



CAPABILITIES STATEMENT

ENGINEERING | REVERSE ENGINEERING | ADDITIVE MANUFACTURING

COMPANY OVERVIEW

Middlesys Corp delivers additive manufacturing, mechanical engineering, reverse engineering, rapid rapid prototyping, and production support for organizations facing obsolete parts, legacy equipment, and equipment, and custom manufacturing requirements. We combine CAD, 3D scanning, engineering-grade engineering-grade materials, and precision manufacturing to move projects from physical component to component to validated digital model and functional prototype.

From obsolete component to validated prototype - faster, documented, and production-ready.

CORE CAPABILITIES

01

Engineering Services

Program management, subsystem integration, integration, mechanical engineering, CAD modeling, modeling, and engineering drafting.

02

Legacy Part Recovery

Reverse engineering of obsolete, discontinued, and hard-to-source components and assemblies.

03

Custom Part Design

Component replication and custom design using CAD modeling, precision measurement, and 3D scanning.

04

Additive Manufacturing

FDM and SLA prototypes plus durable end-use components using engineering-grade materials.

DIFFERENTIATORS

01

Legacy Component Recovery

Accurate 3D CAD models and mechanical drawings from physical samples - even when original original documentation is unavailable.

02

Faster Fitment & Validation

Functional 3D printed parts enable integration testing and design validation while reducing tooling cost tooling cost and lead time.

PAST PERFORMANCE

MILLSPA W ELECTRONICS, INC.

Reverse Engineering of Obsolete Component Assembly

2026 | \$7K

CHALLENGE

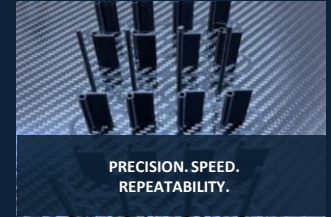
Legacy battery tray assembly with no existing CAD data.

SOLUTION

Delivered a complete SolidWorks 3D CAD model, detailed drawings, and SLA prototype assemblies within one week.

OUTCOME

Prototypes passed fitment and subsystem evaluation; design iterations were completed within three weeks.



COMPANY SNAPSHOT

EST. 2023
CAGE 16HV5
UEI G7YDQGZ7NAF8

PERTINENT CODES

541330 Engineering Services
541340 Drafting Services

LICENSES & CERTIFICATIONS

- ✓ Additive Manufacturing Fundamentals
- ✓ ASTM Professional Certificate in Certificate in AM
- ✓ ISO 9001:2015 Certified
- ✓ ISO/IEC 27001:2022 Certified

SELECTED CLIENTS

- Millspaw Electronics, Inc.
- Emitted Energy
- PERSICO
- 3CON Technologies

LET'S BUILD
THE
NEXT
SOLUTION.



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