CASE STUDY

HOW MAYSTEEL'S HOT AISLE CONTAINMENT SOLUTIONS SOLVED A GC'S CHALLENGES





PROJECT OVERVIEW

A leading general contractor (GC) specializing in large-scale data center construction faced serious challenges with their hot aisle containment (HAC) system suppliers. Issues included inconsistent pricing across bids, unreliable installation, and gaps in communication that created uncertainty throughout the project lifecycle, putting critical construction schedules at risk.

Maysteel stepped in as a strategic manufacturing partner, delivering engineered HAC systems that met exact specifications while providing consistent bid pricing, turnkey installation, and proactive communication from initial planning through final deployment. This partnership demonstrates why top GCs and data center integrators serving AI and hyperscale organizations trust Maysteel to keep mission-critical projects on track.

SOLUTION

HAC systems are essential to modern data center thermal management and operational efficiency. As AI and hyperscale workloads drive unprecedented cooling demands, liquid cooling infrastructure has become increasingly integrated with HAC requirements, creating mission-critical thermal management challenges.

For this general contractor, Maysteel assembled a dedicated program team that designed and delivered custom HAC solutions aligned with construction schedules, complex site requirements, and custom specifications. Our solutions integrate seamlessly with both traditional air-cooled infrastructure and emerging liquid cooling deployments, while our floor-mounted racking solutions provide the structural foundation these high-density environments demand.

By combining in-house engineering with proactive project management and coordinated supply chain execution, Maysteel streamlined the entire process – meeting tight deadlines while maintaining the quality and consistency that define our reputation in data center infrastructure.

APPROACH

Maysteel partnered closely with the GC and installation team to deliver a high-performance HAC solution that aligned with construction timelines and project goals. Our cross-functional approach improved coordination, accelerated delivery, and ensured consistent quality throughout.

Engineering-Driven Collaboration: Applied thermal management and design expertise to optimize HAC performance.

Aligned Partnerships: Worked closely with installers and project teams for seamless integration.

Program-Specific Project Management: Maintained regular funnel reviews and coordination from pre-construction planning through final installation.

Maysteel by STEELE SOLUTIONS

RESULTS

PROVEN PERFORMANCE

Maysteel HAC systems delivered reliable thermal management in high-demand data center environments.

ON-TIME & ON-BUDGET EXECUTION

Coordinated engineering and manufacturing kept construction projects on schedule and on budget.

TRUSTED PARTNERSHIP

The GC now recognizes Maysteel for our responsive collaboration, consistent quality, and ability to scale solutions.

KEY TAKEAWAYS

ON-TIME DELIVERY & RELIABLE BID STRUCTURES

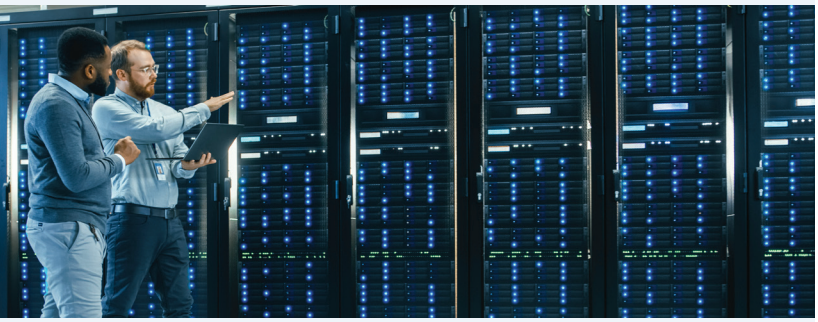
Delivered HAC systems on schedule and provided GCs with transparent, comprehensive bid submittal information.

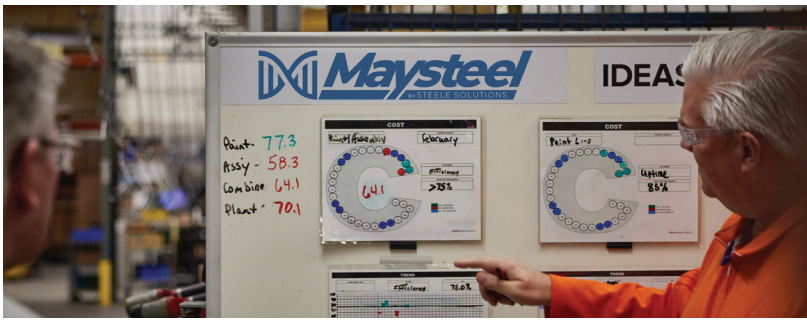
PROACTIVE COMMUNICATION

Regular coordination from preconstruction through installation eliminated gaps and delays.

SCALABLE PARTNERSHIP

Proven capability to support multiple simultaneous data center projects.







PARTNER WITH MAYSTEEL FOR YOUR NEXT DATA CENTER BUILD

Whether you're managing a single data center or coordinating multiple sites, Maysteel's dedicated program teams work alongside GCs and integrators to deliver custom HAC solutions, floor-mounted racking systems and liquid cooling infrastructure that meet your specs, timelines, and budget. Ready to talk through your next project? **Let's get on a call.**