



**U.S. Department of Defense**  
Office of Local Defense  
Community Cooperation

**Offering training opportunities**  
to veterans, soon-to-be-veterans, and  
their family members



## CONTENT OVERVIEW

### CERTIFIED PRODUCTION TECHNICIAN (CPT)



#### SAFETY & EMPLOYABILITY

- Production Teams
- Training and Leadership
- Safety Organization
- Personal Protective Equipment
- Fire and Electrical Safety
- Work Area Safety
- Hazardous Material Safety
- Tool and Machine Safety
- Material Handling Safety

#### MANUFACTURING PROCESS & PRODUCTION

- Mechanical Principles
- Mechanical Linkages
- Gear Drives
- Machining Processes
- Machine Tooling
- Machine Operations
- Equipment Procedures
- Production Planning and Workflow
- Production Control

#### QUALITY PRACTICES & MEASUREMENT

- Multi-view Drawings
- Assembly Drawings and Fasteners
- Geometric Dimensioning and Tolerancing
- Basic Measurement
- Precision Measurement Tools
- Dimensional Gauging
- Quality Systems
- Introduction to SPC
- Control Charts
- Continuous Improvement

**80-100**  
**HOURS**  
SELF-PACED,  
ONLINE

#### MAINTENANCE AWARENESS

- Welding
- Basic Electrical Circuits
- Electrical Measurements & Power
- Pneumatic Power Systems
- Basic Pneumatic Circuits
- Principles of Pressure and Flow
- Lubrication Concepts
- Bearings and Couplings
- Belt & Chain Drives
- Machine Control Concepts,
- Automation, & Operation Modes
- Electrical Motor Control

**MANUFACTURING SKILL  
STANDARDS COUNCIL (MSSC)**



America's leader in training and certifying foundational technical competencies for frontline technicians.



## NEW JERSEY DEFENSE MANUFACTURING COMMUNITY CONSORTIUM (NJDMCC)



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# SINCE 2000, NJMEP HAS HELPED MANUFACTURERS REALIZE MORE THAN \$7.17 BILLION IN VALUE.



**\$5.10 Billion**  
increased sales/revenue



**\$810 Million**  
in process savings



**\$1.38 Billion**  
in capital investments



**48,720 Jobs**  
created and retained



**\$7.17 Billion**  
in realized value

## A TEAM OF EXPERTS

NJMEP has been providing resources to help manufacturers succeed with growth, innovation, and commercialization that has supported economic growth for more than 20 years. Our tailored solutions, connections, and engineering know-how help manufacturers stay abreast of the latest innovative technologies and best practices.

We provide a full range of consulting and training services that help transform your organization into an innovative, high performing, market driven and cost effective operation. These services allow you to increase revenue, reduce costs and improve employee performance.

## WORKING WITH US

We will manage your project from start to finish by coordinating the work of NJMEP and outside experts, if required, while ensuring the project meets your expectations. You will receive updates on the status of the project, have opportunities for input and to measure results throughout the project. We will work directly with you and your staff to ensure your satisfaction.

## ROI IMPACT

For more than twenty years, NJMEP has helped manufacturers become more productive, profitable, and globally competitive. We don't just claim results – NJMEP's impact on the manufacturing community is collected by an independent, third-party.

## ABOUT THE MEP NETWORK

NJMEP is a not-for-profit 501(c)3 organization affiliated with The National Institute of Standards and Technology's (NIST) Hollings Manufacturing Extension Partnership (MEP), a network of approximately 60 MEP centers across the U.S. and Puerto Rico. NJMEP receives some investment and support at the federal level by NIST MEP. NJMEP also provides fee-based consultative services to the New Jersey business community.

Supporting service members, veterans & family members on their path into civilian employment through upskilling and placement support.



Joint Base  
McGuire-Dix-Lakehurst




# NJMEP

Helping New Jersey Manufacture Success



## Connect with NJMEP:

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