



# SMX Elevate™ AI Labs

Rapid and Secure Generative AI Toolsets for  
Achieving Mission Success

## Secure AI Solutions from a Trusted Mission Partner

As Generative AI (GenAI) continues to rapidly reshape the technology and business landscape, understanding the flood of GenAI solutions entering the market grows ever more vital to keeping your enterprise competitive. Your organization needs secure, purpose-built AI that supports mission goals while safeguarding sensitive data.

While GenAI offers transformative potential, **security and reliability concerns remain a key barrier to adoption**. Incidents of unintentional data exposure through public GenAI tools highlight the risks of integrating AI without robust safeguards, leading to potential privacy breaches and catastrophic data leaks and hallucinations. As a result, many organizations hesitate to implement AI solutions, particularly in mission-critical settings.

Yet restricting AI use internally often pushes employees to rely on unsecured external tools, increasing the risk of data leaks and compromising organizational security. SMX Elevate AI Labs addresses this challenge by providing a **secure, enterprise-grade sandbox** for AI experimentation. This solution empowers organizations to innovate confidently while maintaining complete control over data integrity, privacy, and access.

### Features

- Secure, Compliant Sandbox for AI Experimentation
- Enterprise-Grade Code Generation Tools
- Comprehensive Transparency and Traceability Logs
- Data-Driven Decision Making with AI-Enhanced Experimentation Tools

## SMX Elevate AI Labs: A Secure, Compliant AI Environment

SMX Elevate AI Labs provides a secure enclave to protect your organization's proprietary information, preventing inadvertent data leaks or unauthorized training of public LLMs (Large Language Models).

### Key Features and Benefits:

- **Rapid Deployment:** Set up a private, secure sandbox in less than a day.
- **Compliance Ready:** Fully adheres to stringent privacy, security, and data ownership standards, including **FedRAMP**.
- **Flexible Integration:** Connect curated data sets and repositories to LLMs and transformer models of your choice in **any cloud environment**.
- **Risk-Free Innovation:** Unlock the speed and possibilities of cutting-edge GenAI tools without compromising security or privacy.

## Code Generation Tools: Enterprise-Grade, Secure, and Traceable

Generative AI is transforming software development, enabling teams to create high-quality code more efficiently. However, public GenAI tools often present significant security and quality challenges. SMX Elevate AI Labs mitigates these risks by providing:

- **Secure Code Generation:** Generate high-quality code directly within your development environments (IDEs).
- **Private Repository Integration:** Link your organization's curated code repositories to train AI tools securely, ensuring alignment with internal standards.
- **Traceability and Accountability:** Access JSON-based log outputs to document and verify all AI-generated outcomes, supporting risk management and regulatory compliance. SMX Elevate AI Labs embeds secure GenAI into your development processes, boosting productivity without sacrificing security or quality.

# AI Experimentation Tools for Data-Driven Decision Making

AI experimentation is essential for organizations seeking to optimize decision-making and reduce operational costs. With SMX Elevate AI Labs, your team can:

- **Securely Experiment:** Utilize commercial transformer models on your proprietary data to explore AI applications, including:
  - Customer behavior analysis
  - Sentiment analysis
  - Predictive modeling
  - Chatbot development
  - Cost optimization
- **Evaluate Model Accuracy:** Assess and refine models in a secure environment to reduce risks and improve outcomes.
- **Enhance Accountability:** Provide reproducible, auditable results critical for government and public-sector clients.

SMX Elevate AI Labs ensures safe, reproducible AI experimentation, allowing mission-driven organizations to make informed, data-backed decisions with confidence.

## Mission Successes with SMX Elevate AI Labs

- **Department of Defense:** SMX partnered with a COCOM and other industry/government stakeholders to deliver an advanced AI/ML enabled planning and decision-making tool to quickly generate and analyze military courses of action in a data-driven environment. This tool drastically reduces the time from plan inception to decision-making while increasing the fidelity, accuracy, and number of high-confidence options available.
- **Federal Law Enforcement Agency:** SMX implemented ThoughtSpot for Generative AI-powered analytics and natural language dashboard creation automation.
- **Department of State:** SMX designed, developed, implemented, and maintained a data warehouse and associated analytical dashboards used by the President's Emergency Plan for AIDS Relief (PEPFAR).
- **Department of the Interior:** SMX built a sustainable, modern, and extensible data rich platform that organizes complex data and graphical systems, enabling the client to conduct anomaly modeling and fraud detection.

## Our AI Technology Solutions



### Technology Partners

- Google Gemini AI
- Azure OpenAI
- AWS Bedrock



### Large Language Models (LLMs)

- OpenAI GPT
- PaLM2
- Claude
- Llama
- Meta
- Mistral
- Titan



### AI Search

- Google Cloud Search
- Azure AI Search
- Amazon Kendra
- Weaviate
- Pinecone
- Chroma



### AI Coding Assistants

- Amazon CodeWhisperer
- GitHub Copilot
- Google Duet AI
- JetBrains AI
- GitLab Duo
- Code Llama
- Codestral

For more information, please contact: [solutions@smxtech.com](mailto:solutions@smxtech.com)

SMX harnesses the transformative power of technology to achieve mission success as a leader in digital and mission solutions, specializing in secure and advanced cloud, ISR, cyber, data analytics, engineering, space, and IT solutions. Operating in close proximity to our clients across the globe, the SMX team has a shared vision to deliver scalable and secure solutions to assure outcomes for the critical missions of our Government and commercial clients.

Learn more about our current contracting vehicles: [www.smxtech.com/contracting-vehicles](http://www.smxtech.com/contracting-vehicles)