R&D phase | Development **Expected Commercialization** | FY27-

Mehr Licht!
More Photonics for Intelligence

#A07

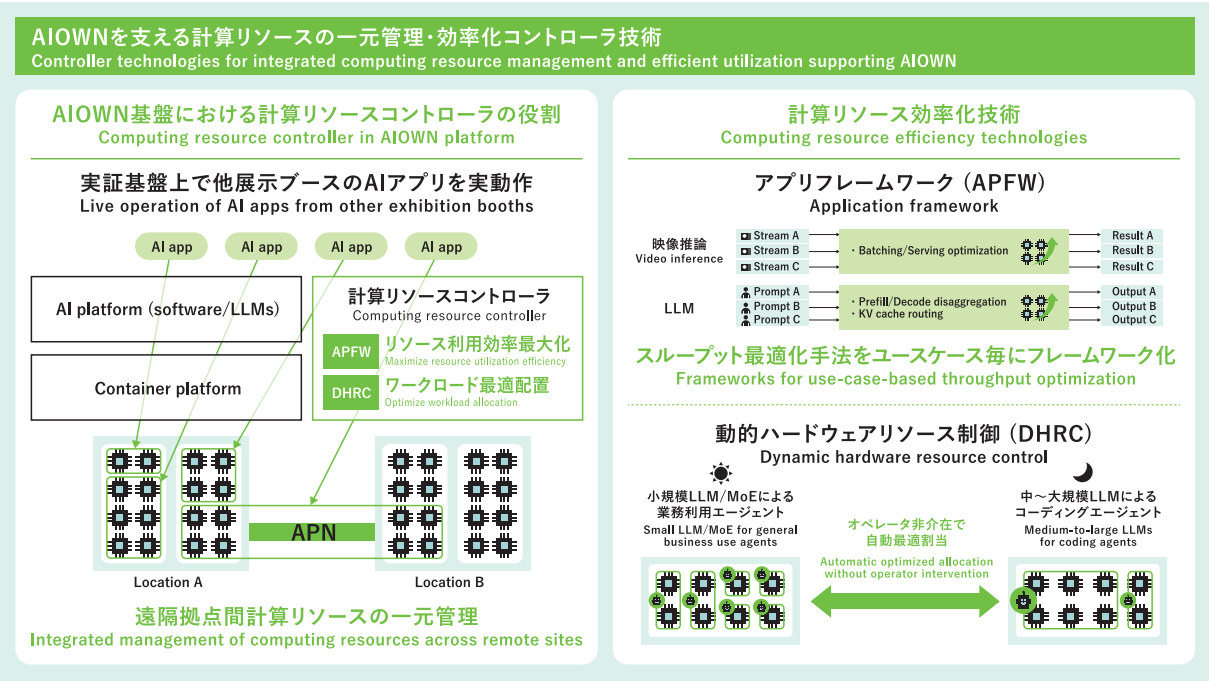
#AI & Quantum Infrastructure#Digital & AI Transformation#Carbon Neutral

Compute Resource Optimization for AIOWN

Reduce power and costs through efficient use of compute resources

Technical Challenges & Goals

As demand for GPU resources grows with the expansion of generative AI, we dynamically optimize computing resources through intelligent hardware allocation and software-driven efficiency, reducing power consumption and operational costs across the AIOWN infrastructure.



Key Technologies

Core Technologies

- Unified management of compute resources across multiple sites
- Dynamic allocation and throughput enhancement for AI workloads

Key Differentiators

- Dynamic allocation of compute resources across sites improves utilization
- Reduces equipment needs, power use, operations cost, and development effort

Use Cases

Information Technology (IT)

We enable AI infrastructure requiring sovereignty and security to be built on-premises with minimal GPUs and support low-cost, high-availability AI/GPU services by efficiently using compute resources across multiple data centers.

Exhibitors

NTT, Inc. Center for Computing Technologies

CONTACT：AI Computing Platform System Architecture Project