Expanding Possibility

H!Factory

Hyundai Intelligent Factory

HYUNDAI ROBOTICS

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H!Factory

Enterprise

PLM | ERP/MRP | SCM | EAM

Manufacturing Intelligence

Manufacturing Execution	Logistics Optimization	Quality Optimization	Service / Energy Optimization
H!MOM Hyundai Manufacturing Operations Management	**H!Logistic** Hyundai L&S Logistics Solution	**H!QVision** Hyundai Quality Vision	**H!CS** Hyundai Consulting Service
H!MES Hyundai Manufacturing Execution System	**H!Fleet** Hyundai Fleet Management System	**H!Qwelding** Hyundai Welding Performance Management System	**H!AMS** Hyundai Remote Asset Management Service
H!RMS Hyundai Robot Management System	**H!ACS** Hyundai AGV Control System	**WeDAS** Hyundai Welding Monitoring System	**H!FEMS** Hyundai Factory Energy Management System
H!WeMaker Hyundai Robot Welding Maker	**H!RTLS** Real-time Location System	**HRVision** Hyundai Robot Vision	**HRSpace** Hyundai Robot Space

Edge Computing
IoT Edge device

Network

OPC UA, MQTT, Ethernet, 5G, WiFi

Ethernet/IP, Profinet, CC-Link, Devicenet

H!-Edge BOX(H!-RMS Connector)

Automation Equipment

Robot for industrial use

Collaborative Robot

Bin Picking

Smart Palletizing

ESS

Smart Motor

Thick Plate Welding Robot

H!RMS Connector

Mobile Robot/AGV

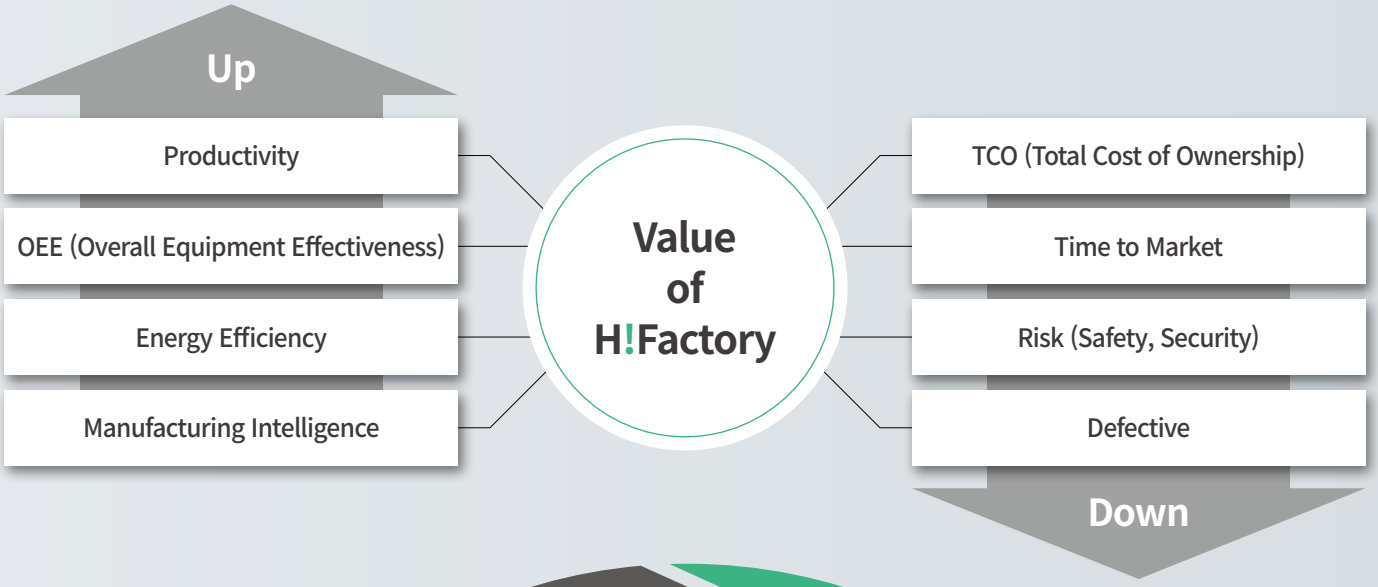
Self-driving Forklift

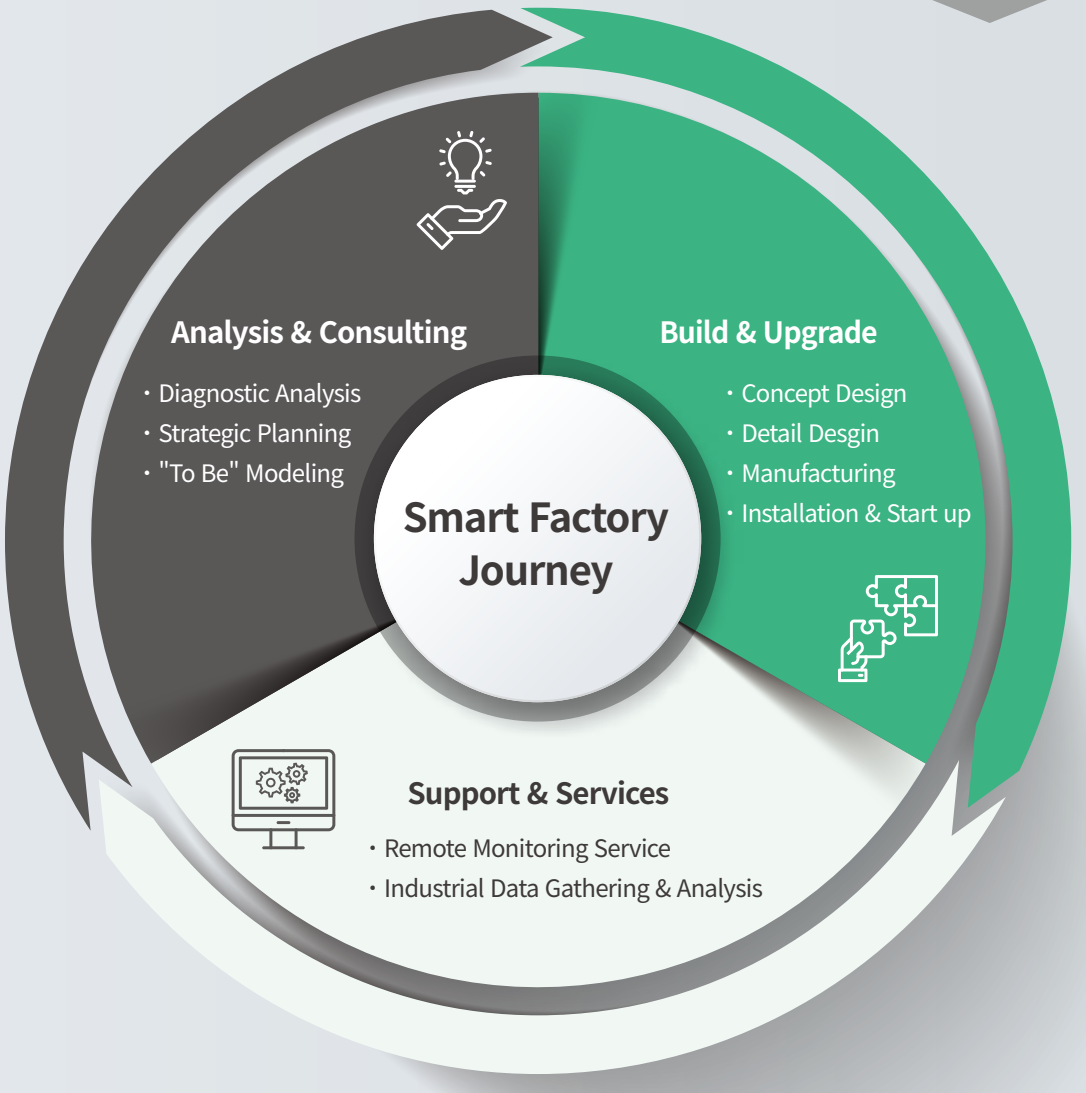
Smart Power Equipment

Smart Power Equipment

Manufacture | **Process Logistics** | **Energy**

Hyundai Robotics | Hyundai Construction Equipment | hyundai Electric





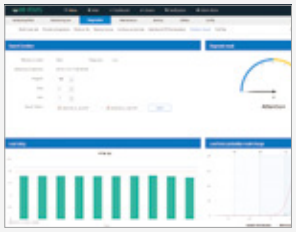
Smart factory is a journey for continuous innovation.
Hyundai robotics is offering a field centered industry solution and services.

Manufacturing Intelligence Solutions

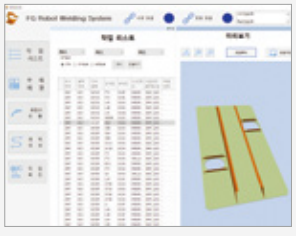
Manufacturing Execution

H!MOM
Hyundai Manufacturing Operations Management

H!MES
Hyundai Manufacturing Execution System

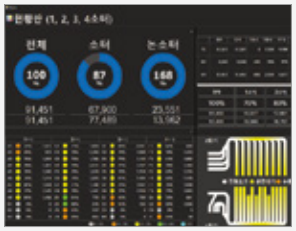


H!RMS
Hyundai Robot Management System

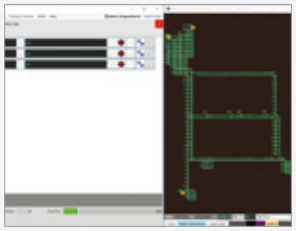


H!WeMaker
Hyundai Robot Welding Maker

Logistics Optimization

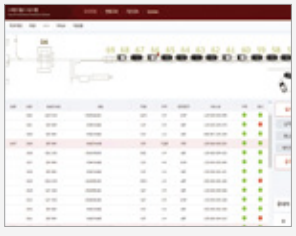


H!Logistic
Hyundai L&S Logistics Solution



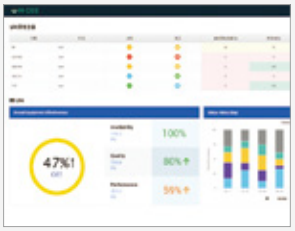
H!Fleet
Hyundai Fleet Management System

H!ACS
Hyundai AGV Control System



H!RTLS
Real-time Location System

Quality Optimization



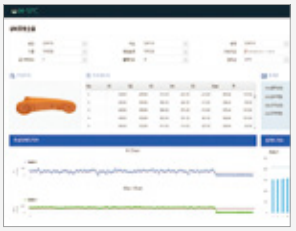
H!QVision
Hyundai Quality Vision

H!QWelding
Hyundai Welding Performance Management System

WeDAS
Hyundai Welding Monitoring System

HRVision
Hyundai Robot Vision

Service / Energy Optimization



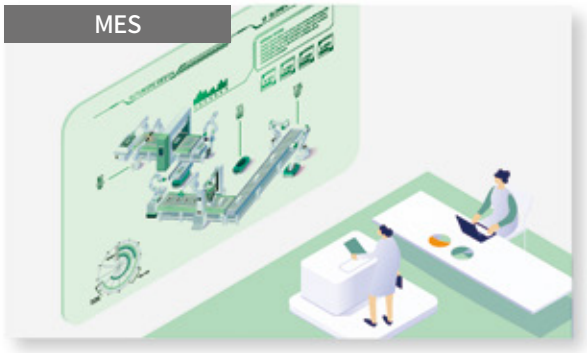
H!CS
Hyundai Consulting Service

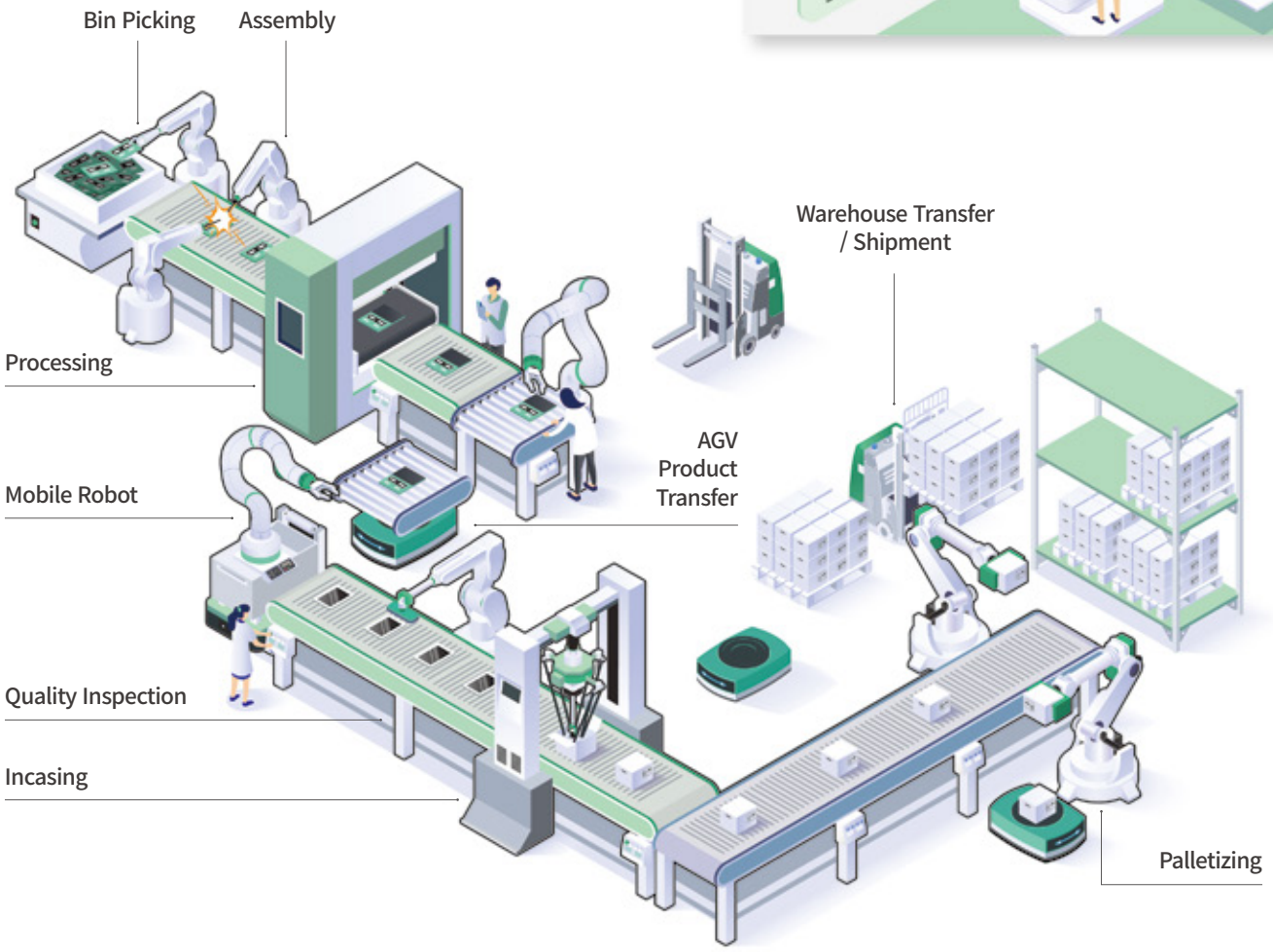
H!AMS
Hyundai Remote Asset Management Service

H!FEMS
Hyundai Factory Energy Management System

HRSpace
Hyundai Robot Space

Smart Manufacturing Solutions





Provide smart manufacturing solution integrating intelligent technology and factory automation experience

Fields : Semi Industry, Food Industry, Electronics Industry, Cosmetic Industry

Bin Picking

A robot with sensors and cameras attached to it pick-up known objects with random poses.

Incasing

A delta robot with vision system detecting objects and incasing it.

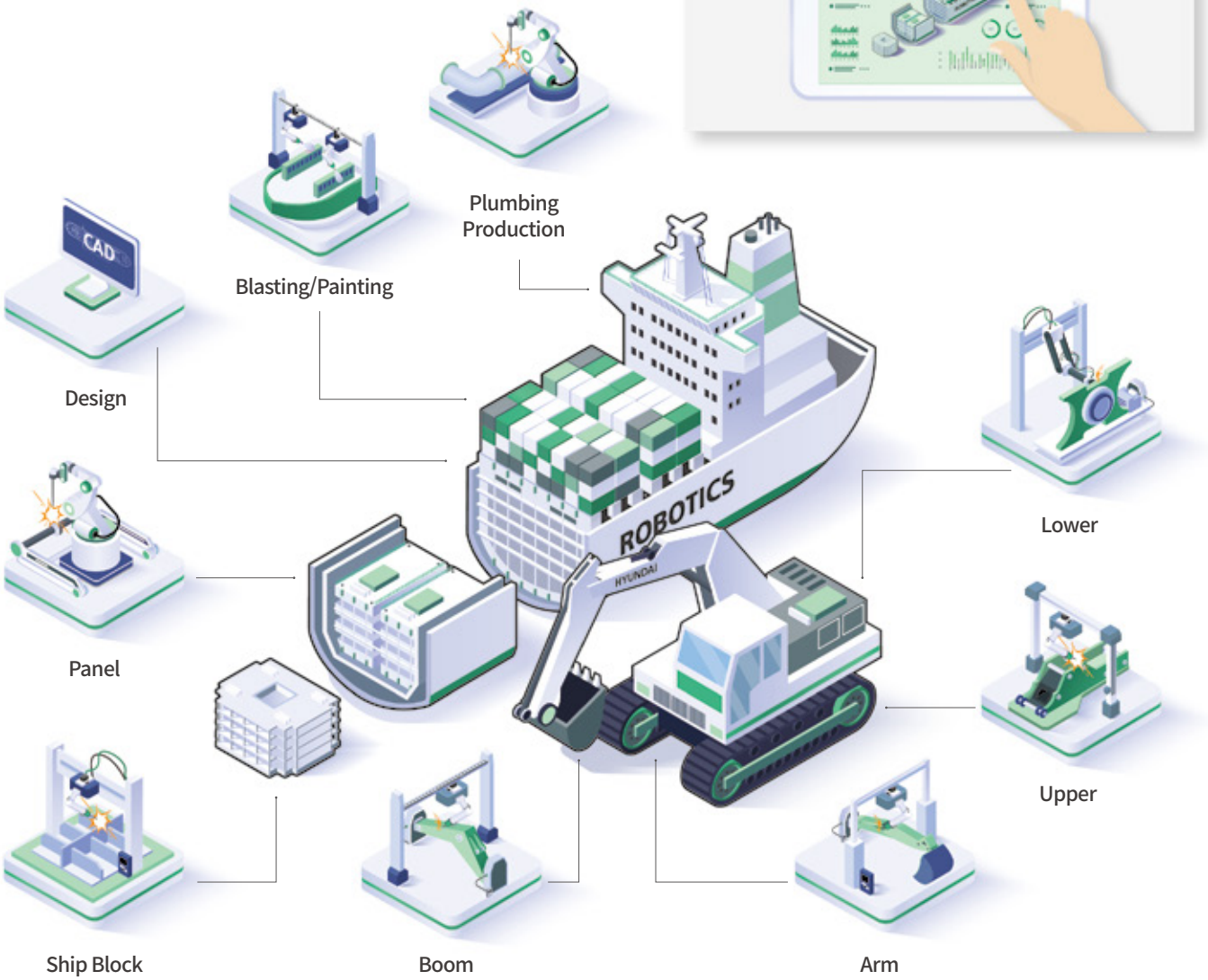
Mobile Robot/AGV

A co-robot on AGV pick and place objects automatic charging system.

Palletizing

Palletizing bags and boxes with high-speed 4-axis robot.

Shipbuilding / Heavy Industry Solutions



Providing a total solution that combines robot-based welding automation technology and data-base smart technology

Main Applications : Shipbuilding, Offshore Plant, Construction, Construction Equipment, Train

Ship's Block Welding Solution

Robot automatic welding system for shipbuilding small and medium sized block.

Ship's Panel Block Smart Welding Solution

Robot automatic welding system of shipbuilding panel block's U cell.

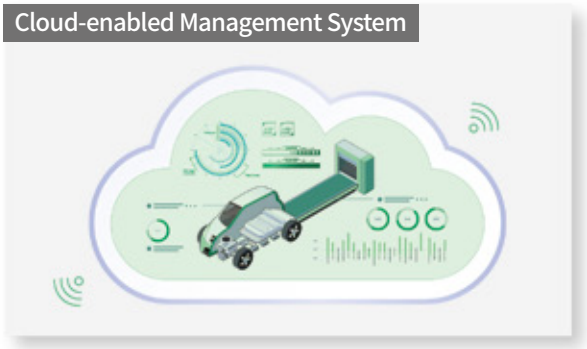
Construction Equipment Welding

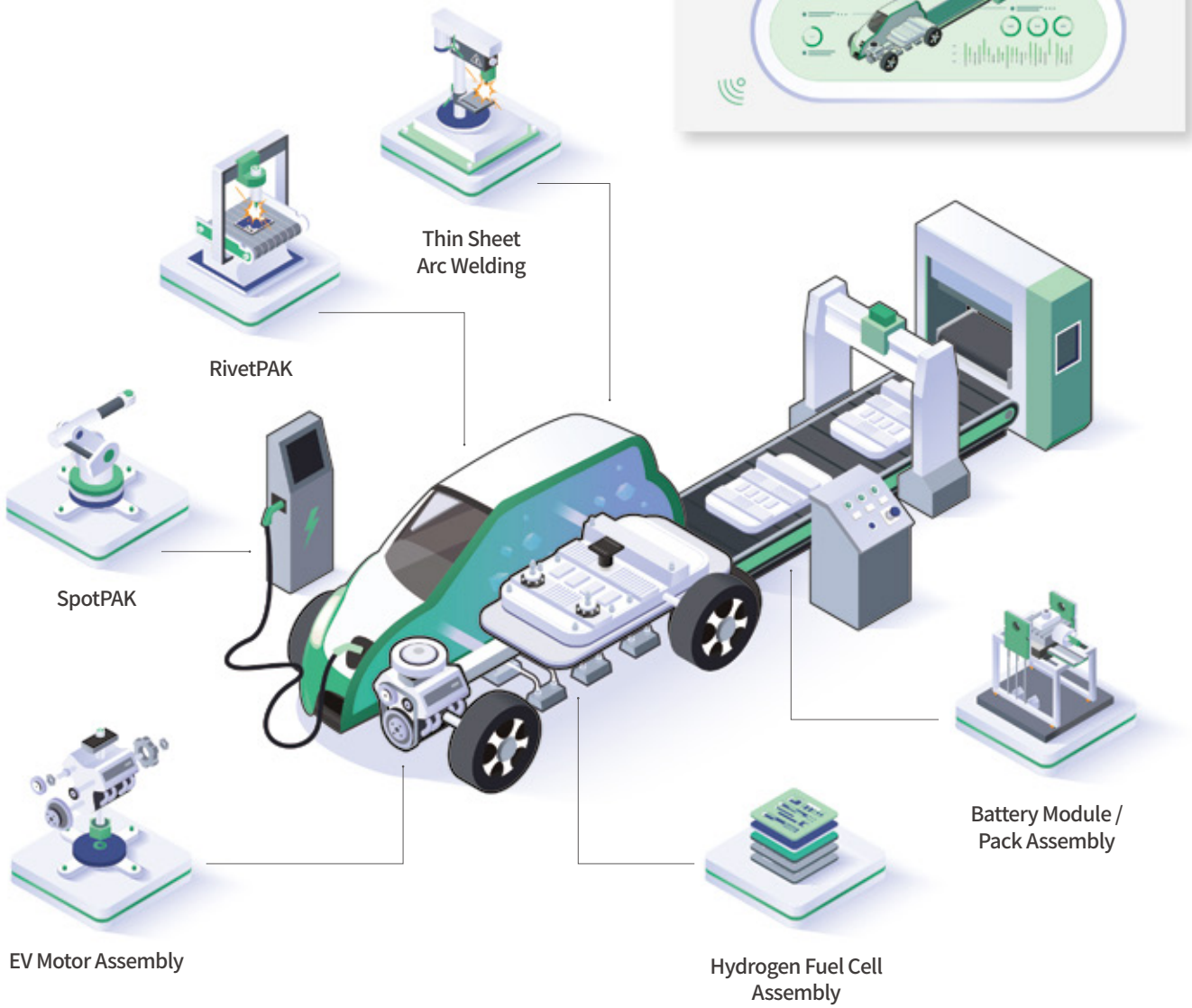
Automatic welding system for structure part.

Smart Pipe Spool Welding Solution

Automatic pipe spool welding system for shipbuilding and Oil & Gas Plant/ Power Plant

Electric Vehicle Manufacturing Solutions



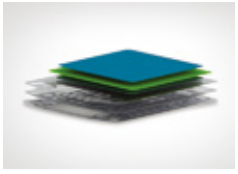


Smart equipment & smart production line building solutions specialized in the EV industry

Main Applications : Secondary Battery, Hydrogen Fuel Cell, Lightweight BIW, EV Motor

RivetPAK
automation solution that combines heterogeneous material bonding technology of vehicle lightweight materials and robot-based automation technology.

Hydrogen Fuel Cell Assembly Solution
Mass production total solutions of fuel cells that secured efficiency and quality through new method engineering.



Battery Module / Pack Assembly Solution
Total solutions for battery mass-production lines by accumulating know-how such as stacking, vision inspection, laser welding, and automatic tightening through technology development.

EV Motor Assembly Solution
Assembly line total solution optimized by combining EV motor characteristics with robot automation technology.

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HYUNDAI ROBOTICS

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