Mehr Licht!
More Photonics for Intelligence

#C12

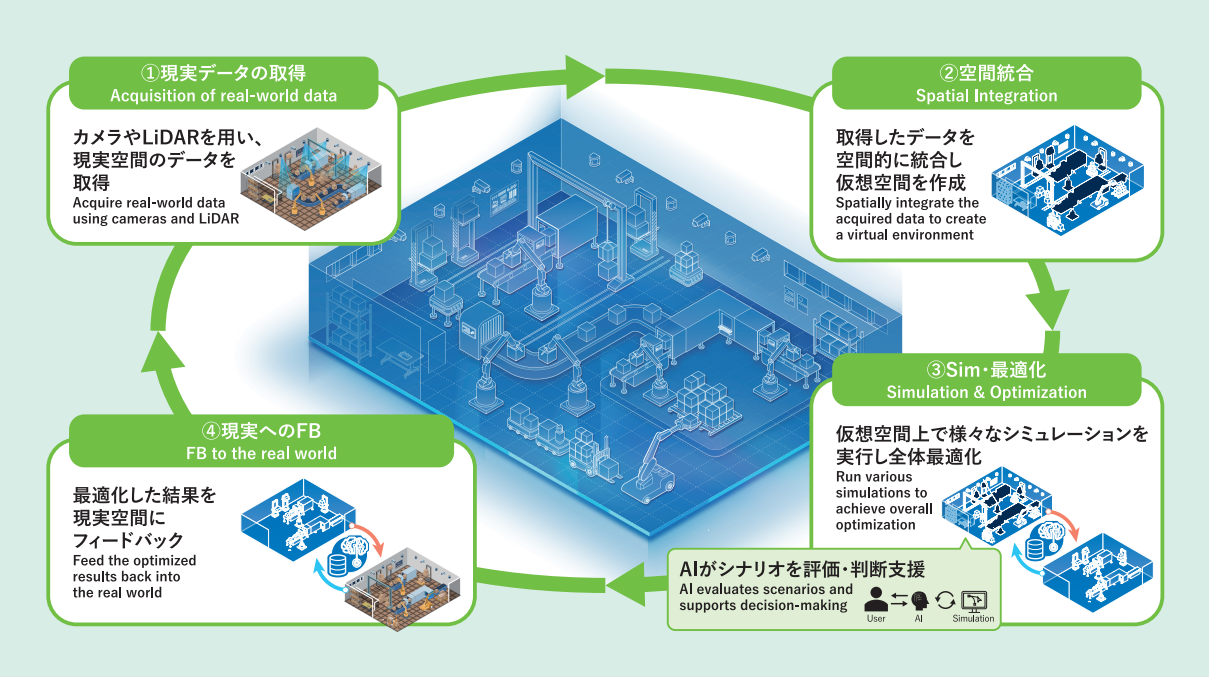
#Digital & AI Transformation#Operational Efficiency#Safety and Security

AI-Assisted 3D Spatial Decision Support

Integrates spaces, simulations, and AI for safer logistics decisions

Technical Challenges & Goals

Factory and warehouse operations change often, but isolated simulations cannot optimize interacting events. Result comparison, cause analysis, and reporting take time. Integrated real-space data and coordinated simulations let AI explain KPI drivers, trade-offs, recommend actions, and support safe logistics decisions.



Key Technologies

Core Technologies

・Builds spaces from point-cloud and 3DGS data
・AI explains KPI drivers, trade-offs, and actions

Key Differentiators

・Optimizes coordinated simulations in real space
・AI explains KPI causes, actions, and reports

Use Cases

Manufacturing

Recreate factories and warehouses with point-cloud/3DGS data. Simulations optimize layouts, AGV/AMR routes, and fleet size. AI explains KPI drivers, trade-offs, bottlenecks, and actions for safe decisions.

Exhibitors
Innovation Technology Department, NTT DATA Group Corporation