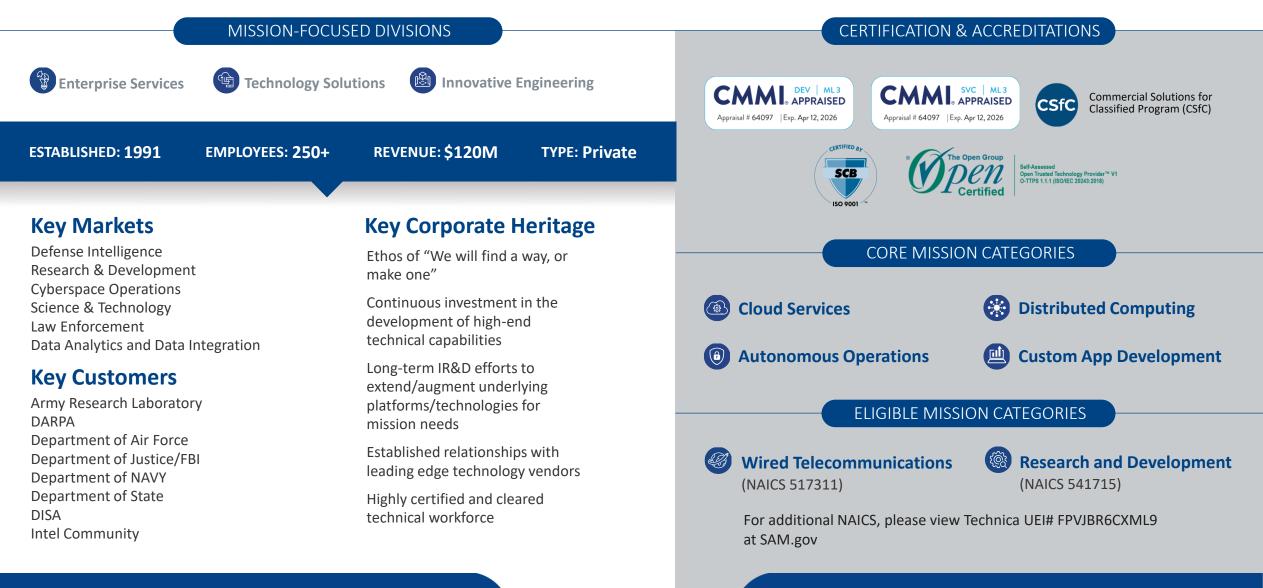# Autonomous Cyberspace Operations

Leveraging Emerging Technologies to Secure, Operate, and Defend Cyberspace

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Director of Business Development for Navy, USMC and USCG
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Technica Corporate Overview

Enterprise Services Technology Solutions Innovative Engineering

ESTABLISHED: 1991   **EMPLOYEES:** 250+   **REVENUE:** $120M   **TYPE:** Private

Key Markets

Defense Intelligence
Research & Development
Cyberspace Operations
Science & Technology
Law Enforcement
Data Analytics and Data Integration

Key Customers

Army Research Laboratory
DARPA
Department of Air Force
Department of Justice/FBI
Department of NAVY
Department of State
DISA
Intel Community

Key Corporate Heritage

Ethos of "We will find a way, or make one"

Continuous investment in the development of high-end technical capabilities

Long-term IR&D efforts to extend/augment underlying platforms/technologies for mission needs

Established relationships with leading edge technology vendors

Highly certified and cleared technical workforce

CERTIFICATION & ACCREDITATIONS

CMMI DEV | ML 3 APPRAISED
Appraisal # 64097 | Exp. Apr 12, 2026

CMMI SVC | ML 3 APPRAISED
Appraisal # 64097 | Exp. Apr 12, 2026

CSfC Commercial Solutions for Classified Program (CSfC)

CERTIFIED BY SCB ISO 9001

The Open Group OPEN Certified
Self-Assessed
Open Trusted Technology Provider™ V1
O-TTPS 1.1.1 (ISO/IEC 20243:2018)

CORE MISSION CATEGORIES

- Cloud Services
- Distributed Computing
- Autonomous Operations
- Custom App Development

ELIGIBLE MISSION CATEGORIES

Wired Telecommunications
(NAICS 517311)

Research and Development
(NAICS 541715)

For additional NAICS, please view Technica UEI# FPVJBR6CXML9 at SAM.gov

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THE CHALLENGES TO NETWORK AND SECURITY OPERATIONS

Increasing Complexity and Scale
- Thousands of diverse technology components generating large volumes of data
- Complex, dynamic interdependencies
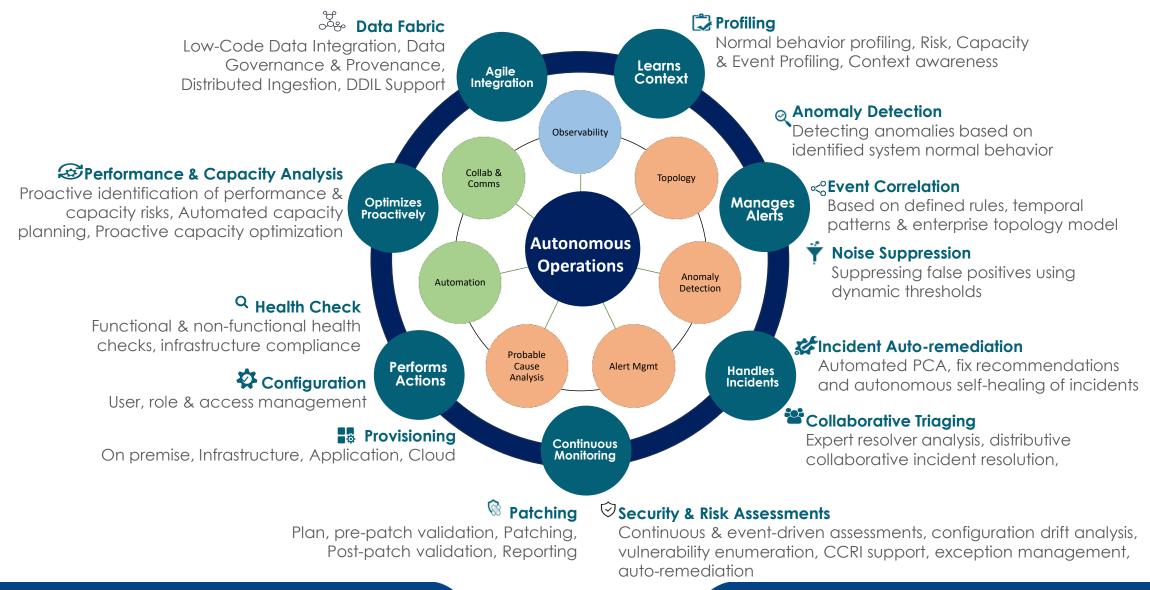- Fragmented and domain-based security and management tools

Lack of Context and Intelligence
- No central view of issues and resulting impact on missions
- Lack of details and context increases the time to determine root cause
- Inability to predict incidents, operating reactively

Lack of Analytics and Automation
- Manual processes, triage, and remediation are unable to adapt quickly to change
- High MTTR impacts mission readiness
- Lack of continuous compliance and risk assessment exposes vulnerabilities
- Rising risks of human error

ENHANCING CYBERSPACE OPERATIONS THROUGH AIOPS

Data Fabric
Low-Code Data Integration, Data Governance & Provenance, Distributed Ingestion, DDIL Support

Profiling
Normal behavior profiling, Risk, Capacity & Event Profiling, Context awareness

Anomaly Detection
Detecting anomalies based on identified system normal behavior

Performance & Capacity Analysis
Proactive identification of performance & capacity risks, Automated capacity planning, Proactive capacity optimization

Event Correlation
Based on defined rules, temporal patterns & enterprise topology model

Noise Suppression
Suppressing false positives using dynamic thresholds

Health Check
Functional & non-functional health checks, infrastructure compliance

Incident Auto-remediation
Automated PCA, fix recommendations and autonomous self-healing of incidents

Configuration
User, role & access management

Collaborative Triaging
Expert resolver analysis, distributive collaborative incident resolution,

Provisioning
On premise, Infrastructure, Application, Cloud

Patching
Plan, pre-patch validation, Patching, Post-patch validation, Reporting

Security & Risk Assessments
Continuous & event-driven assessments, configuration drift analysis, vulnerability enumeration, CCRI support, exception management, auto-remediation

Diagram elements:
- Agile Integration
- Learns Context
- Manages Alerts
- Handles Incidents
- Continuous Monitoring
- Performs Actions
- Optimizes Proactively
- Observability
- Topology
- Collab & Comms
- Automation
- Anomaly Detection
- Probable Cause Analysis
- Alert Mgmt
- **Autonomous Operations**

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WARFIGHTER BENEFITS

- **Deliver Actionable Insights**
  - Surface signals by reducing noise to focus on what's important and eliminate issues proactively
  - 4,500+ anomalies detected proactively @ Shipping / Logistics Company
  - 6 Months Prediction of Capacity/Performance Issues @ US Pharma
- **Increase Operational Agility**
  - Spot trends and pinpoint root cause to reduce time to recover from outage
  - 96% MTTR Reduction @ Agribusiness Manufacturer
  - 90% incidents self-healed @ Luxury Retailer
- **Increase Productivity**
  - Autonomous incident resolution with over 15K ready-to-use workflows
  - 144K tickets handled automatically @ North American Grocer
  - Over 20 FTEs (38,400 man-hours) saved over 2 years @ US Pharma
  - 21,500 incidents auto-triaged @ Shipping / Logistics Company
- **Reduce Operational Risk**
  - Continuous compliance with configuration baselines, security controls, and policies
  - 100% Auto-Patching & Compliance @ North American Telco
  - 800+ Auto-patching & Compliance Controls @ Agribusiness Manufacturer

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Innovation In Action