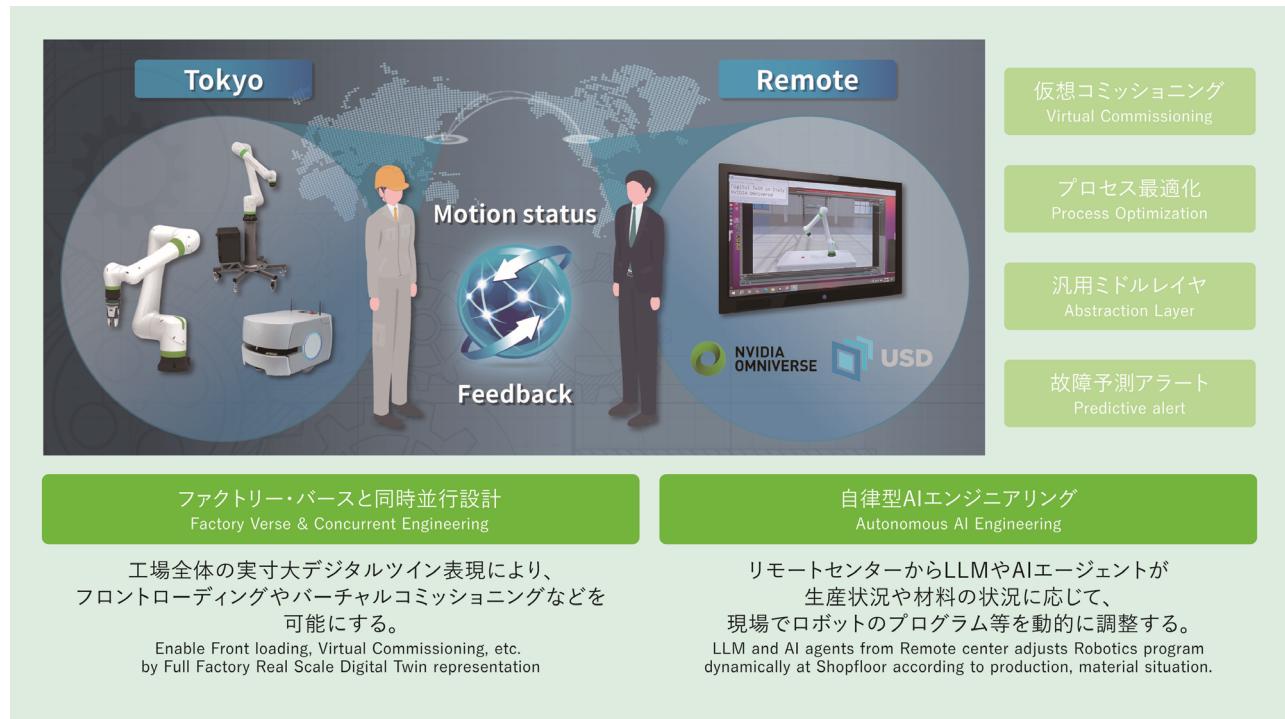


## Reduce lead time and cost for factory construction by Digital Twin Industry Robotics Digital Twin

### 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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