SILVERBACK
DATA CENTER SOLUTIONS

Large-Scale AI Infrastructure Deployment

20 MW • 12,000+ GPUs • Direct-to-Chip Liquid Cooling

Global AI selected the historic IBM Endicott Campus in New York for a major sovereign AI initiative designed to support air-gapped AI workloads. The facility is home to the largest NVIDIA GB300 NVL72 cluster in New York State, representing a significant milestone in next-generation AI infrastructure.

As part of this initiative, Silverback Data Center Solutions executed the physical deployment of approximately 20 MW supporting more than 12,000 GPUs, delivering high-density cabling, direct-to-chip liquid cooling installation, infrastructure validation, and quality assurance across the deployment.

Working under compressed timelines, evolving port maps, material constraints, and changing deployment requirements, Silverback rapidly scaled field operations and implemented dual-shift schedules to maintain deployment velocity without compromising quality.

Project Metrics	
AI Capacity Deployed	Over 20 MW of critical load
GPUs Supported	12,000+
AI Pods Deployed	12
Racks Deployed	168
GPUs per Rack	72
Rack Density	120 kW per rack
Cooling Infrastructure	Direct-to-chip liquid cooling utilizing single-phase water
Cables Installed	24,000
Transceivers Installed	48,000
Peak Onsite Technicians	68
Deployment Timeline	Approximately 60 days
Operations Model	Two 12-hour shifts, six days per week

Proven Execution

- Rapidly scaled field resources with only five business days' notice.
- Expanded to dual-shift operations to meet accelerated deployment milestones.
- Delivered two to three AI pods per week under compressed timelines.
- Successfully adapted to evolving port maps and cabling design changes throughout the project.
- Maintained deployment quality while minimizing rework despite changing project requirements.

Services Delivered

- AI Infrastructure Deployment
- Direct-to-Chip Liquid Cooling Deployment
- High-Density Cabling Installation
- Transceiver Installation and Validation
- Infrastructure Quality Assurance

About Silverback

Silverback Data Center Solutions is the execution partner for high-density AI infrastructure. We deploy, integrate, and migrate next-generation compute environments, including direct-to-chip liquid cooling systems, for enterprises, colocation providers, OEMs, and AI innovators.

info@teamsilverback.com | 1 888 245 2344 | www.teamsilverback.com