



Navy Manufacturing Technology (ManTech)

AT A GLANCE

WHAT IS IT?

Navy ManTech is an industrial preparedness program focused on manufacturing improvements for key naval platforms.



HOW DOES IT WORK?

Navy ManTech works closely with the Program Executive Offices, Program Offices, key industry partners of the acquisition platforms, and the Navy ManTech Centers of Excellence to identify manufacturing challenges, develop advanced manufacturing technology, and transition that technology to the industry partners for implementation.

WHAT WILL IT ACCOMPLISH?

Through the development and transition of advanced manufacturing technology, ManTech delivers affordability, expanded throughput, and enhanced capability – enabling key acquisition platforms to expand production at scale throughout the life-cycle. Ancillary impacts include supply chain enhancement, productivity improvements, span time reduction, operational availability, and delivery speed.

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Navy ManTech funds projects and develops enabling manufacturing technology, such as new processes and equipment, for DoD weapon system production lines that deliver the highest impact manufacturing technology to benefit the fleet when implemented.

Focused on affordability, expanded throughput, and enhanced capability, Navy ManTech supports industry's ability to expand production at scale throughout a weapon system's life-cycle. Ancillary impacts include supply chain enhancement, productivity improvements, span time reduction, and operational availability. ManTech is focused on manufacturing improvements for key acquisition platforms: VIRGINIA Class submarine (VCS), COLUMBIA Class submarine (CLB), CVN 78 Class aircraft carrier, DDG 51 Class destroyer, and F-35 Lightning II aircraft, as well as PEO Integrated Warfare Systems (IWS) weapon systems for the ship classes.

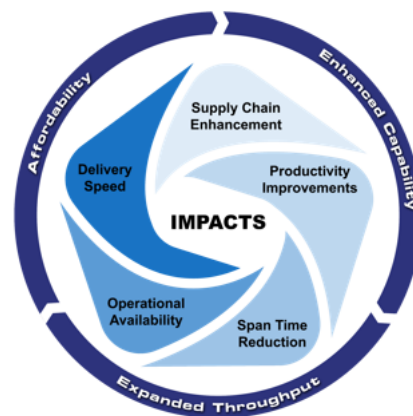
Primary Platforms

Partner with PEOs, Program Offices, and industry for **successful transition and implementation**



Impacts

Deliver **affordability, expanded throughput, and enhanced capability** to improve the Navy's industrial base



Navy ManTech helps these programs achieve their respective manufacturing goals by transitioning needed manufacturing technology which, when implemented, improves the industrial base.

The VCS affordability initiative has been a major success for both Navy ManTech and the VCS Program Office. General Dynamics Electric Boat's (GDEB's) recent implementation analysis shows that 72 affordability projects have completed and have either been implemented or were in some phase of implementation. Together these projects total \$48.0M per hull of recognized cost reduction by the Program Office and GDEB. With two submarines procured every year, the annual recognized VCS cost reduction is greater than the annual ManTech budget.

Challenges and Opportunities:

- Optimize manufacturing technologies for the weapon system life-cycle
- Implement advanced manufacturing technologies on the factory floor by industry partners that provide affordability, expanded throughput, and enhanced capability for key naval platforms