

SOLUTION BRIEF

Flex AI infrastructure platform

Integrated power, cooling, and compute for gigawatt data centers

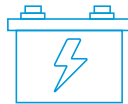
KEY BENEFITS

- Meet demand with vertically integrated manufacturing at scale
- Simplify builds with pre-engineered, modular solutions
- Reduce execution risk and speed time to revenue
- Adapt easily to ecosystem partners and customer-preferred OEMs

Overcome rising power, heat, and scale challenges and deploy infrastructure 30 percent faster with the industry's deepest hardware stack. The Flex AI infrastructure platform for AI and high-performance computing (HPC) environments integrates power, cooling, and compute into pre-engineered, modular designs that speed deployment globally and scale reliably to meet demand. Partner-friendly, the Flex AI infrastructure platform easily adapts to customer-preferred OEMs with a flexible, open architecture that champions innovation, performance, and efficiency.

Integrated platform for rapid, reliable deployment

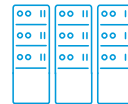
Reduce complexity, shorten construction timelines, and mitigate performance, cost, and scheduling risks with an AI infrastructure platform that integrates essential building blocks into pre-engineered designs marrying next-generation power, cooling, and compute, including:



Power

Safe, reliable power distribution from grid to chip

- Above- and around-the-rack power
- Rack- and chip-level power



Compute

Hardware and rack integration for AI data centers

- Rack integration
- Modular designs
- Switches and storage



Cooling

Thermal management for high-density compute

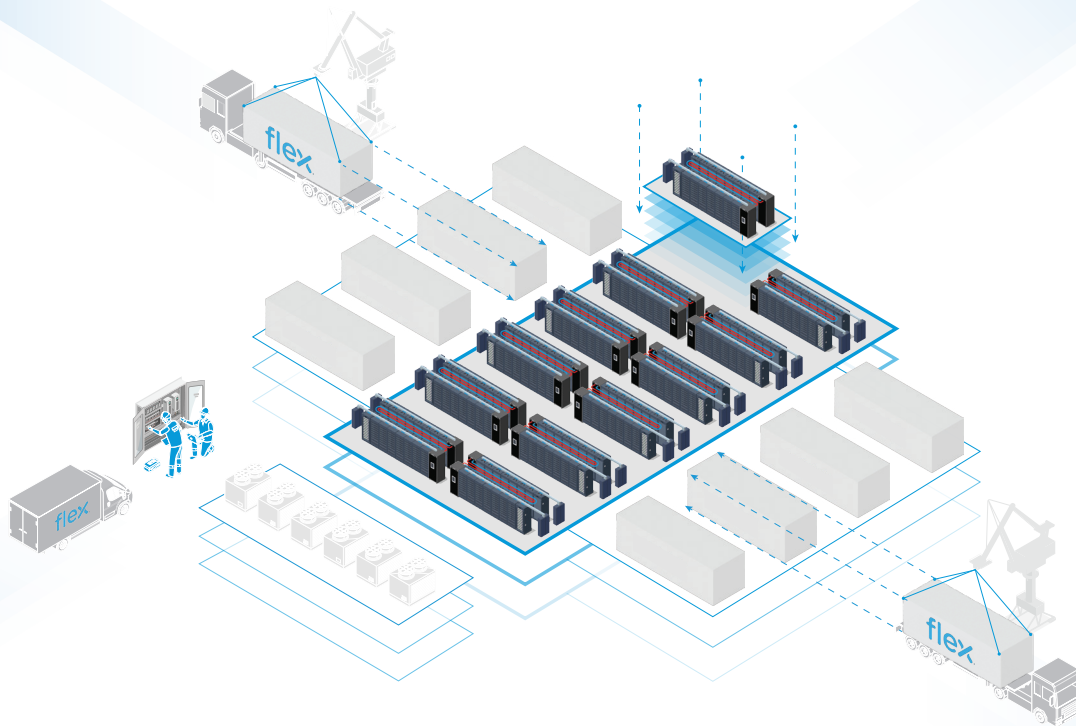
- Liquid + air cooling
- CDUs
- Chillers
- Heat rejection



Prefabrication

Prefabricated for fast, scalable deployment worldwide

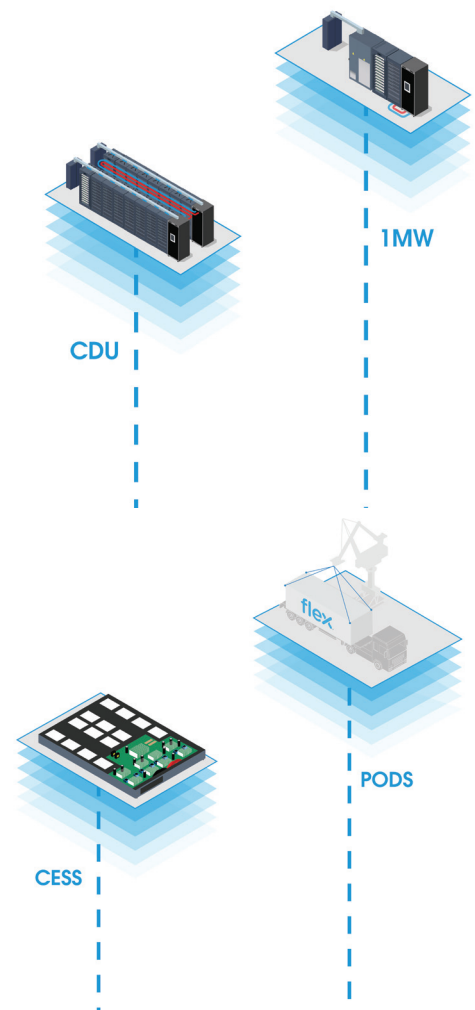
- Pre-engineered, modular systems for 1+ MW AI blocks



New solutions tackle rising power, heat, and scale challenges

Data center operators need vertically integrated solutions tailored to their requirements and timelines, validated for performance from day one. By partnering early with chipmakers and hyperscalers, Flex evolves our solutions in step with industry innovation and customer roadmaps to meet growing power, heat, and scale demands. The Flex AI infrastructure platform debuts with breakthrough products and capabilities across the full stack:

- **1MW racks** — High-density, liquid-cooled IT rack and OCP-inspired power rack designed to support +/-400 V and enable the transition to 800 VDC power architectures
- **Capacitive Energy Storage System (CESS)** — First-to-market UL 1973-certified CESS that reduces electrical disturbances from AI workloads
- **Modular, rack-level coolant distribution unit (CDU)** — Scalable CDU delivers up to 1.8 MW of flexible capacity to support evolving AI, HPC, and hyperscale workloads, backed by comprehensive global support and warranty coverage
- **Prefabricated power pods and skids** — Pre-engineered, modular systems simplify installation with factory assembly that reduces onsite labor costs and cuts deployment time from 12+ months to just 6–12 months



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ABOUT FLEX

Flex provides advanced manufacturing capabilities, innovative power and cooling products, and services that solve for data center power, heat, and scale challenges in the AI era.

Accelerate data center infrastructure deployment worldwide with Flex.

The Flex advantage

Flex accelerates the deployment of critical AI-era technologies with proprietary power and cooling products and advanced manufacturing capabilities that help data center operators overcome their toughest power, heat, and scale challenges. The Flex AI infrastructure platform is backed by:

- **Global manufacturing at scale** – With engineering expertise and state-of-the-art manufacturing facilities in 30 countries worldwide, Flex enables customers to regionalize deployment while maintaining the highest quality standards
- **End-to-end lifecycle services** – From design and sourcing to integration, deployment and circular economy solutions, Flex provides full data center lifecycle support
- **Resilient supply chains** – Flex helps companies manage complex, global supply chains to reduce the risk of disruptions that can impact construction timelines and slow revenue realization

Learn more:

[Data Center Solutions](#)

[Power and Cooling Products](#)

[Rack Integration](#)

For more information, visit flex.com/connect

Flex (Reg. No. 199002645H) is the manufacturing partner of choice that helps a diverse customer base design and build products that improve the world. Through the collective strength of a global workforce across 30 countries and responsible, sustainable operations, Flex delivers technology innovation, supply chain, and manufacturing solutions to various industries and end markets.

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