

**Shaping Future Value
Through Intelligent IT**



Powering Smart Industries



Homepage link

Iron Plant Unmanned Smart Crane Solution

Unmanned Crane Operation (Semi-Auto / Manual)

3D Yard & Inventory Integrated Control

Operator Tracking & Path Prediction Safety

Predictive Maintenance & Downtime Reduction

Continuous Monitoring for Reliable Ops

01

Smart Safety

Autonomous Operation
Reduced Onsite Risk

02

Reliability Assurance

Fast Root-Cause Detection
Stable Operations

03

Predictive Maintenance

Failure Prevention
Downtime Reduction

04

System Consistency

Human-Error Reduction
Standardized operations



- Real-time network & communications monitoring (critical for unmanned crane system reliability)
- Network status tracking for APs, sensors, wired/wireless devices

Digital Twin Platform

We deliver integrated IT solutions covering the entire value chain—from MES-ERP deployment to production, fulfillment, logistics, distribution, public systems, inventory, and sales operations.



Digital Twin Control System

Smart Yard Operations via Remote Integrated 3D Control System

- Real-time 3D asset & crane tracking
- Lifecycle-driven predictive maintenance
- Digital-twin operational monitoring
- Worker safety & reusable 3D assets



Digital Twin Optimization Simulation

Optimization Solutions Through Multi-Scenario Simulation in a Digital Twin Environment

- Predictive performance & productivity optimization
- Defect analysis and feedback-based quality control
- Optimized energy production and consumption
- Safety simulation for facilities, fire, and disasters

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High-Fidelity 3D Digital Twins

Real-world equipment modeled and linked with live IoT data.

Real-time monitoring, lifecycle intelligence, and defect feedback control deliver optimized quality and smarter, safer operations.

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Our digital twin solutions serve major clients such as POSCO, SK Telecom, Hanjin Logistics, Intops, and Nanjing Iron & Steel.



We deliver 3D real-time control, smart logistics, yard CPS, smart-building, and 3D geospatial information solutions.

Industry Reference of Digital Twin Technology

1. Smart Industrial Equipment Solutions

POSCO

- Smart Factory
- Digital Twin systems for No.2 Hot Rolling Mill

POSCO Group University

- VR-based training system

INTOPS

- Smart Factory CPS platform for injection molding

LG Electronics

- Remote control system development

KIMM

- Ship Block Handling Integrated Control System
- Equipment simulation systems

Shougang Group (China)

- 3D HMI for MCCR Continuous Casting & Hot Rolling Control Station

Nanjing Iron & Steel (China)

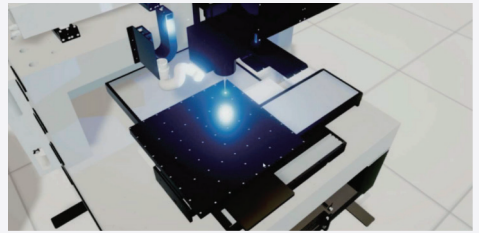
- Smart crane 3D yard mapping

SAMBOPLATEC

- Smart Factory



▲ POSCO No.2 Hot Rolling Mill – Digital Twin-Driven Plant Optimization



▲ Laser Equipment Digital Twin Solution Development

2. Smart Logistics Solutions

Logistics Simulation

Optimized logistics algorithms reduce costs and prevent misdelivery

Real-Time Monitoring

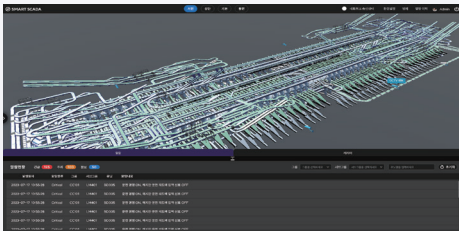
Real-time tracking ensures accurate loading and unloading history

Real-Time Control

Adaptive logic enables rapid response to operational disruptions

Yard Safety Management

Worker tracking, virtual fencing, and yard map consistency ensure safety



▲ Hanjin Mega Hub Logistics Center Implementation

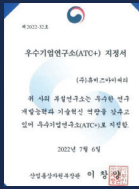


▲ Nanjing Iron & Steel – Smart Crane 3D Yard Mapping System Implementation

➤ By optimizing manufacturing processes, the solution simultaneously improves defect rates and productivity, effectively reducing opportunity loss costs in enterprise operations.

It delivers essential insights for smart factory operations, enabling productivity and quality advancement, and is applicable across system design, analysis, training, and performance evaluation.

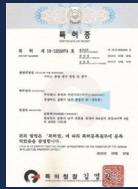
Corporate Certifications & Filed Patents



ATC+ Certified Corporate
Research Institute



3D Equipment & Facility
Monitoring Patent



Service Quality
Evaluation Patent



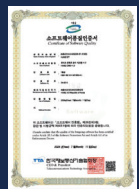
Service Transaction
Brokerage Patent



Virtual Lighting
Technology Patent



SimpleLink
Certification



Hubiz Content Management
System Certification



BeamRizer v2.0
Software Certification



Heat Tracing Control
System Certification



3D Monitoring System for
CSF Enhancement

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