IOWN INTEGRAL

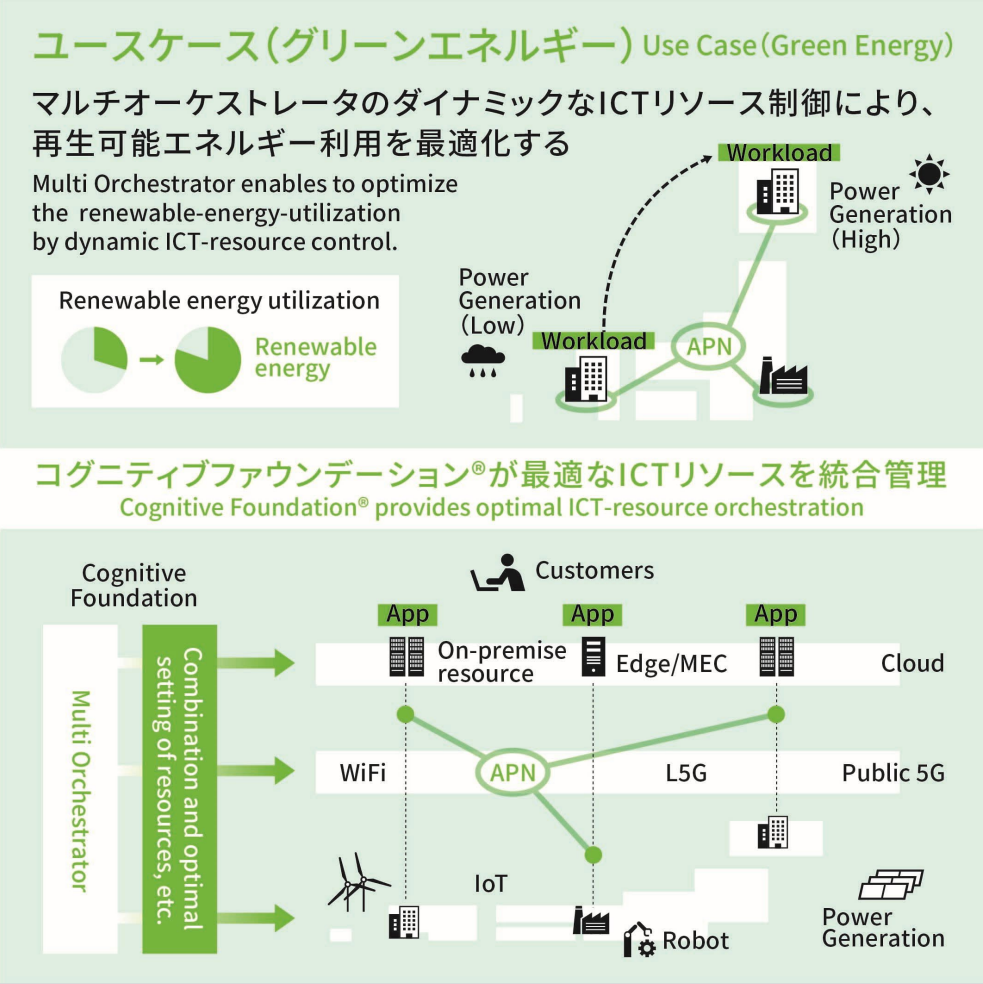
NTT R&D FORUM 2024

DEVELOPMENT
δ 03-13

Green Energy optimization

Enable to optimize the renewable-energy-utilization by dynamic ICT-resource control

#Green Transformation



///Technical Issue

Promoting the decentralization and regional relocation of data centers with DCX to use green energy, we face the challenge of its inconsistent supply.

///Research Goal

To reduce environmental impact, we aim to enhance renewable energy efficiency by dynamically allocating workloads based on supply and demand.

---Technology

- Intelligent Functions in the IOWN Cognitive Foundation.
- Orchestration-APL Autogeneration.
- Energy-Aware Coordinated ICT Resource Control.
- Network Operation Injected Model（NOIM） etc.

---Novelty

Intelligent functions that enable not only the provision of ICT resources but also the dynamic autonomous operation and reallocation of resources for optimization.

---Applicable Business

Business area：Data Center Business, Power Supply Business, Information and Communication Business
Use Cases：It can be utilized in use cases to reduce environmental impact by migrating ICT resources and workloads to data centers and business locations in regions where renewable energy can be optimally utilized
Availability：Undecided

Related Exhibition＝δ03-14 Exhibitors＝NIPPON TELEGRAPH AND TELEPHONE CORPORATION

Contact URL