

2024 Technology Investment Plan

SPT/Electrical Technologies Panel Overview

Ship Production Technologies (SPT)

- Definition (SIP 7.2.1)
 - The Ship Production Technologies (SPT) Major Initiative addresses the fabrication, assembly, and testing phases of ship production, and the disassembly, repair/conversion, reassembly and testing phases of maintenance and modernization activities.
- The Electrical Technologies Panel falls under the SPT Major Initiative
 - Electrical Technologies Panel
 - Research, develop and implement technologies and processes focused on improvements to installation, testing and operation of shipboard electrical systems

SPT Sub-Initiatives (SIP 7.2.2)

1. Improve Manufacturing Processes, Planning and Facilities for construction, fabrication and assembly
2. Improve Manufacturing Processes, Planning and Facilities for outfitting, installation and testing
3. Improve shipyards sub-tier supplier performance with respect to quality, cost and schedule
4. Increase use of Automation, Robotics and Mechanization in product fabrication, processes and testing including enablers such as standardization of design
5. Increase knowledge and proficiency of overall workforce
6. Develop and qualify emerging technologies
7. Develop and implement digital shipbuilding tools for improved construction and sustainment activities
8. Investigate consolidation of standards, and improvements to Standardization, Commonalities and Modularity
9. Improve quality, level of detail, and automation of job planning and work instructions
10. Incorporate additive manufacturing (AM) into shipbuilding and repair
11. Develop solutions to improve installation, maintenance and efficiency of shipboard networks
12. Develop warehousing scheduling and logistics improvements to facilitate equipment deliver

Questions?

