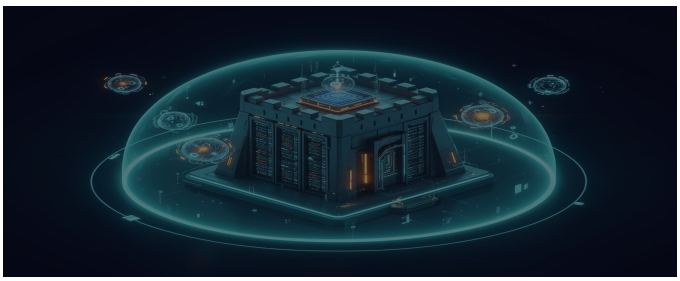
TraceForge AI

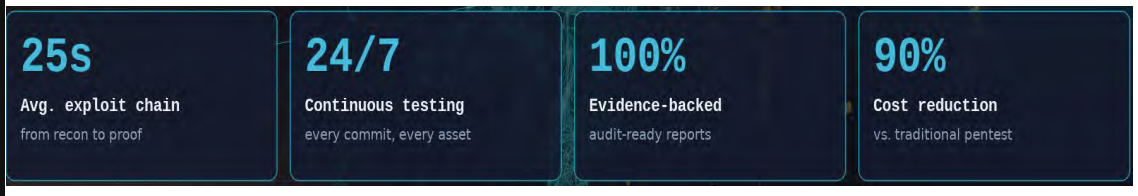
Autonomous Security Operations

Next-generation AI-driven cybersecurity automation — proactive, intelligent, and resilient defense at operational scale

TSG TraceForge AI delivers next-generation AI-driven cybersecurity automation for organizations requiring proactive, intelligent, and resilient defense capabilities. By combining autonomous AI agents, dedicated security language models, and real-time orchestration, TraceForge AI enables organizations to rapidly identify vulnerabilities, simulate adversarial threats, and strengthen operational cyber resilience. The platform employs a **Token-Less Architecture in a completely air-gapped system** and provides protection against deep-fake threats.

Designed for enterprise, government, defense, industrial, and critical infrastructure environments, TraceForge AI reflects Tactical Solutions Group's commitment to secure, intelligent, and mission-ready technology solutions. The platform integrates with SDRs, spectrum analyzers, and RF sensors to provide **AI-driven spectrum intelligence and communications resilience.**





About TSG

Tactical Solutions Group provides an array of integrated systems that facilitate secure, real-time, and interoperable communications across different operational domains. These platforms are designed to support critical sectors such as government, military, financial, public utilities and the mining industry, where seamless coordination, security, and reliability are paramount.

50 YEARS SOLVING

INTEGRATION AND INTEROPERABILITY CHALLENGES

TraceForge AI Feature Offerings

CORE AI CAPABILITIES	• Autonomous AI agents with specialized security language models • Domain-specific RAG integration • Automated exploit simulation • Threat modeling and social engineering support • Continuous learning and adaptive operations • Deep-fake detection and protection
SECURITY OPERATIONS	• Autonomous vulnerability identification and validation • Adversarial threat simulation • Tactical communications security validation (P25, LTE, SATCOM) • RF network cybersecurity and rogue transmitter detection • Communications interoperability assurance • Jamming, spoofing, and unauthorized RF node detection
SPECTRUM & RF INTELLIGENCE	• AI-assisted spectrum analysis (SDR, spectrum analyzers, RF sensors) • Dynamic frequency selection and optimization • RF interference detection and classification • AI-driven communications interoperability mapping • SDR and O-RAN integration • EW and SIGINT application support
ARCHITECTURE FEATURES	• Token-Less efficient architecture • Air-gapped deployment capability • Energy-efficient local processing • Prompt compression and tool-first execution • Scalable deployment without excessive computational overhead • Fallback resiliency mechanisms and dynamic intelligence updates

321-218-4670 (Corporate) | 786-890-5840 (Sales)
projects@tacticalsolutionsgrp.com

Next-generation AI-driven cybersecurity automation — proactive, intelligent, and resilient defense at operational scale

760 North Drive, Ste. B
Melbourne, FL 32934