



Global Best Provider of Electrical & Electronic Solutions

Hansol Technics

Company Profile

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Hansol Technics



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Our Mission

MISSION



Achieve
Competitive Advantage
through Differentiation



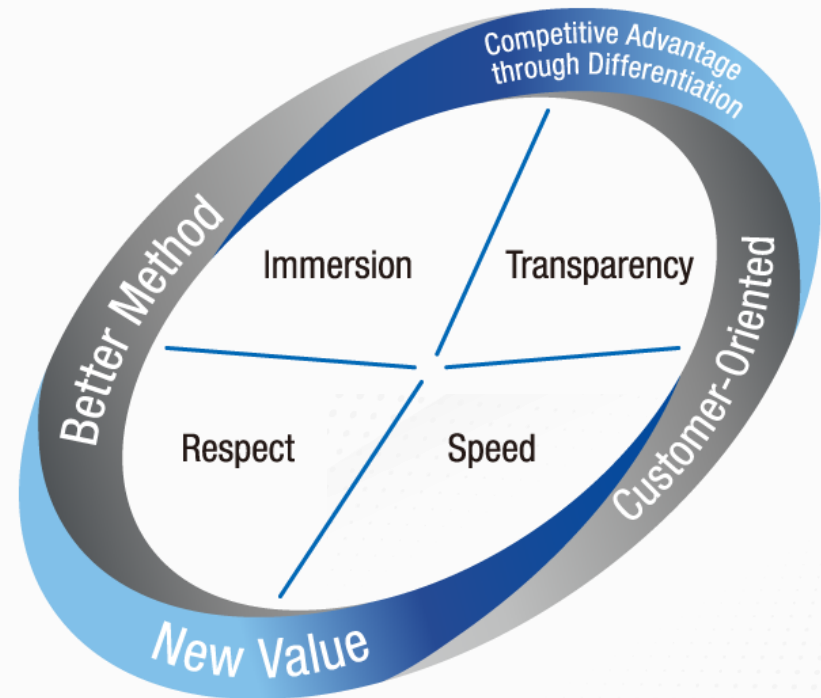
Value Maximization



Sustainable
Development
with Customers

Our Principles

PRINCIPLE



Hansol Group

Hansol Technics | Hansol Group

Hansol is strengthening its position in the global market based on its excellent competitiveness and expertise. Hansol aims to continuously grow together with customers through achieving maximum value.



Material Business

Hansol Technics

- Hansol IONES

Hansol Paper

- Hansol EcoPackaging

Hansol HomeDeco

- Hansol VHOM

Hansol Papertech

Hansol Chemical

- Tapex
- Sol Materials
- HS Materials
- Hansol Electronic Materials Co., Ltd.



Solution Business

Hansol Logistics

- Hansol TCS
- Hansol LogisYou
- Logismile

Hansol Inticube

- Stickers Corporation

Hansol PNS

- Hansol BS
- Hansol Coever



R&D Business

Hansol Paper Technology Research Institute

Introduction

Aspiring to be the Global best provider of electrical & electronic solutions,
we aim to achieve our business goal through distinctive technical capabilities and ongoing innovation.

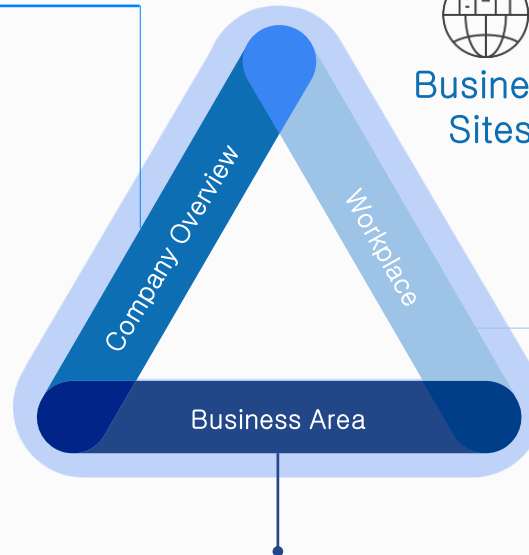


Company Overview

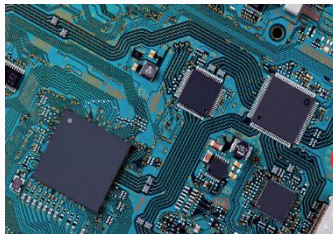
Foundation	1995
CEO	Yoo, Kyung Joon
Revenue	1.6T KRW (2023)
Employee	11,000 employees (600 domestic, 10,400 international)



Business Sites



Business Area



Electronic Components



Automotive Parts



Energy Solutions



Smartphones

Competitive Technology

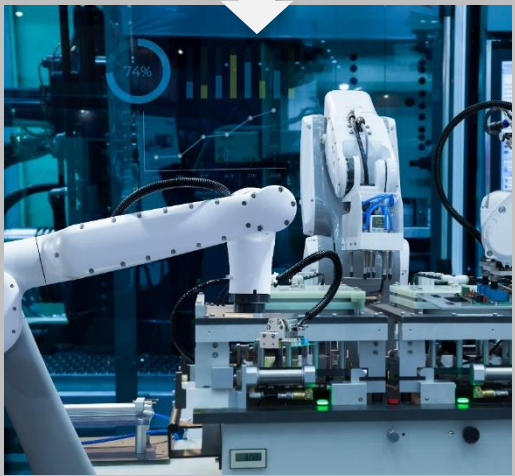
Hansol Technics | Competitive Technology

Hansol Technics is creating future value with its outstanding technological capabilities.

One-Stop Solution for Electrical & Electronic Components



- Core technologies related to the conversion, control, and communication of power (thermal/optical/mechanical/circuit design)
- Extensive business experience and accumulated know-how with global top players



Highest Level of Quality Management



- Operating Automation Lines of Production and Inspection
- Established High-Quality Management System
- In-House Design and Development of Automation Platform Lines



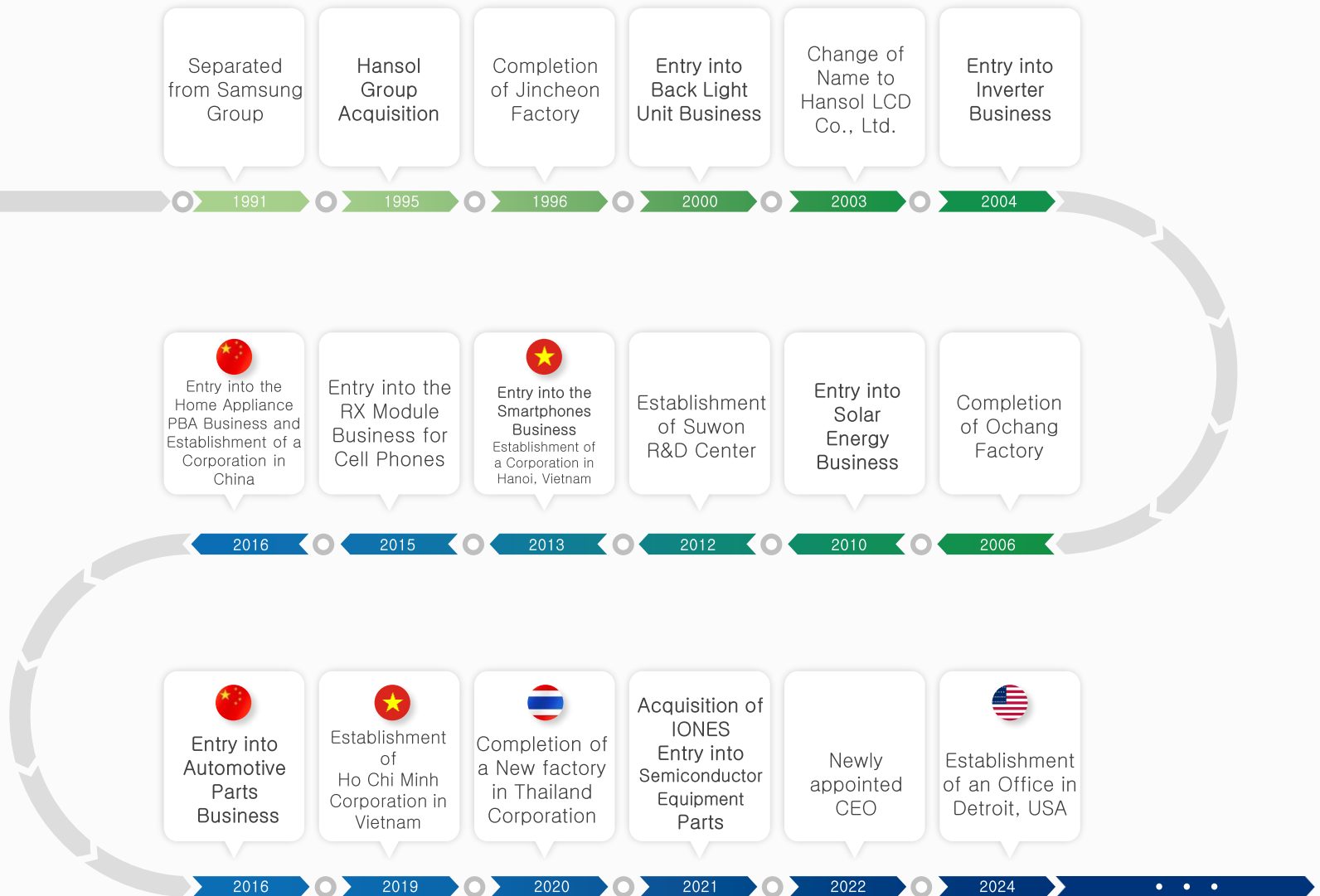
Global Smart Factory



- Overseas sites with manufacturing competitiveness
(Hanoi & Hochiminh Vietnam, Thailand, China)
- Cost competitiveness
- Supply stability
- Security stability



Company History



Business Area

Business Status | Business Area



Electronic Components



- Circuit Board for TV
Power Board
3in1 Board
- Circuit board for Home Appliances
Power Board
Inverter Control Board



Automotive Parts



- For Automobiles
LED Lamp
E-shifter
Wireless Charging Transmitter
Module (TX)



Energy Solutions



- For Power generations
Normal Solar Modules
Building-Integrated Photovoltaic
Modules (BIPV)
- **Signage Solar Modules (Media PV)**
- **IR and UV LED Solutions**



Smartphones



- **Mobile Phone and Tablet**
Assembly Business (EMS)
- **Wireless Charging Receiver**
Module (RX)

Electronic Components

We provide TV and home appliance power products with excellent performance and stable quality, contributing to our customers' innovation.

Automotive Parts

We offer LED lamps and automotive parts with advanced power control technology and high reliability, enhancing customers' quality trust in product quality.

Energy Solutions

We lead in creating value with high-quality, cost-effective, eco-friendly solar modules and LED solutions.

Smartphones

Through our manufacturing expertise, we grow with customers, offering wireless charging modules and EMS for smartphones and tablets.



1. Electronic Components

Delivering the Best Quality with Outstanding Circuit Design and Manufacturing Capabilities

01  

Circuit Board for TV



Power Board



3in1 Board

Power Board : Power supply board for stable power delivery to TV and display

3in1 Board : Integrated circuit board that combines the video board and tuner on the power board

Key advantages

- Providing ODM based on in-house design capabilities
- Customized design ranging from premium to entry models
- High efficiency, low power consumption, and component slimming
- Suitable for customer assembly process and automation

02 

Circuit board for Home Appliances



Refrigerator



Air Conditioner



Vacuum Cleaner

Power Board : Power supply board for stable power delivery

Inverter Control Board : board controlling motor movement and speed

Key advantages

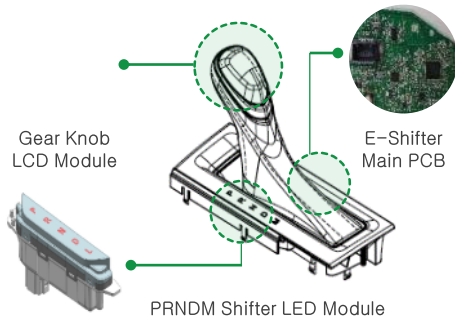
- Providing ODM based on in-house design capabilities
- High efficiency, low power consumption
- High-quality reliability and stable function

2. Automotive Parts

Building Strong Partnerships with Global Customers Based on High Reliability and Stability

01  

Electric Shifter (E-shifter)



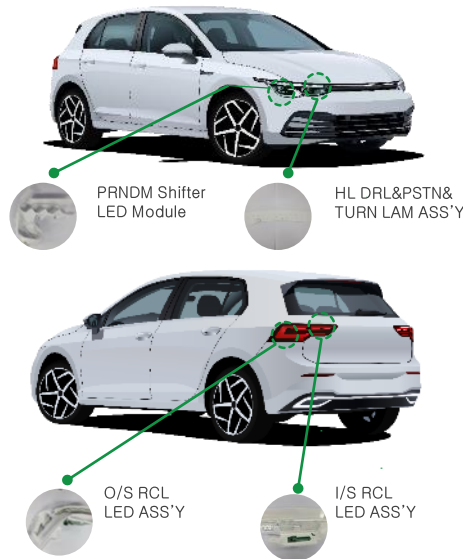
- PCB for Electronic Detection and Control of Automotive Gear Shifting
- LED/LCD Module for Gear Shifting Lever Position Verification

Key Advantages

- Complies with ISO-11898 standard
- Optimized circuit design
- High durability and stability

02 

LED Lamp



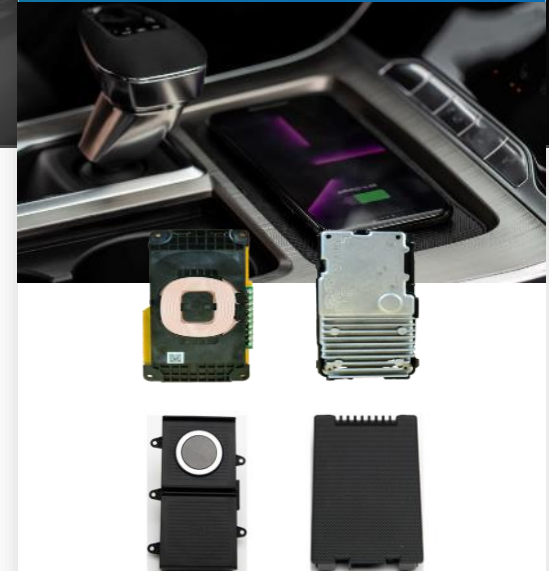
LED vehicle interior and exterior lights (headlamps, turn signals, taillights)

Key Advantages

- High efficiency and low power consumption compared to halogen lamps
- Optimized circuit design

03 

Wireless Charging Transmitter Module (TX)



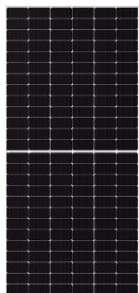
Application of wireless charging for smartphones to the TX PAD for vehicles

3. Energy Solutions

Providing Future-Oriented Energy Solutions by Combining High Output and Environmentally Friendly Technology

01 

Normal Solar Modules



Solar module design that meets high output, high quality, and manufacturing competitiveness

Key Advantages

- **High power generation**
Maximizing power efficiency through two-sided generation
- **High durability**
Front: 5,400 Pa
Rear: 2,400 Pa
- **Maximum system voltage**
Cost Savings on Installation

02 

Building-Integrated Photovoltaic Modules (BIPV)



Combined the function of building exterior materials with solar power generation

Key Advantages

- **Acquired BIPV certification**
- **Application of BIPV-specialized structures.**
Application of Z-BAR structures, beneficial for wall installation.

03 

Signage Solar Modules (Media PV)



Integrated solar modules and digital LED lighting

Key Advantages

- **Integration of solar power generation and LED media**
- **Established the world's first Media PV production system**
Domestic KS certification and domestic/international patent applications.
- **Wall-mounted structures**
Providing structures optimized for BAPV and BIPV
(Building-integrated solar BAPV, BIPV capable)

3. Energy Solutions Offering IR and UV LED Solutions Applicable to Various Industries

04 

UV LED Curing System



UV Curing Machine Generating
Chemical Reactions with
Short Wavelengths
on Photosensitive Coating Materials

Key Advantages

- Maximizing heat dissipation efficiency.
- Providing customizable manufacturing capabilities for wavelength and size.
- Application of cutting-edge methods and advanced technology solutions.

05 

Infrared (IR) LED Curing System



Hansol's Specialized Cooling System
using IR LEDs

Key Advantages

- Maximizing heat dissipation efficiency.
- Manufacturing capability for customizable wavelength and size
- Application of cutting-edge methods and advanced technology solutions.

06 

UV LED Module for Sterilization



Applying Infrared LED Inspection
for Chemical Reactions on Surfaces
in Heat Treatment Processes

Key Advantages

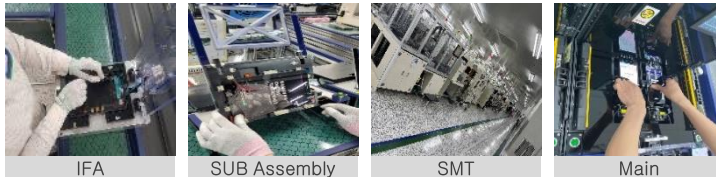
- Self-emitting wavelengths for deodorizing and sterilizing effects, utilizing a combination of UVA and UVC wavelengths
- Self-cooling structure
- Sterilization air filters for medical or home use

4. Smartphones

Partnering in Next-Generation Mobile Communication Technology with Unique Component Design and Exceptional Manufacturing Expertise

01 

Mobile Phone and Tablet Assembly Business (EMS)



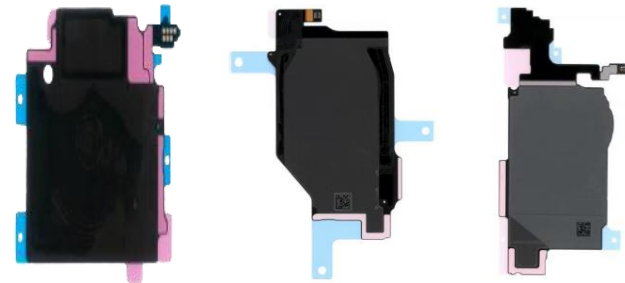
Securing Global No.1 Manufacturing Competitiveness
Providing Total Solutions from Components to Set Assembly

Key Advantages

- Excellent Manufacturing Competitiveness
- Industry-Leading Quality Control
- Skilled Workforce and Customer Delivery Satisfaction
- Know-how for Advanced Device Manufacturing

02 

Wireless Charging Receiver Module (RX)



Flexible Antenna Device for Mobile Wireless Communication (NFC),
Samsung Pay(MST) and Wireless Charging (WPC)

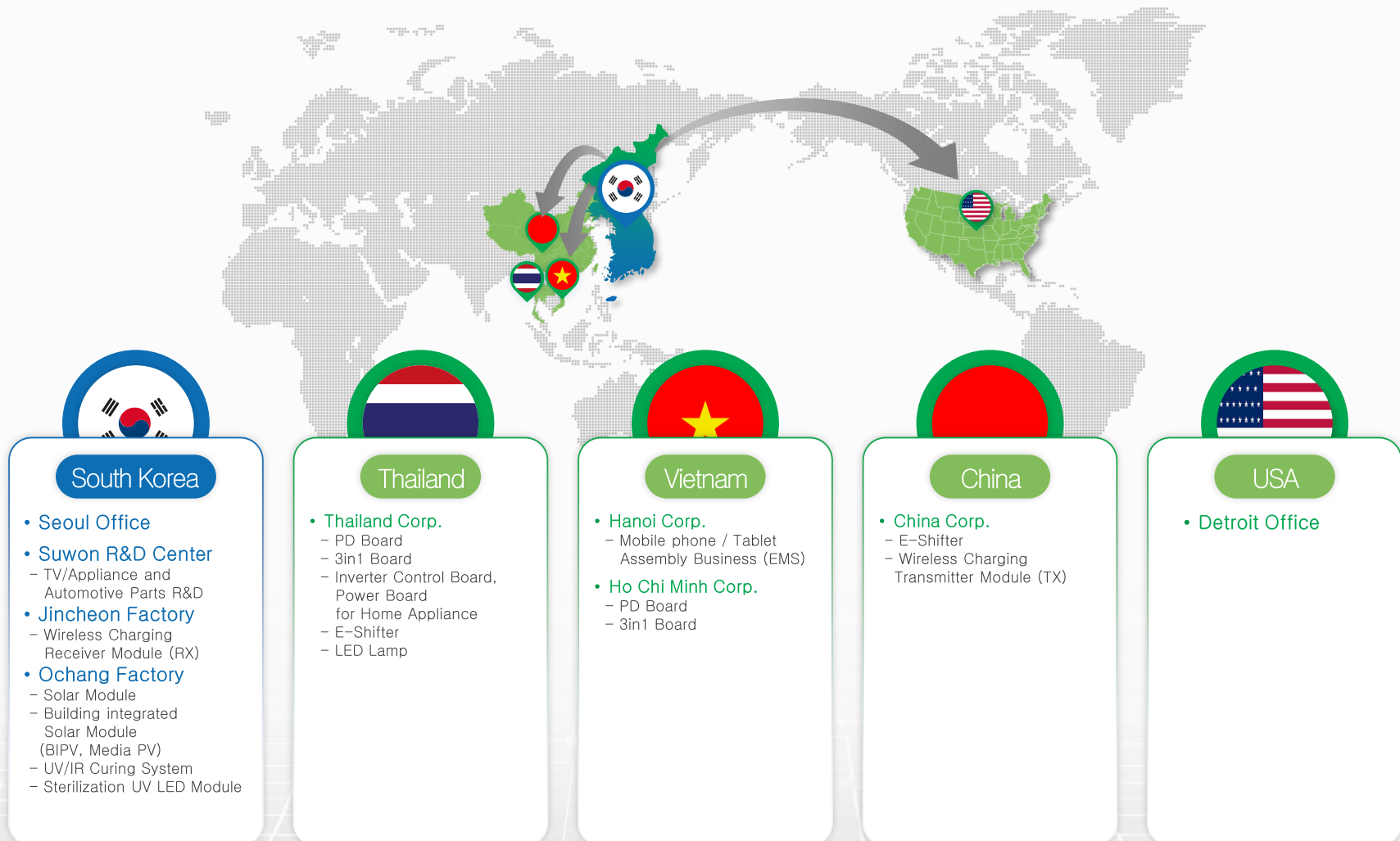
Key Advantages

- Implementation of Differentiated Circuit Design
Technology for Improved Wireless Charging Efficiency
- Optimal Mechanical Solutions for Slimmed-Down Product
- Application of New Manufacturing Methods and Innovative Technologies

Global Network

Business Status | Global Network

We strategically established overseas corporations and offices in Thailand, Vietnam, China, and the United States to enhance global competitiveness.





Jincheon Factory

Location

55 Hansam-ro, Jincheon-gun, Chungcheongbuk-do

Area

Land Area: 31,404 square meters,
Floor Area: 46,280 square meters

Main Products

Wireless Charging Module (RX)



Ochang Factory

Location

140, Gwahaksanup 1-ro, Oksan-myeon,
Heungdeok-gu, Cheongju, Chungcheongbuk-do

Area

Land Area: 49,586 square meters,
Floor Area: 54,876 square meters

Main Products

Solar Modules, UV/IR Curing Systems and Modules



Suwon R&D Center

Location

6th-8th Floors, Digital Empire C Building,
1556 Deokyeongdae-ro, Suwon, Gyeonggi-do

Research Area

Electronic Components(Display & Home Appliances),
Automotive Parts, Wireless Charging Modules (RX)

Business Sites

Business Status | Business Sites



Hanoi Corporation

Date of Incorporation

May 23, 2013
(Mass production in August 2014)

Location

Yen Binh Industrial Park,
Thai Nguyen Province, Vietnam

Area

Land Area: 66,115 square meters,
Floor Area: 62,809 square meters

Main Products

Mobile/Tablet EMS



Ho Chi Minh Corporation

Date of Incorporation

December 10, 2019
(Mass production in April 2020)

Location

Ho Nai 2 Industrial Park,
Dong Nai Province, Vietnam

Area

Land area: 49,586 square meters,
Floor area: 31,404 square meters

Main Products

3in1 Board

Business Sites

Business Status | Business Sites



Thailand Corporation

Date of
Incorporation

Nov 3, 1995

Location

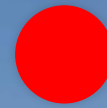
Chonburi Province, Thailand

Area

Land area: 66,115 square meters,
Floor area: 26,446 square meters

Main Products

PD Board, 3in1 Board
Inverter Control Board, Power Board
Automotive Parts(LED Lamp, E-shifter)



China Corporation

Date of
Incorporation

Oct 20, 2016

Location

Kunshan City, Jiangsu Province, China

Area

Office/Production Line:
1,123 square meters

Main Products

Automotive Parts
(E-shifter, Wireless Charging
Transmitter Module (TX))

ESG Management for Sustainable Business

Hansol Technics' Steps for the Future Generations

ESG Vision

An Eco-Friendly Electrical & Electronic Solutions Company for a Sustainable Future

ESG



Environment

Environmental Technology
Development and Product
Certification

Low-Carbon Product Development

Greenhouse Gas Reduction and
Energy Conservation

Carbon Emission Reduction Facility
Investment

Management of Environmental
Pollutants and Waste Materials

Environmental Facility Investment

Quality Management System
Certification

ISO 9001/ISO 14001



Social

Growth Together with Employees

Enhancing Intergenerational Communication
Culture through Forums and Meetings

Collaborative Growth with
Partner Companies

Operating a Co-Growth Program
Holding a Supplier Day event

Community Communication
and Engagement

Solar Module Donations for Local Communities
and Social Responsibility Initiatives

Certification of Occupational Health
and Safety Management System

ISO 45001



Governance

A Board of Directors with
Independence and Expertise

Voluntary Disclosure of Corporate
Governance Reports

Continuous Shareholder-
Friendly Policies

Strengthening Risk Management
System and Crisis Response
Capabilities

Conducting Legal Compliance Management
Assessment

Operating an ESG Metric Management
System

ESG Mission

Securing Competitive Advantage through Differentiation to Maximize Value
and Sustain Continuous Growth with Customers

Business Principles

Customer-oriented



New Value



Better Method



Competitive Advantage
Through Differentiation



Organizational Principles

Immersion

Transparency

Speed

Respect

Global Best Provider of Electrical & Electronic Solutions

Thank You

