



2025 MANUFACTURING TECHNOLOGY AWARDS

The ManTech Champion Award recognizes and honors an individual in government or the private sector who has made significant and enduring contributions to the DoD Manufacturing Technology program. The Award is presented by the Joint Defense Manufacturing Technology Panel (JDMTP) on behalf of all of the ManTech programs of the Army, Navy, Air Force, DLA, and OSD and is awarded at the discretion of the JDMTP. Any individual who is a “champion” of manufacturing technology is eligible to receive this award – most notably, someone who has consistently supported the powerful impact of manufacturing technology on increasing warfighter capability, reducing cost, and improving performance.

The award highlights individuals who have been resolute advocates of defense-critical advanced manufacturing, and who recognize the need for continued innovation in essential manufacturing capability in support of the warfighter. As the DoD’s only program with the statutory authority to advance American manufacturing technology, we strive to ensure our Nation’s warfighters are the beneficiaries of the most sophisticated technology industry can provide, and that we, as a department, provide those state-of-the-art technologies quickly and affordably.



AWARD
WINNERS

ManTech Champion Award

2025



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Chris Peters

Chris Peters has focused on defense manufacturing supply chains for more than 20 years. As CEO of The Lucrum Group, he has

developed, led or participated in various ManTech projects such as Connecting American Manufacturing. He also has conducted quantitative and qualitative research with the defense industrial base to better understand needs and issues and to identify opportunities for growth and improvement. Chris served as an industry member of the JDMTP AME subpanel for many years.

As founding executive director of the U.S. Partnership for Assured Electronics, Chris established and grew this non-profit organization to help ensure the U.S. government has access to trusted electronics supply chains.

He is a frequent speaker on defense manufacturing supply chains and has written many related papers and articles. His previous work has been featured in several books and publications that include *The Wall Street Journal*.

Chris is proud to have served in the U.S. Coast Guard.



Adele Ratcliff

Adele Ratcliff is a nationally recognized leader in defense manufacturing, workforce innovation, and industrial technology strategy. Known for

building programs that become the partner of first choice across government, industry, and academia, she led the transformation of the IBAS Program into a \$6B flagship initiative to strengthen the U.S. defense industrial base—including critical minerals, microelectronics, and advanced manufacturing.

Her pioneering efforts include launching Project MFG, America's Cutting Edge (ACE), and the Accelerated Training in Defense Manufacturing (ATDM), which now trains nearly 1,000 individuals annually in critical trades. She also helped establish ICAMS at Auburn University to develop applied manufacturing engineers and anchor regional economic growth.

Ms. Ratcliff is a frequent keynote speaker and panelist at national conferences, where she shares insights on industrial resilience, workforce revitalization, and emerging technologies. Now retired from federal service, she continues to advise and collaborate with partners committed to innovation and impact. She is a Fellow of SME and a graduate of Mississippi State University and the U.S. Army War College.

2025 Defense Manufacturing Technology Achievement Awards (DTMAAs)

The DMTAAs are sponsored by SME and awarded to ManTech teams who demonstrate outstanding performance in executing and delivering ManTech solutions for DoD. The Joint Defense Manufacturing Technology Panel would like to recognize these teams for their hard work and congratulate the winners of the 2025 DMTAAs.

2025 AWARD
AWARDEES

Defense
ManTech
Achievement
Awards

DTMAA Awardees



Quality Control, Quality Assurance Companion (QQComp)

Category: Technology Enabler
Service/Agency: OSD
Subpanel: AME



Small Caliber Projectile Cost and Risk Reduction

Category: Cost Reduction / Rate or Safety Improvement
Service/Agency: Army
Subpanel: AME



Manufacturing Epitaxial Ohmic Contacts

Category: Enhancing Military Capability
Service/Agency: DAF
Subpanel: Electronics



Submarine Large Diameter Ball Valve Improvement Navy ManTech Project #RT2837

Category: Readiness Improvement
Service/Agency: Navy
Subpanel: Metals



Blockchained In-Transit Asset Visibility

Category: Supply Chain Improvement
Service/Agency: DLA
Subpanel: N/A



Low Cost, Domestic Energy Storage/ Conversion Device Separator Plates

Category: Principals Award
Service/Agency: OSD
Subpanel: Metals

2025 JDMTP Service Recognition Awards

DoD ManTech and the JDMTP Principals recognize and thank the following members for their past contributions. These individuals have personally dedicated their time and manufacturing technology expertise and have shared critical information on their respective DoD component's manufacturing projects in order to exchange knowledge, identify mutual objectives, and jointly collaborate to improve the overall DoD ManTech program.



Denise Harris
Prior MDA Principal



John Vickers
Prior NASA Ex-Officio



John Cullum
Prior Electronics Subpanel Chair



Barry Burton
Prior Manufacturing Readiness Level
Working Group Chair



Dean Hutchins
Prior Metals Subpanel Chair



Bill Bernstein
Prior Advanced Manufacturing
Enterprise Subpanel Chair



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2025 JDMTP Service
Recognition Awards

Technology Enabler Nominations

The primary advancement is in software, hardware, firmware, data management, and related activities.



Advanced High Yield Infrared Focal Plane Arrays (IRFPA)

Service/Agency: OSD | Subpanel: Electronics



Joint Clothing Textile Modernization Initiative (JCTMI)

Service/Agency: OSD | Subpanel: AME



Production Optimization of HEL Optics (Coatings & Metrology)

Service/Agency: Army | Subpanel: Electronics



Quality Control, Quality Assurance Companion (QQComp)

Service/Agency: OSD | Subpanel: AME



Temporary Service Call Board

Service/Agency: Navy | Subpanel: AME

Cost Reduction / Rate or Safety Improvement Nominations

Projects where the primary objective is to reduce costs, increase rate or provide significant safety methodology for manufacturing production, or sustainment.



CRG Defense Ballistic Conformal Battery - Cell and Pack Manufacturing Maturation

Service/Agency: DAF | Subpanel: Electronics



Small Caliber Projectile Cost and Risk Reduction

Service/Agency: Army | Subpanel: AME



2025 AWARD
NOMINEES

Defense
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Nominees



Nominee



Awardee

Enhancing Military Capability Nominations

ManTech projects which enhance systems and sub-systems to improve military performances.



All Aviation Common Lithium-Ion Battery (AACLIB)

Service/Agency: Army | Subpanel: Electronics



Industrial Manufacture of Self-Damping Structural Materials

Service/Agency: OSD | Subpanel: Metals



Manufacturing Epitaxial Ohmic Contacts

Service/Agency: DAF | Subpanel: Electronics



Nickel Zinc Battery Manufacturing Automation for Joint Requirements

Service/Agency: OSD | Subpanel: Electronics

Readiness Improvement Nominations

Manufacturing technologies where the primary benefit is readiness.



Manufacturing Advancement for Fiber Laser Amplifiers (SEDE, MACHEL Diodes, DE MAC Laser)

Service/Agency: Army | Subpanel: Electronics



Submarine Large Diameter Ball Valve Improvement Navy ManTech Project #RT2837

Service/Agency: Navy | Subpanel: Metals

Supply Chain Improvement Nominations

Develop manufacturing technologies, processes, or workforce improvements that enhance efficiency (cost) and effectiveness (quality) of the supply chain.



Automated In-Line Inspection for High-Rate Production of Braided Composite Components

Service/Agency: DAF | Subpanel: Composites



Blockchained In-Transit Asset Visibility

Service/Agency: DLA | Subpanel: N/A



Blue Force Laser Diode Enhancement (BLADE)

Service/Agency: OSD | Subpanel: Electronics



Low Cost, Domestic Energy Storage/Conversion Device Separator Plates

Service/Agency: OSD | Subpanel: Metals

The Joint Defense Manufacturing Technology Panel seeks to recognize and honor those most responsible for outstanding technical accomplishments in achieving the vision of the DoD ManTech Program. That vision is to realize:

“A responsive world-class manufacturing capability to affordably and rapidly meet Warfighter needs throughout the defense system life cycle.”



PAST AWARD
WINNERS

**Defense
ManTech
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Awards**

2019-2024

2024

- Spatial Intelligence with Dynamic Extended Reality (SPIDER)
- Radome Operational Performance Evaluation (ROPE)
- Advanced Transceiver Optical Module (ATOM)
- Depot Factory AI Robotics (DFAIR)
- Modernization and Readiness Analysis of Joint Food Management System (JFMS)

2023

- Automation of Fiber Amplifier Test Beds CH-53K Flexbeam Automation
- Lightweight Hydrogen Fuel Cells for Unmanned Aerial Systems
Advanced Automation for Agile Aerospace Applications
- Powerful Lightweight Lead Polymer Bipolar Batteries for Military Vehicles

2022

- Digital Data-Next Gen Measurement/Locating Tools AF CLASP
- GaN MMIC Production Initiative
- Virtual Part Repair Programming for Robotic Thermal Spray
Apps MgO Binder Replacement for Thermal Batteries
- Precursor Foamable Celluloid Materials

2021

- Production BOM QA Using Artificial Intelligence
- VIRGINIA Class Submarine Alternative Coating and Surface Preparation Solutions for Air-System Ball Valves
- Polymer Gradient Index Lenses for Military Optics Advanced Radome Diagnostic System (ARDS)
- Advanced Laser Diode Supply Chain Improvement During COVID

2020

- Development of Large Diameter Silicon Carbide Substrates
- Agile Manufacturing Cell with High Energy Buried Arc Welding for Vehicle Structures
- Novel Ultra-Strong Low Cost Film Manufacturing Technology for Superior Warfighter Protection
- Hatchable Cold Spray Technology for Naval Shipyards and Marine Corps Depots
- Integrated Casting Ordering Network (ICON) Portal Enhancement and Supply Chain Development

2019

- 12 μm Pixel High Definition Uncooled LWIR 2019 Maturation of Adv. Mfg. of Low Cost Sustainment High Performance, Low Variability AM Parts
- III-V Dual Band Infrared FPAs
- DLA Nuclear Enterprise Support Office NSNs



