

**PROJECT SUMMARY**
**5537.001**

# Manufacturing Innovation for Organic Industrial Base (OIB) Modernization – Pilot Program



*The Army Modernization Strategy describes how the Total Army – Regular Army, National Guard, Army Reserve, and Army Civilians – will transform into a multi-domain force by 2035, meet its enduring responsibility as part of the Joint Force to provide for the defense of the United States, and retain its position as the globally dominant land power.*

[https://www.army.mil/article/228561/army\\_modernization\\_strategy](https://www.army.mil/article/228561/army_modernization_strategy)

## PROBLEM

The FY22 National Defense Authorization Act, Section 354, directed a Pilot Program on Digital Optimization of Organic Industrial Base (OIB) Maintenance and Repair Operations. Paragraph (b)4 directs, “An assessment of automated, advanced, and additive manufacturing technologies that could improve maintenance, repair, and remanufacturing operations.”

## OBJECTIVE

Identify and map recommended advanced manufacturing technologies to improve efficiency and effectiveness at Department of Defense (DoD) OIB facilities to sustain and/or improve next-generation technologies and readiness.

## TECHNICAL APPROACH

Assess WVA and MDMC and map opportunities for digital models of tools/sets/configurations of tools, and operations that might be planned, developed, and implemented to support integration of recommended advanced manufacturing technologies.

## PROJECT START DATE

January 2023

## EXPECTED END DATE

September 2023

## EXPECTED DELIVERABLES

- Final report for Watervliet Arsenal (WVA)
- Final report for Marine Depot Maintenance Command (MDMC)

## FUNDING

**\$700,000 total project budget**

## PROJECT PARTICIPANTS

### Project Principal:

America Makes

### Other Project Participants:

MxD, ARM, LiFT, NextFlex

### Public Participants:

U.S. Department of Defense



**AMERICA MAKES  
TECHNOLOGY  
DEVELOPMENT  
ROADMAP**

This project aligns to:



PROCESS

**ASTM PROCESS  
CATEGORY**  
N/A

**EQUIPMENT**  
N/A

**MATERIAL**  
N/A