industrial IT & RFID**

LS Industrial Systems, a leading pioneer of the domestic automation business, developed the first ever PLC, Inverter (AC Drive), and DCS in Korean automation history. We now provide Total Solutions through the diverse application of our own products, ranging from controllers to control systems that are based on sophisticated technology and proven experience, to bring innovative change to distribution systems and logistics.

**Industrial Equipment Industry | Metal Processing & Electric Power Tools**

In addition to supplying basic industrial material, such as copper tubes and STS pipes to the electronics and chemical industries, LS Industrial Systems also manufactures and supplies electric power tools that have been recognized for their excellent performance capabilities in over 38 countries.
Industrial IT
- Power IT, SCADA, Distributed Control System
- Railway Signaling & Control System
- ITS, Toll Collection System
- Dispersed Generation & Storage System, Photovoltaic System

Metal Processing & Electric Power Tools
- STS Pipes
- Copper Tubes
- Electric Power Tools

RFID
- Tag
- Reader
LS Industrial System’s global network provides the highest quality of products and services

Tokyo, Japan
LS Industrial Systems Tokyo Office
Dalian, China
Dalian LS Industrial Systems Co., Ltd
Beijing, China
LS Industrial Systems Beijing Office
Chengdu, China
LS Industrial Systems Chengdu Office
Qingdao, China
LS Industrial Systems Qingdao Office
Dubai, U.A.E.
LS Industrial Systems Dubai Rep. Office
Hanoi, Vietnam
LS-VINA Industrial Systems Co., Ltd
LS Industrial Systems Hanoi Office
Shanghai, China
LS Industrial Trading (Shanghai) Co., Ltd
LS Industrial Systems Shanghai Office
Guangzhou, China
LS Industrial Systems Guangzhou Office

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Tel: 86-532-580-2539 Fax: 86-532-583-3793 e-mail: bellkuk@hanmail.net
## Project List

### Electric Power Industry | Electric Equipment & Systems

**2005**
- Supplied 12kV switchgear and low voltage switchgear to General Electric Company/Daewoo E&G, Libya
- Supplied Switchgear and Electric Equipment to Desalination facilities, Oman
- Supplied Ultra voltage GIS to Power Distribution Company, Iran
- Supplied Ultra voltage GIS, switchgear, electric equipment, and transformers to LG Phillips LCD in Paju, Korea
- Supplied Phynex switchgear and electric equipment for POSCO, Korea
- Supplied 13.8kV and 4.16kV switchgear, LV & MCC to Hansol EME, Korea
- Supplied SCADA system 25.8kV GIS-43 Bay to Incheon International Airport, Korea

**2004**
- Supplied GIPAM-2000 and other metering equipment to Daejeon, Daegu, and Busan subways, Korea
- Supplied 145kV GIS, switchgear, transformers, & SCADA to Taekwang/Sangsuk Plant, China
- Supplied Ultra GIS, switchgear, transformers, and diagnosis system to LG electronics PDP plants, Korea
- Supplied Ultra GIS, switchgear, electric equipment, and transformer to POSCO, Korea

**2003**
- Supplied DPR to Samsung electronics Souju plant, China
- Supplied 11kV switchgear to Al Mabani Contracting Co., Bahrain
- Supplied 138kV control panel and Relay Panel, Battery & Battery Charger, AC/DC panel to Hyundai Engineering, Nicaragua
- Supplied 6.6kV switchgear to Kubota/Arake Engineering company, Japan
- Supplied 6kV switchgear, low voltage switchgear, MCC, Main Distribution panel, Fault alarm panel to TOYO engineering company, Russia
- Supplied low voltage switchgear, battery & battery panel, and MCC to Samsung corporation, Russia
- Supplied IAT (Inter Airport Transit) to Incheon International Airport, Korea
- Supplied 13.8 & 4.1 kV switchgear, LV & MCC, Capacitor bank, Battery & Battery charger, 132kV Relay protection & Control, fault recorder & etc. to Hansol EME, Korea

### Automation Industry | Automation Equipment & Industrial IT

**2005**
- Supplied XGT PLC to Hyundai motors Nammyang plant, Korea
- Supplied main boiler control system to Pyeongtaek Thermal Power Plant #1~#4, Korea
- Supplied signaling & telecommunication double track railway system to the State Railway of Thailand, Thailand
- Supplied modernization of signaling & interlocking system to Bangladesh Railway, Bangladesh

**2004**
- Supplied ATC/ATS to Korea National Railroad, Korea
- Supplied CAL line Inverter systems to POSCO, Korea
- Supplied GLOFA PLC systems to LG electronics, Korea
- Supplied GLOFA PLC systems to Ssangyong Motors, Korea
- Supplied GLOFA View to Hankook Tire, Korea
- Supplied GLOFA PLC systems to Kumho Tire in Namkyung, China

**2003**
- Supplied Smart I/O to Hyundai Motors in Beijing, China
- Supplied Inverter to Hyundai Motors in Alabama, USA
Leader in Electrics & Automation