

Self-Performing Critical Maintenance

Mission Critical Maintenance for Data Centers

Self-performing critical maintenance for data centers at or above industry standards, ABM maintains Tier 3 and Tier 4 data centers at or above industry standards for N+1 Tier 2 data centers.

CHALLENGE

Designed to double its megawatts of capacity for High Performance Computing (HPC), this facility operates data centers at N+1 Tier 2 in support of large-scale projects.

With tons of cooling capacity and state-of-the-art power distribution for critical HPC assets on site, a vast array of equipment needs to be operated and maintained per engineered specifications, including:

- Paralleling switchgear
- Double conversion and rotary UPSs
- VLRA battery backups
- Megawatts of standby generator capacity
- PDUs and distribution panels
- 500-ton air-cooled chillers
- 150-ton dry coolers
- Thermal storage tanks
- Free cooling, airside economizers, water-side economizers
- Custom AHUs, CRAC/CRAH units, fan walls and in-row cooling
- Humidity control, smoke detection and clean agent systems

To reduce risk of downtime and achieve cost savings, this supercomputing center needed services to meet strict standards across multiple technical disciplines.

SOLUTION

Relying on our ability to self-perform mission critical services and our extensive experience with Tier 3 and Tier 4 data centers, ABM proposed an efficient, comprehensive service plan.

BENEFITS

Improved operations, cost savings and reduced downtime resulted from ABM teams self-performing critical maintenance and operations at or above industry standards for N+1 Tier 2.

- Integrated, self-performed services across all mechanical maintenance and in-scope electrical system upgrades
- Daily rounds to verify operations as designed with no infrastructure issues
- ABM operates, maintains, and services all critical equipment within scope
- Escort vendors and construction personnel to assure work performed meets standards of uptime protection
- Greater control during critical events minimizes risk of downtime and increases safety

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