AI & Cyber Labs

Accelerate AI innovation by prototyping, testing, and deploying AI use cases in cutting-edge facilities.

SHI's AI & Cyber Labs empower you to explore the latest AI solutions, validate your use cases, and confidently deploy new technologies. With help from our experts, you can easily accelerate innovation and integrate leading AI solutions across your entire organization.

Bring your AI strategy to life

SHI's AI & Cyber Labs give you hands-on experience with next-generation AI technologies, enabling you to prototype generative AI applications and test innovative use cases in real-world scenarios.

Collaborate closely with our AI experts to quickly build, rigorously test, and validate AI solutions in a secure environment, prior to full production deployment.

Our approach allows you to:

- "Fail fast, win faster" by testing and validating AI workloads and use cases.
- Explore next-generation AI technology stacks.
- Assess the feasibility and impact of AI and large language models (LLMs).
- Reduce investment risk by leveraging a collaborative space for rapid prototyping and incubating ideas and solutions.
- Leverage expert guidance with SHI's AI-certified data scientists, architects, and engineers.

Fast facts

Infrastructure and investment at SHI's Data Center Factory at Ridge:

- **$20M investment:** Facilities upgrades, advanced technology systems, and personnel
- **Total facility**: 394,255 square feet
- **60+ GPUs:** Deployed in the lab (L40s, H100s, and H200s)
- **Building power:** 13,200 medium voltage switchgear
- **Backup power:** 2x 1500 KW diesel generators; current: 4 MW (capable of 8 MW)
- **Solar array on roof:** 2 MW

"SHI is the most complete and capable NVIDIA partner."

"SHI is a full-stack, one-stop shop for AI solutions."

"SHI recently achieved status as an NVIDIA DGX SuperPOD Specialization Partner."

*— **Senior leaders at NVIDIA GTC 2025***

Why SHI for AI
Building confidence and success through enterprise AI infrastructure projects

AI-first culture: SHI's internally built generative AI platform with 300+ use cases enables us to understand and guide organizations through successful AI adoption and long-term utilization.

Unique offerings: Utilize our proprietary next-generation AI Lab, access to our team using advanced GPU infrastructure, and guidance from hundreds of in-house AI experts to validate outcomes before large-scale investments.

Rapid concept validation: Test AI technologies within weeks, ensuring positive ROI before committing to large hardware and software investments.

Global integration capabilities: Prefabricate, build, test, validate, and deploy complex AI infrastructure and advanced high-performance computing platforms.

AI Demo and Experience Center (AIDEC)
Get hands-on experience with the latest AI applications and platforms.

- Digital human virtual assistants
- Chatbot and language translation
- Fine-tuning as a service (FTaaS)
- Vision AI
- NVIDIA Omniverse
- SHI's AI platform: Mindspark
- Polimorphic
- Iternal Technologies
- Diagenix
- AI cloud platforms: AWS, Azure, Google, Microsoft, and NVIDIA

Next-generation AI infrastructure and platforms
Gain real-world experience using the latest AI technology stack and AI software platforms from leading AI providers.

CISCO Partner | ddn | DELL Technologies TITANIUM BLACK PARTNER | Hewlett Packard Enterprise | Lenovo | NetApp

NVIDIA | PURESTORAGE | VERTIV | WEKA

SHI's experimentation as a service
Reduce your investment risk in our secure sandbox environment, where you can test multiple use cases.

- 2-week POC
- 6-week POC
- Custom POC
- Weekly sprints - Enhanced RAG, fine-tuning as a service, automated monitoring for performance management, etc.

Access to next-generation AI infrastructure to transform your business with AI

Investing in AI infrastructure encompasses assessment, deployment, activation, administration, and security, all of which bring a substantial learning curve. SHI's AI & Cyber Labs provide crucial support at every step. We assist with the initial setup of your AI platform, provide training for platform administration, and ensure ongoing and successful use.

Spotlight on customer success

Financial services:
Algorithmic trading company

- SHI provided design assistance on the NVIDIA DGX™ platform for algorithmic trading models and high-frequency trading.
- We performed a site survey to ensure power and cooling requirements supported AI technology deployment.
- We readied the customer for additional scaling of NVIDIA infrastructure.

Retail:
Supply chain management company

- The company wanted to develop their own natural language process (NLP) system.
- The application would be tied to their financial ecosystem for fraud detection.
- We validated their technology stack and determined NVIDIA DGX™ as their best fit.

Why SHI

SHI is your strategic partner across leading AI platforms, technology providers, and security solutions. Partnering with top AI hardware and software providers, we offer access to cutting-edge AI technologies and a comprehensive support journey from concept to large-scale deployments. Our hundreds of AI-certified engineers, architects, and technicians are ready to deliver end-to-end services, enabling you to run nearly any workload in the cloud, on-premises, or at the edge. As a global technology provider, SHI has guided enterprise partners through complex technology shifts for more than 35 years. We collaborate with business leaders daily, helping to transform uncertainty into clear, actionable strategies.

Schedule a consultation with our experts today.