Capability Statement

MZI Solutions

From ideas to reality!

UEID: CH5BT19LVPC7

Cage Code: 7XTC8

NAICS Codes:

541330 541512 541519 541611

541990 541690 488190 541618

541715 541511 518210

SAM Registration: Active

Accepting Credit Cards: Yes

Business Size: Small

Contract Detail:
FAA -
eFAST (Prime)
SETIS (Sub)
SE-2025 (Sub)
PSS (Sub)
Certifications:

Certified Systems Engineering Professional (CSEP), Certified Project Management Professional (PMP), Scrum Master, Agile

Contact:

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COMPANY OVERVIEW

With over 17 years of federal experience, as a small business, MZI leads the engineering process to bring ideas and concepts to operation by empowering federal agencies to evaluate legacy systems, improve safety and efficiencies, implement best practices, and deploy mission-critical solutions. Through our proven Triangle of Value-driven Operationalization (MTVO) framework, we architect advanced systems, verify design results, implement prototypes, and validate investments with a 100% operationalization success rate. Our engineering solutions serve over 670 million users annually while delivering $44 million in yearly cost savings.

Core Competencies

- Enterprise Architecture & Emerging Technologies (incl. AI/ML, Digital Twins)
- Model-Based Systems Engineering (MBSE) & Lifecycle Transformation
- Agile Software Development & DevSecOps Implementation
- Strategic Project & Program Management (PMP-certified leadership)
- Operational Modeling, Simulation, & Data-Driven Decision Support

DIFFERENTIATORS

- 100% operationalization success rate using MZI's proprietary MTVO framework
- 100% of personnel are PMP, CSEP, Scrum, Agile certified, and US-based
- Proven delivery of 59 systems across 42 sites, recognized by FAA executive leadership for performance excellence
- Continuous reinvestment in workforce training, AI/ML upskilling, and architecture modernization

PAST PERFORMANCE

FAA SE-2025 & ETASS | Mission-Critical Systems Deployment | 2015 to 2022 | Applied MTVO framework to successfully deploy 59 full-fidelity systems at 42 locations across the U.S., achieving 10% system efficiency improvement and 75% accessibility enhancement. Serving 1,000+ system users with 60,000+ annual hours while generating $44 million in yearly cost savings. Core capabilities: AI/ML adaptive learning, Agile development, investment analysis, and integrated V&V testing.

FAA SE-2025 & SETIS | Advanced Analytics & Digital Engineering | 2022 to Present | Leveraged MTVO framework to analyze 35,000+ flight hours across 82 metrics at 77 locations using AI/ML for traffic flow optimization. Developed digital twin methodologies and MBSE architectures enabling strategic UTM/UAM integration and next-generation airspace management decisions.

DoD Platform One & Cloud One | Enterprise DevSecOps Transformation | 2020 to 2023 | Implemented MTVO principles to modernize Air Force enterprise architecture through secure containerization, distributed microservices design, and CI/CD pipeline optimization. Delivered legacy system refactoring with NoSQL migration and fault-tolerant architectures enabling rapid, scalable multi-domain operations.

MTVO FRAMEWORK - MZI's proprietary Triangle of Value-driven Operationalization (MTVO) combines three core disciplines: Enterprise Architecture (building the right thing), Systems Engineering (building the thing right), and Foresight & Technology Strategy (building for the future). This integrated approach ensures value-driven outcomes, target state achievement, and business objectives alignment while reducing technical debt and organizational drift through our "curate once, reuse multiple times" methodology.