

Case Study:

Sycomp Improves Time to Deploy for Large Data Center Rollouts with Turnkey IT Logistics and Specialized Engineering Expertise

About the Customer

An industry-leading electric vehicle (EV) manufacturer, this innovative customer is dedicated to building a world powered by sustainable energy.

Industry: Automotive Manufacturing

Solution: Sycomp's Global Integration & Logistics and Systems Integration Services



Customer's Challenge

In order to support various high-performance computing applications, AI, machine learning and comprehensive data analytics, this Sycomp customer requires a network of powerful data centers. The robust computational capabilities that drive this innovative EV manufacturer's operations, innovation and growth rely on Supermicro systems equipped with NVIDIA GPUs.

In the effort to scale this infrastructure across their footprint, deployment of these systems became challenging for the customer due to:

- Growing shipment sizes
- Specialized installation requirements
- On-demand inventory management needs

To simplify their data center growth process, the automotive manufacturer determined they needed a streamlined approach to managing and coordinating hardware shipments, outsourced support and engineering expertise for the system installations, and a solution that would enable their team to access and manage inventory precisely instead of stockpiling.

The Sycomp Solution

The customer's search for a scalable, turnkey data center deployment solution led them to Sycomp's team of global IT, logistics and business specialists. Leveraging Sycomp's network of warehouses, integration centers and certified engineers, an agile process was developed to meet the business objectives of the growing global organization.

Warehouse & Logistics Services

- Deliveries of Supermicro systems with NVIDIA GPUs are received and managed at Sycomp warehouses
- Inventory is managed and light integration is performed by Sycomp's certified specialists
- Hardware is dispatched in truckloads per installation schedule executed by Sycomp's logistics team

Systems Integration

- SMServer systems with NVIDIA GPU nodes are installed by Sycomp's specialized engineering teams
- Extensive network infrastructure is built across 200–400 racks per engagement
- Meticulous cable management and rigorous validation is conducted for seamless operation

Program Management

- Inventory is purchased regionally and stored securely in Sycomp's advanced warehouses
- Deliveries, invoicing, and taxes based on destinations are handled in a dynamic workflow by Sycomp's logistics experts
- Private network access allows the customer to test systems within Sycomp's integration center
- Customer-owned inventory ensures availability and vendor payment

The Results

By leveraging Sycomp's comprehensive data center integration and logistics services, this leading EV manufacturer has been able to streamline the implementation and deployment of their data center growth plan without the added cost and time investment required to support staff and store hardware inventory. For this customer, the benefits of Sycomp's exceptional end-to-end management of IT initiatives include:



Streamlined Material Management

Utilizing Sycomp's modern warehouses and integration centers to facilitate materials management through a "just-in-time" receiving model approach, this customer's data center integration deployments became more efficient and cost-effective. Sycomp manages documentation and acts as local storage capacity for product and inventory reclamation, streamlining the entire process for the customer's IT team.



Expert Installation Support

Leveraging Sycomp's team of certified engineers to execute extensive installations of large-scale builds, this customer saves the time and budget required to maintain an in-house staff that meets specialized requirements. Plus, Sycomp's proven expertise in systems integration provides the manufacturer with high-quality work and accelerated deployment timelines.



Rapid Turnkey Deployment

The advantage of customer-owned inventory is the flexibility to adhere to specific deployment schedules by providing "just-in-time" compute resources for stakeholders. When combined with Sycomp's warehouse and logistics capabilities, as well as the team of certified engineers to manage integration, this approach enables the customer to respond swiftly to project needs through Sycomp's rapid turnkey deployment.

Sycomp has successfully managed **deployments of over \$30 million** in Supermicro/NVIDIA GPU systems, including **more than 30 engagements** across various data centers in this EV manufacturer's network.

About Sycomp

Sycomp is a global IT services and logistics provider with extensive expertise in cloud, data center, endpoint management and security solutions. Sycomp's diverse team of consultants and engineers deliver on the company's mission to tackle challenging global IT projects through its state-of-the-art integration and warehouse centers and global technology partnerships. Headquartered in the heart of Silicon Valley, California, Sycomp has successfully shipped, deployed and managed complex IT projects and supporting assets in more than 150 countries helping its Fortune 500 customers and global partners realize a world without boundaries. Visit [sycomp.com](https://www.sycomp.com) for more information.

Contact Sycomp for all your global integration and logistics needs at getservices@sycomp.com

