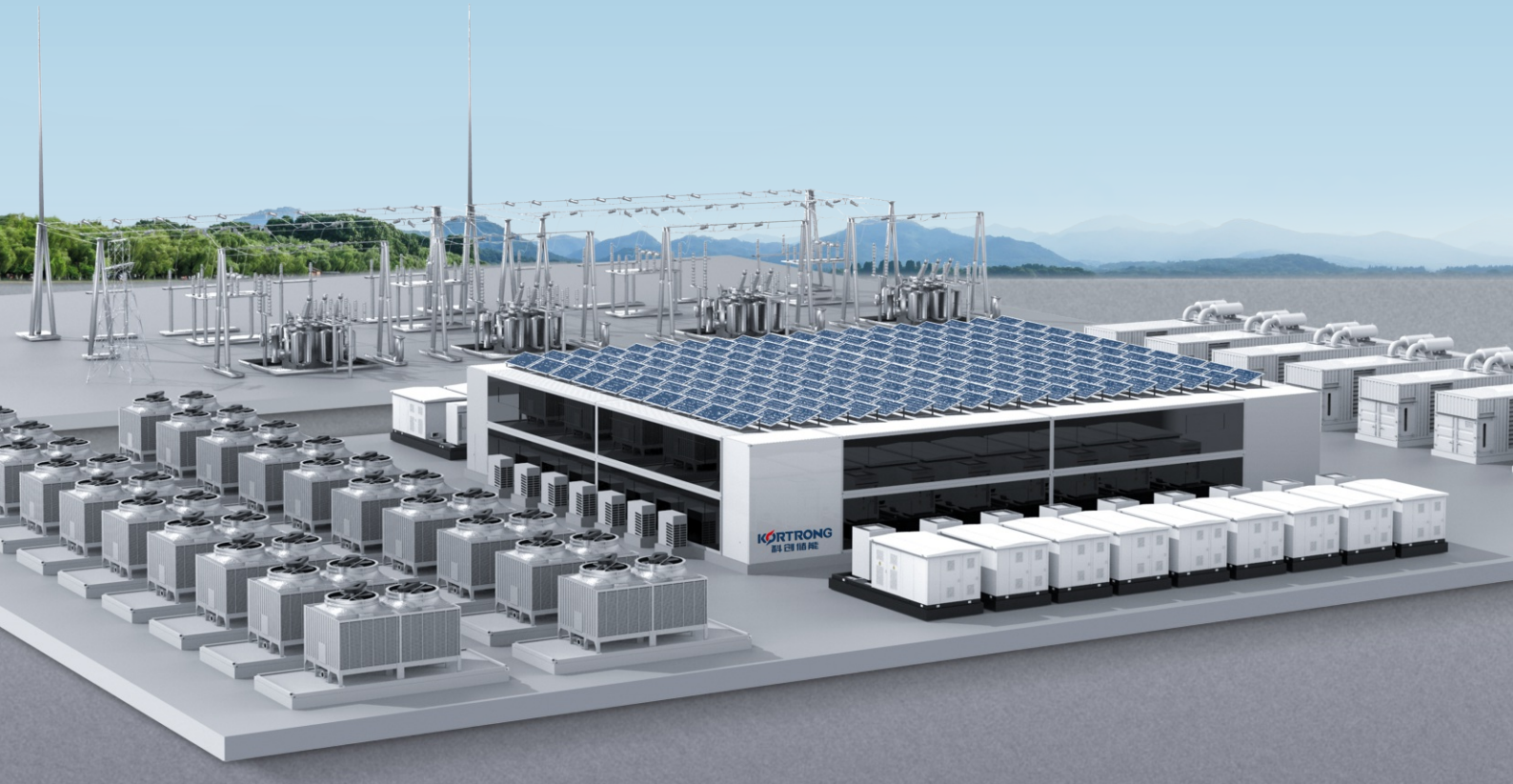
KORTRONG

AIDC (Advanced Immersion Data Center)

Future-Proof the Power Grid

KORTRONG's energy storage systems enhance grid stability and efficiency by leveraging reliable batteries, advanced battery management systems (BMS), and rapid commissioning. On the generation side, they support peak shaving, frequency regulation, renewable energy integration, and system inertia, optimizing power output and reducing wind and solar curtailment. For grid operations, these high-safety storage solutions alleviate transmission congestion, provide peak load shifting, and balance regional loads, ensuring reliable power system performance while increasing renewable energy utilization.



KORTRONG

AIDC 40FT
MODULAR DATA CENTER

Modular server architecture

Simplifies online maintenance/replacement, reducing O&M costs

Immersion liquid cooling

Minimizes auxiliary power use, achieving PUE 1.05

Adapts to existing building infrastructure

Power, networking, cooling towers

Rack-based design

Boosts space efficiency (264% higher density/sqm vs. air-cooled systems)

Prefabricated containerized solution

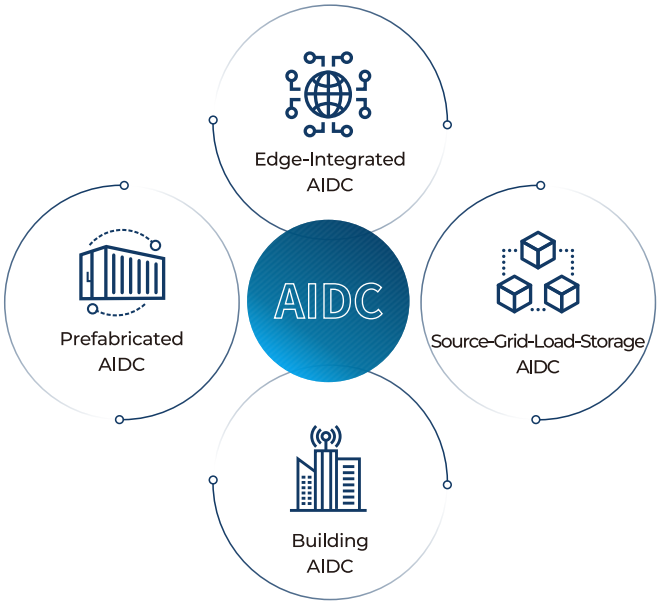
Vuts construction time by 5-8 months

Scalable 2000-ton POD units

Enable flexible configurations for varying demands

AIDC Full-stack Intelligent Solution

Pre-fabricated modular data centers in 40ft containers offer plug-and-play, immersion cooling (PUE 1.05), and ultra-low noise (<62.6dB), enabling rapid setup with minimal OPEX.



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