Available Resources to Business for State-of-the-Art Manufacturing
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About the NCDMM

• A 501C(3) organization

• Collaborate to deliver optimized manufacturing solutions that enhance the quality, affordability, maintainability, and rapid deployment of defense systems.

• Fifth year of operation

NCDMM is a resource to support your organization in today’s competitive manufacturing environment.
Issues Facing Small Business

1. Finding qualified skilled employees
2. Globalization
3. Increased usage of advanced materials
4. Certified Quality Management System
5. Threat/Opportunity of new technology

**INNOVATIVE** technology will mitigate or eliminate the impact of these issues. We must invest in our manufacturing future by **IMPLEMENTING** new technology!
NCDMM Small Business Support

- Review and assess manufacturing capability
- Provide manufacturing expertise – develop and implement
- Assist in implementing advanced technology
- Provide technology awareness and training programs
- Assist in identifying business opportunities
Examples/Savings

Chinook - Bulkhead Optimization
Objective: Reduce weight and improve reliability of floor frame bulkheads
IMPACT/COST AVOIDANCE $3.5M

Black Hawk Ti Rotor Component
Objective: Improve manufacturability from 60 to 95 pieces/week
IMPACT/COST AVOIDANCE $2.2M

Picatinny Arsenal XM982 Excalibur
Objective: Eliminate a production bottleneck from 40 hours/part to 1.5 hours/part
IMPACT/COST AVOIDANCE $75M

Edge-of-Part Composite
Objective: Reduce cost of trimming composite wing skins
IMPACT/COST AVOIDANCE $225M

To-date: 1) Over 75 projects have been completed
2) Partnered with 62 leading technology enablers
3) Engaged with over 80 shops
NCDMM Results

NCDMM has delivered:

• $478M in cost saving/avoidance in DoD efforts
• Assisted in $75M of defense work to small businesses
Engaging with NCDMM

How to engage with NCDMM

• Commercial and Non-Federal Agencies
  – Purchase order / Contract
• Annual Project Call
• Training program participation
• Make NCDMM aware of your capabilities

For our military to be the best they need innovative tools and weapons that require advanced manufacturing solutions.