



Advanced AI labs

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



SHI's advanced AI 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 advanced AI labs give you hands-on experience with cutting-edge AI technologies, enabling you to prototype generative AI applications and test innovative use cases in real-world scenarios.

Collaborate closely with our data scientists, certified AI architects, and engineers to quickly build, rigorously test, and validate AI solutions on a small scale – prior to full production deployment.

Our approach allows you to:

- Explore next-generation AI technology stacks.
- Test and validate use cases.
- Assess the feasibility and impact of AI and large language models (LLMs).
- Seamlessly integrate large multimodal models (LMMs) with data modalities such as text, images, audio, video, and more.
- Mentor with SHI's data scientists, certified AI architects, and engineers.

SHI's infrastructure expertise

Our data scientists', certified AI architects', and engineers' credentials cover:

- Multi-million-dollar investment in AI technology and software.
- Certified AI architects and engineers across Microsoft Copilot, AWS Bedrock, Azure OpenAI, and Google Gemini.
- AI technology includes: Dell, NVIDIA, VMware, Lenovo, PowerSwitch, and more.
- Digital twin capabilities by Omniverse.
- AI management and orchestration platforms (MLOPS).

Solution benefits

SHI's advanced AI labs provide:

Speed and agility: We quickly test and validate within weeks whether a concept can be brought to life within the customer environment with existing AI technologies and platforms.

Reliable expertise: Our teams have years of experience solving the toughest engineering challenges.

Risk-free validation and financial planning: SHI's labs give you the infrastructure and expertise you need, so you can focus on validating outcomes before making large investments.

Outcome-focused collaboration: SHI is your secure, trusted partner with the lines of business to accomplish your goals quickly and efficiently.

Transform your business with AI deployment

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



Our advanced AI labs offer a comprehensive suite of resources:



AI platform lab

Experience leading AI platforms in a secure environment. Configure and deploy solutions to accelerate code development, enhance communication, and drive innovation with:

- Microsoft Copilot.
- AWS Bedrock.
- Azure OpenAI.
- Google Gemini.
- NVIDIA Enterprise AI.



Advanced AI demo lab

Get hands-on experience with AI use cases. Our certified AI experts guide you through:

- Code generation.
- Intelligent automation.
- Conversational user interface.
- Anomaly detection.
- Vision AI (video analytics).
- Next-generation infrastructure management.
- GPU resource management monitoring and optimization.
- MLOPS solutions.



AI pilot lab

Our secure sandbox environment allows for risk-free experimentation. Test multiple use cases to:

- Evaluate different technology stacks.
- Fine-tune your approach.
- Ensure a successful production rollout.

How we've helped our customers fulfill their AI goals:



Financial services:

Algorithmic trading company

- Provided design assistance on NVIDIA DGX platform for algorithmic trading models and high-frequency trading.
- Performed a sight survey to ensure power and cooling requirements supported AI technology deployment.
- Readied customer for additional scaling of NVIDIA infrastructure.



Retail:

Supply chain management company

- Company looking to develop their own natural language process (NLP) system.
- Application would be tied to their financial ecosystem for fraud detection.
- We validated their technology stack and pinpointed NVIDIA DGX as their best choice.

Why SHI

SHI is your strategic partner across leading AI platforms, technology providers, and security solutions. We have hundreds of certified engineers and technicians ready to deliver end-to-end services that enable you to run nearly any workload in the cloud, on-premises, or at the edge.

Ready to transform your organization with AI? **Schedule a consultation** with our experts today.