Total Service Provider for Smart Factory Implementation

LoadRunner Co., Ltd. — Company Overview

August 2026

LoadRunner
로드러너

LoadRunner is a turnkey provider of integrated Smart Factory services — from IT consulting, system build/operation and automation consulting to equipment control and logistics-automation (AMR) device supply.

Smart Factory for Logistics & Manufacturing

	Client	Vendor
Line Planning	• Capacity Planning • **Line Op. Planning** • **Automation Level**	• IT Strategy/Diag., PI • **Infra Sizing** • **Process Simulation**
Construction / Set-Up	• Equipment Installation • **Utility Set-Up** • **Training**	• System Build (MES) • **Infra Set-Up** • **Automation Set-Up**
Manufacturing / Line Operation	• Innovation • **Yield Improvement** • **Equipment Maint.**	• System Op./Maint. • **Infra/Device Maint.** • **Integrated Control**

A "Full Stack" for Smart Factory

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MES-centered IT Business	AMR-centered Automation Device Biz.
Consulting (IT Strategy/Diag., PI)	Consulting (Process Simulation)
Based on Samsung Mfg. Best Practices	Simulation-tool Consulting
System Build (MES, Equip. Control)	Design, Device Mfg., Automation Solution
Top Solutions + Experience	Turnkey Design–Assembly–Set-Up Applying Best/Latest Solutions
Operation/Maintenance	Set-Up/Maintenance
ITSM-based Operation	Integrated-control Maint.

Smart Factory Total Service Provider

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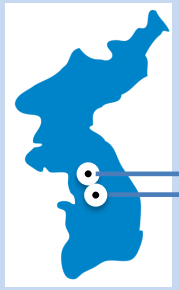
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01 Company Profile



Headquarters

- Business Management
- Smart Factory IT Business
- Logistics Automation / AMR R&D

Factory (Gunpo)

- AMR Design/Manufacturing
- Test Bed

➢ Key Partnerships- IT Business Samsung SDS : Tier-1 MES partner Miracom : Strategic partner (solution license sales / turnkey build) Hanwha Systems : Strategic partner (core MES/operation provider) PwC : ISP/PI consulting partner- Automation (AMR) Business Samsung Electro-Mechanics : Main AMR supply partner Samyang Foods : Main AMR supply partner Hyundai Motor (Hyundai Wia) : AMR supply partner

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"Smart Factory implementation: IT consulting, build and operation, plus logistics-automation consulting and solution/device supply." IT diagnosis/strategy and PI consulting; MES/WMS-centered system build and operation; process-operation consulting for logistics automation, solutions (SLAM/FMS), and design/manufacturing and maintenance of autonomous robots (AMR).

- Incorporation : SHI (May 2017), LoadRunner (Jan 2022); ※ merged into LoadRunner Co., Ltd. in Aug 2023
- Revenue : KRW 15.0 B in 2026 (est.)
- Employees : 65 (45 regular / 20 contract)
- Main Business : IT consulting & system build/ITO; logistics-automation consulting, solution/equipment supply, and AMR manufacturing

AMR : Autonomous Mobile Robot

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02 Core Competencies

Turnkey execution for Smart Factory: Consulting | System Build/Operation | Equipment Control | Logistics-Automation Device Supply

People & Network	• Management & staff from Samsung Smart Factory backgrounds- CEO who led Samsung Smart Factory business incubation (division head)- Executives with Samsung SDS large-scale manufacturing PM and overseas project experience- Manufacturing-domain experts / solution consultants / development specialists	• Consulting- SK On IT diagnosis, PI, overseas-plant MES rollout strategy, etc.- New-plant consulting for Nexen Tire, Wonik QnC, etc. (IT/automation)
		• MES Build- Mando G-MES 3.0, Hyosung Advanced Materials Vietnam plant MES, etc.- MES for two Corning (US) plants in China, etc.- Hyosung TNS US/Vietnam MES, Hanwha Aerospace defense MES, etc.
	• Logistics-automation robot experts- AMR specialists in design, control (software), electrical, and mechanical	• ITO – Business expansion for captive clients
Solution & Service	• Manufacturing IT Solutions- Miracom (MESPlus) license partnership, turnkey build & operation- In-house solutions such as the development framework (SmartRunner) and WMS	• Logistics consulting & AMR supply for manufacturers such as Samsung and SK- Efficient flow analysis via process-layout analysis; sizing/simulation of required automation devices, etc.- AMR supply record for large enterprises, SMEs, and public institutions
	• In-house Logistics-automation Solutions- Robot control based on ROS 2.0, AI-based object recognition, etc.- Equipment integration and swarm control via WCS/FMS	• Government project at Gyeongbuk-Gumi Green Smart Industrial Complex- Set-up of a pilot line for wireless phone chargers- Integration of 10+ solutions (MES, AI, Big Data, Metaverse, etc.)
	• Design & Engineering Services- Process-logistics consulting using simulation tools- AMR design using 3D CAD	• Integrated supply of AMR-centered automation devices- Automated forklifts, carts, buffers, conveyors, automated warehouses, pass boxes, etc.

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03 Key Business Areas

Service Area		Core Competencies	Key Track Record
 Consulting / SI	· IT consulting, PI, diagnosis, etc. · Solution-based SI, PMO · System operation (ITO)	Smart Factory build know-how for manufacturers such as Samsung Expertise across diverse manufacturing industries; turnkey execution capability Structured PMO and development methodology	• SK On MES diagnosis and overseas-entity rollout strategy consulting (with PwC) • MES for two Corning (US) plants in China • Hyosung Advanced Materials / TNS US & Vietnam MES • Mando G-MES 3.0 build (16 overseas entities)
 Solution	· MES (Miracom license) · WCS/FMS (in-house) · ROS (in-house)	Turnkey build capability with Miracom solutions Proven WCS/FMS solutions based on best practices Core autonomous-driving navigation solution ROS (SLAM)	• Independent turnkey builds using Miracom solutions (Hyosung Advanced Materials, Hyosung TNS, Jeisys, etc.) • Big-bang rollout across Mando's 16 overseas entities; WMS secured on a WMS practice • In-house core autonomous-driving solutions with leading technology
 Automation	· AGV, AMR, conveyor (design/manufacturing) · Automated forklift (partner agreement) · Buffer, automated warehouse (partner agreement)	Turnkey capability across mechanical design/electrical control-solution-manufacturing Autonomous-driving technology with 3D-based vision recognition Core autonomous-driving navigation solution ROS	• Turnkey across design-control solution-assembly-customer service • Leading technology: ROS 2.0, vision recognition, in-house key components (board-level), etc. • Registered supplier to major enterprises, supply ongoing (Samsung Electro-Mechanics, Hyundai Motor, Miracom, Samyang Foods, etc.)

MCS(Material Control System, ACS(AGV Control System), ROS(Robot Operating System),AGV(Auto Guided Vehicle), AMR(Autonomous Mobile Robot)

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04 Key Track Record _ Projects by Area (1/3)

Category	Project	Contractor	Scale	Period	Remarks
Consulting	SK Innovation Global MES Consulting	PwC	-	'19.10~'19.12 '21.04~'21.06 '22.01~	• MES rollout strategy for SKI's new overseas sites (Europe, US), etc. • IT master-plan development, manufacturing PI, etc.
	SK hynix Equipment Consulting	PwC	-	'19.09~'19.12 '20.05~'20.08	• Definition and standardization of specs for hynix key process equipment
	Hanwha Qcells QMS Consulting	Hanwha Systems	-	'24.09~'25.02	• QMS consulting-analysis/design for Hanwha Qcells' US entity
	For new-plant establishment IT / Automation Consulting	K-Glass Wonik QnC	-	'22.12~'23.09	• Line-planning TF collaboration for new-plant establishment • MES-centered IT system / process-logistics-automation consulting • Mid-to-long-term roadmap consulting
MES & S.I	Corning JV MES Build	Corning	-	'18.03 ~ '19.01	• Turnkey integrated MES build for two JV plants (Shenyang, Chengdu) of US Corning and a Chinese local company
	Samsung Electronics G-MES Build	Samsung SDS	-	'21.01 ~ '22.08	• G-MES 3.0 build for the Mobile Division
	Mando G-MES 3.0	Mando	-	'21.11 ~ '23.07	• G-MES development for Mando's 16 global sites
	Samsung SDI Gumi MES UI Migration	Samsung SDS	-	'22.01 ~ '22.12	• MES UI migration and SW architecture migration for Samsung SDI Gumi site
	Hyosung Advanced Materials Vietnam MES	Hyosung Advanced Materials	-	'23.02 ~ '24.01	• MES for Hyosung Advanced Materials' tire-cord Vietnam plant
	Hyosung TNS Vietnam / US MES	Hyosung TNS	-	'24.10 ~ '26.01	• Turnkey MES, SCM, PLM build for Hyosung TNS Vietnam / US
	Hanwha Defense MES Insourcing	Hanwha Systems	-	'25.10~'26.08	• MES insourcing for Hanwha's defense division / overseas-entity rollout

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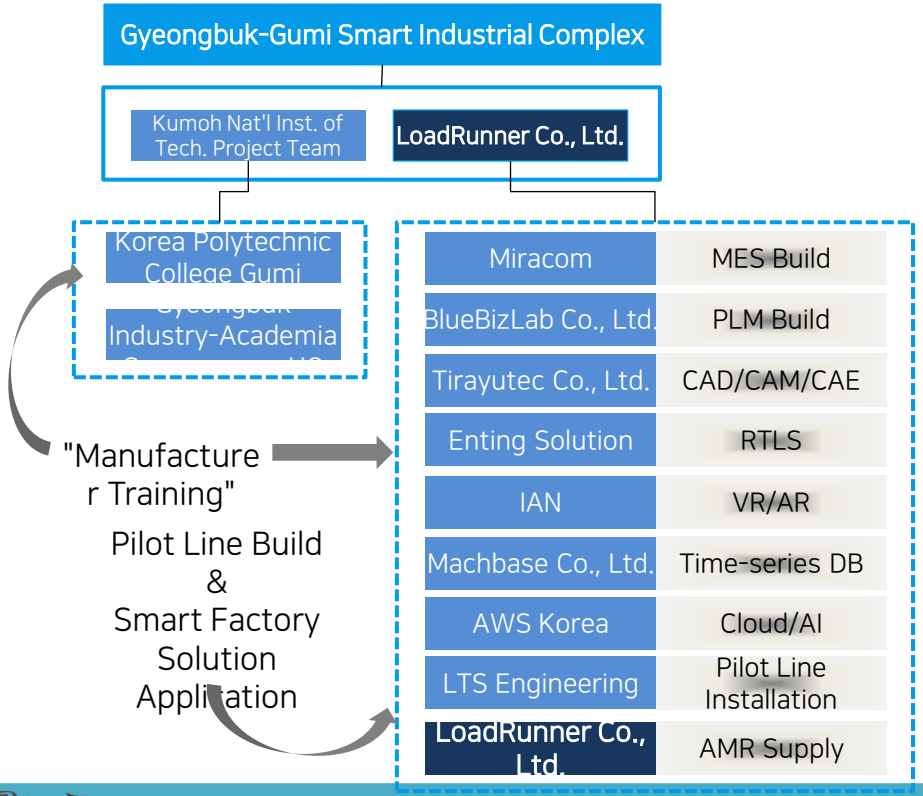
04 Key Track Record _ Projects by Area (2/3)

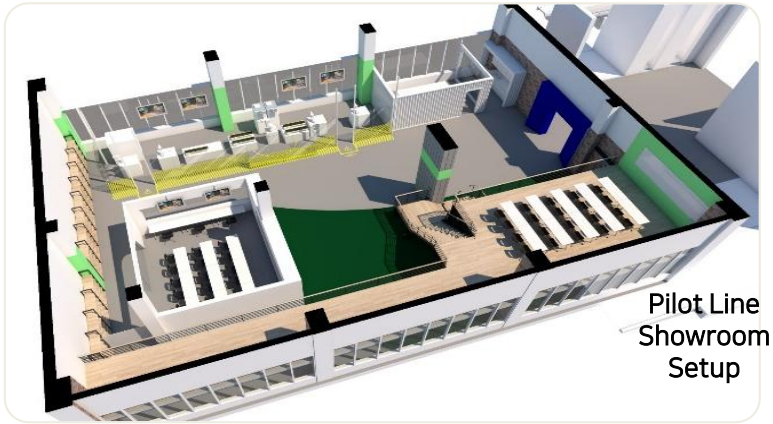
Category	Project	Contractor	Scale	Period	Remarks
ITO	Miracom ODC, for multiple manufacturing clients	Manufacturing Clients	-	'19.03 ~	• Staffing support for Miracom's outsourced development center • Transition to operation for completed clients such as Mando, Hyosung, MCNEX
	Defense Integrated Logistics Information System ITO	Ministry of National Defense	-	'20.04 ~ '22.03	• Operation of the MND integrated military-logistics information system
Logistics Automation Device	Gyeongbuk-Gumi Industrial Complex Test-bed Build	Gyeongbuk-Gumi Green Smart Industrial Complex	-	'21.11 ~ '22.05	• Pilot production-line set-up • Smart Factory solution build (MES, Big Data, AI, VR, etc.)
	LG Display Vietnam Plant MCS Build	LG-CNS	-	'20.12 ~ '21.06	• MCS solution applied at LG Display's Vietnam plant
	Logistics-automation Device Supply	Samsung Electro-Mechanics	-	'22.05 ~ '24.12	• Main AMR supplier (turnkey supply of AMR / ancillary equipment)
	Logistics-automation Device Supply	Hwaseung R&A	-	'24.07 ~ '24.10	• AMR supply for PoC
	Logistics-automation Device Supply	Samyang Foods	-	'24.10 ~ '25.03	• AMR supply for the new Miryang plant (600 kg class)
	Logistics-automation Device Supply	Navipla	-	'23.10 ~ '24.04	• Delivery to a control-specialist company (QD type, etc.)

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04 Key Track Record _ Gumi Smart Complex

For manufacturers in the Gumi, Gyeongbuk region: ① build a Smart Factory demonstration assembly line, ② apply related solutions, and ③ train and upgrade the manufacturers' workforce



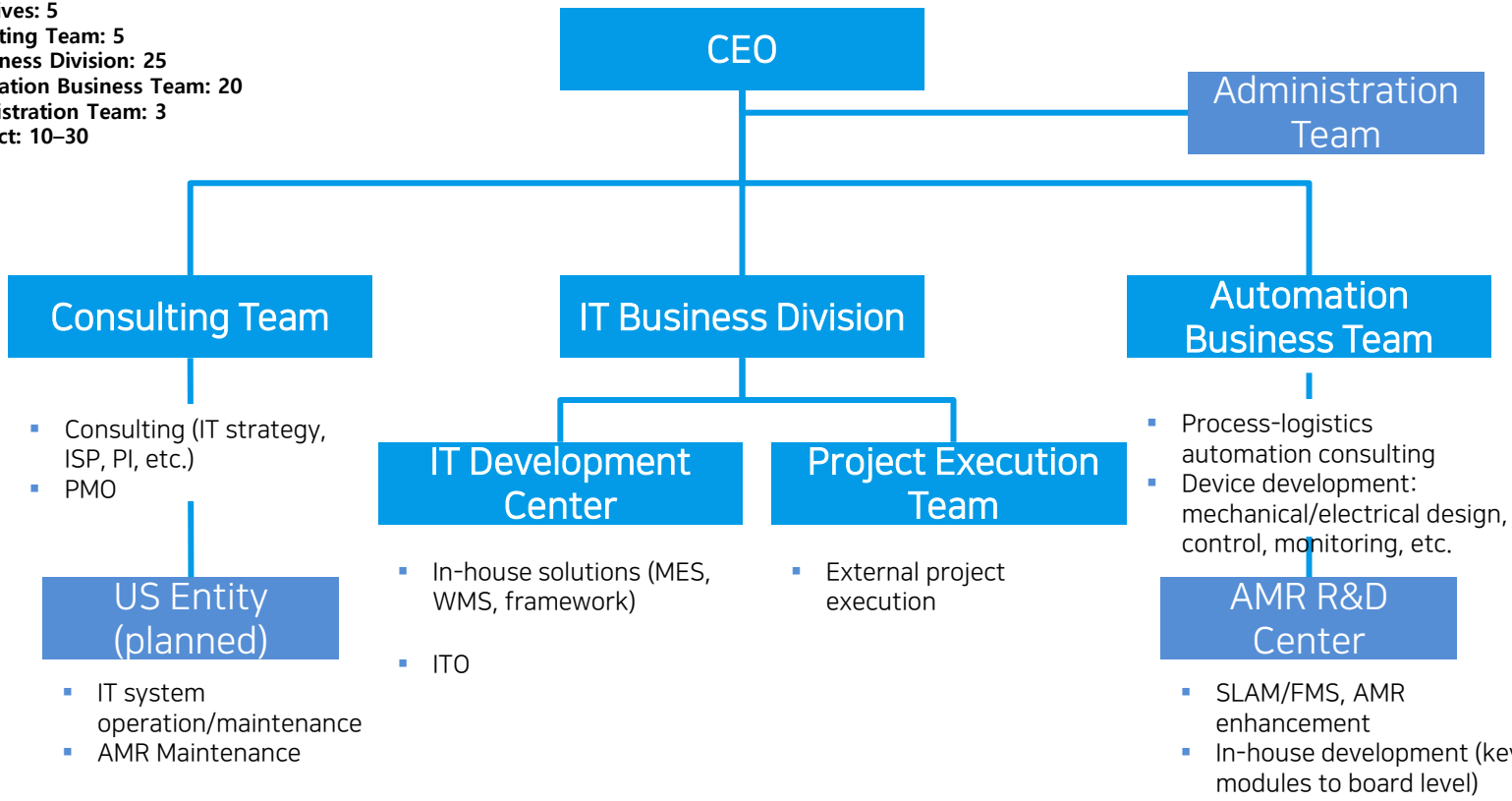




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05 Organization Structure

- **Executives: 5**
- **Consulting Team: 5**
- **IT Business Division: 25**
- **Automation Business Team: 20**
- **Administration Team: 3**
- **Contract: 10–30**



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