

IOWN INTEGRAL

NTT R&D FORUM 2024

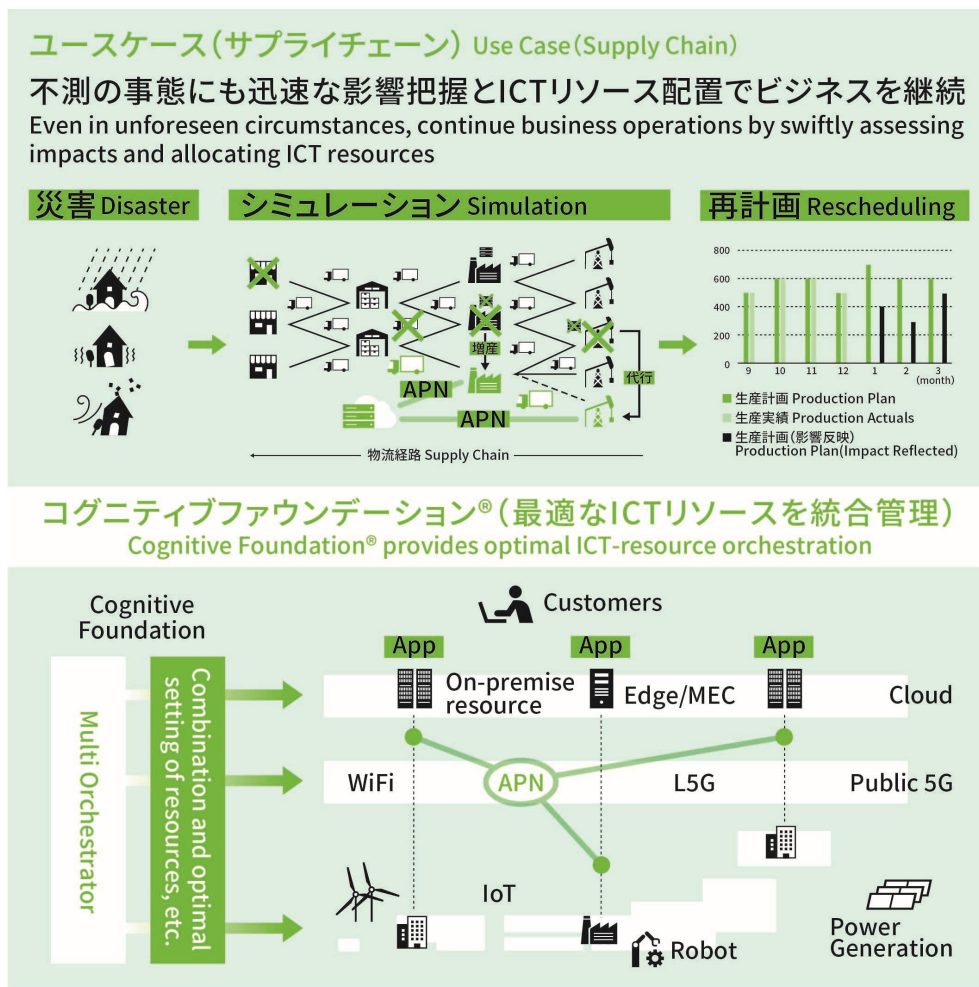
DEVELOPMENT

δ 03-14

The future of manufacturing supported by IOWN
APN and Cognitive Foundation technology

Innovating manufacturing by swiftly and optimally
controlling the ICT environment via IOWN

#Business Resilience #Productivity Improvement #Customer Experience Value Creation



///Technical Issue

Knowledge gained from business proofs of concept with diverse customers and a unified system combining IOWN assets and supply chain management platforms.

///Research Goal

We offer IOWN assets and supply chain platforms with high field applicability, targeting under 100 million yen per company, including system integration.

---Technology

- Intelligent Functions in the IOWN Cognitive Foundation.
- Generative AI Functions (Azure OpenAI, tsuzumi).
- Data Management Platform for Optimizing Supply Chain Management.
- Orchestration-APL Autogeneration.

---Applicable Business

Business area : Manufacturing industry.

Use Cases : In the event of natural disasters such as earthquakes or typhoons, timely rescheduling of production and sales can be achieved by obtaining information from both internal and external sources, simulating the impact on the supply chain, and reallocating ICT resources.

Availability : Undecided (subject to future adjustments with co-creation customers during business validation).

---Novelty

- Intelligent functions that enable not only the provision of ICT resources but also the dynamic autonomous operation and reallocation of resources for optimization.
- Data management platform for optimizing supply chain management, with metrics management technology such as deriving financial impacts from quality indicators.