The Defense Manufacturing Supply Chain: Critical to the U.S. Economy and National Security

MADE STRONGER WITH MEP NATIONAL NETWORK™ SUPPORT

Contribution of Defense Contract Spending to State Economies

DEFENSE CONTRACT SPENDING DOLLARS AS PERCENTAGE OF STATE GDP:

3.1 - 6.0%
2.1 - 3.0%
1.1 - 2.0%
0.0 - 1.0%

Source: DoD Office of Economic Adjustment, Defense Spending by State, FY 2017; US DOC Bureau of Economic Analysis

TOP 10 STATES

Virginia
Connecticut
Alabama
Maryland
Maine
Mississippi
District of Columbia
Kentucky
Alaska
Arizona

Challenges Faced by the Defense Supply Chain

Defense Federal Acquisition Regulation Supplement (DFARS) Compliance Awareness (Survey of NDIA members)

Are Aware of Mandatory DFARS requirement: 84%

Have read DFARS requirement document: 60%

Found DFARS requirements difficult to understand: 46%

Employee Recruitment: 46%

Growth Opportunity: 43%

Product Development: 43%


Manufacturing’s Contribution to the Defense Supply Chain

(and how the MEP national network helps)

MEP Center Client Company

Limco Airepair, OK
Heat transfer solutions

Greno Industries, NY
Key precision parts

Triton Tech, MD
Electromagnetic protection

General Tool Company, OH
Machinery, equipment, parts, systems

ERK Precision Optical Systems, FL
High precision infrared & visible optics

Emhiser Research, NV
Airborne & ground-based telemetry equipment

Material, Component, or Subsystem Supplied

Cooling systems for...
High pressure & temperature safety
Army, electrical housing parts...
Torpedo for...
Optical components for...
Command/communications enclosures for...

Defense/National Security System where Used

Military vehicles
Navy ships
FEMA alert system
Submarines
Night vision equipment
Groses

Support for Company

Oklahoma Manufacturing Alliance; NADCAP certification
NY MEP; AS9100D compliance
MD MEP; Strategic consulting & presentation development
Ohio MEP; NIST SP 800-171 and DFARS compliance
Floridablim; Updating and training on metrology systems
Nevada Industry Excellence; ISO 9001 recertification

Emerging Technologies Identified as Critical for National Defense

Hypersonics
Artificial Intelligence/ Machine Learning
Quantum Science
Fully Networked: Command, Control, & Communications
Microelectronics

DOD NEEDS THE DEFENSE INDUSTRIAL BASE TO SUPPORT SCALE UP AND INNOVATION IN:

Hypersonics
Directed-Energy
Cutter
Artificial Intelligence/ Machine Learning
Quantum Science
Fully Networked: Command, Control, & Communications
Microelectronics

Source: 2018 Industrial Capabilities Annual Report to Congress

www.nist.gov/mep/mep-national-network
1-800-MEP-4MFG