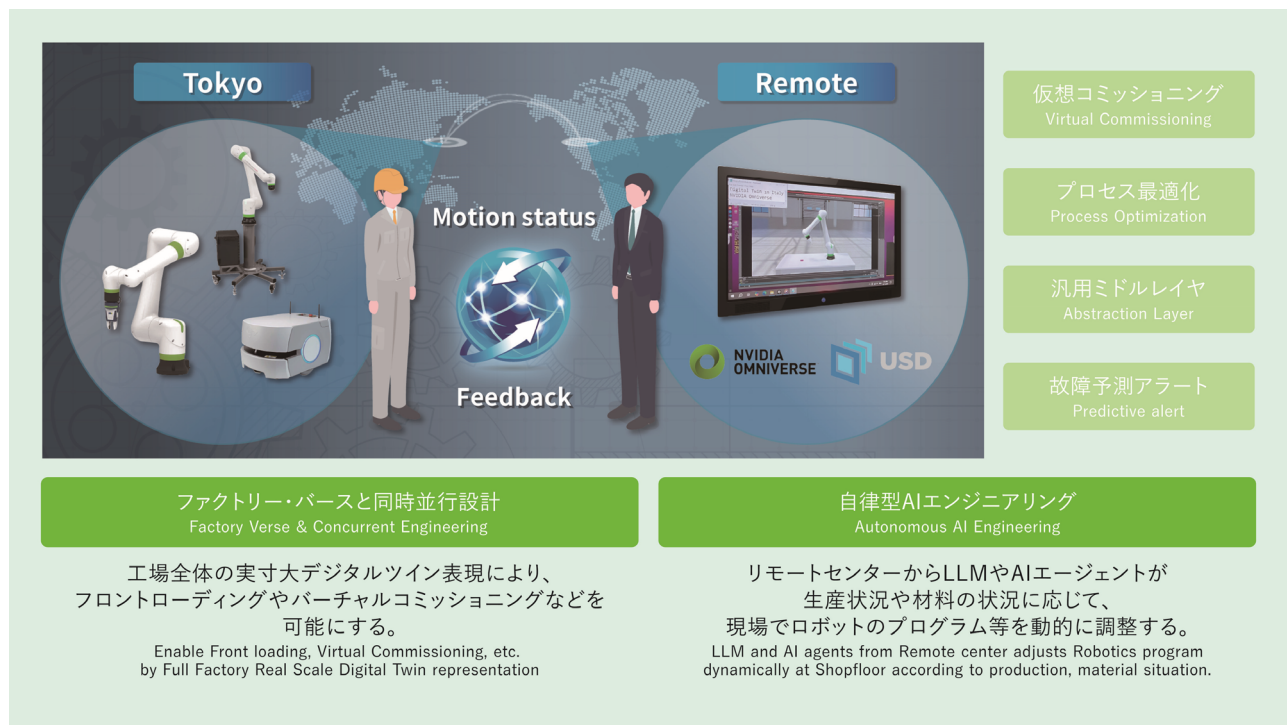


Reduce lead time and cost for factory construction by Digital Twin

Industry Robotics Digital Twin

Background and Technical Challenges

High-precision, real-time representation of objects created in multiple design applications into one Digital Twin ecosystem requires highly detailed conversion of data formats from various package vendors.



R&D Goals and Outcomes

To reduce cost and lead time of testing and building of factory and its equipment designs by virtual prototyping. And enabling remote maintenance efficiently by Digital Twin.

Key Technologies

01 Core Technologies

Develop general robotics control language layer in a digital twin, making it easy to connect multiple robots and integration with AI.

02 Key Differentiators

Importing multiple data formats and sources into a digital twin, and utilizing computer vision and AI for dynamic generic robotics control

Use Cases Manufacturing

R&D phase Development

Technology Schedule FY27-29

Commercialization Schedule FY27-29

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