

State of the Panel

Workforce & Compliance Panel

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Workforce & Compliance Panel

Panel's Purpose

- Improve workforce development and recruitment ecosystem
- Maximize training efficiency and effectiveness
- Develop technologies to solve workforce challenges, environmental challenges, and safety challenges
- Research, develop and sustain current and emerging environmental and health and safety issues
- Promote and improve health, safety and wellness
- Improve environmental stewardship of industry communities

Panel's Purpose

1. Attract, retain and continually develop a competent and motivated workforce
2. Improve the effectiveness and reduce the training time for knowledge capture and dissemination training
3. Eliminate workplace injuries and improve workforce well-being
4. Develop new and leverage existing technologies to enhance health, safety, and environmental factors and/or reduce costs associated with compliance

Why:

- Aging workforce
- Lack of available technically skilled workers
- Lack of defined skill sets
- Increased competition among industry sectors
- Missed opportunities to leverage existing external educational infrastructure and resources
- Unaligned efforts and a need to accomplish our mission more efficiently
- Importance of focus on health and safety
- Environmental rules and regulations and changing requirements

Benefit to the Navy

- Opportunity to improve collaboration and
 - Prevent future costs
 - Reduce schedule risks
 - Improve workmanship quality
 - Reduce liability risks
 - Improve environmental capabilities
- Implementation – Workforce and Compliance is key to successful operations
- Nearly every W&C project leads to at least one shipyard implementation
 - Training program/class
 - Resources to improve recruiting or training processes
 - Technology and analyses to improve health and safety, comply with environmental standard
- Huge ROI Potential
 - Implementation leads to 8-hour reduction in training for 50,000 workers = ~\$20 mil overhead savings
 - Implementation leads to 40-hour reduction in training for 50,000 workers = ~\$100 mil overhead savings
 - Environmental and Safety cost avoidance

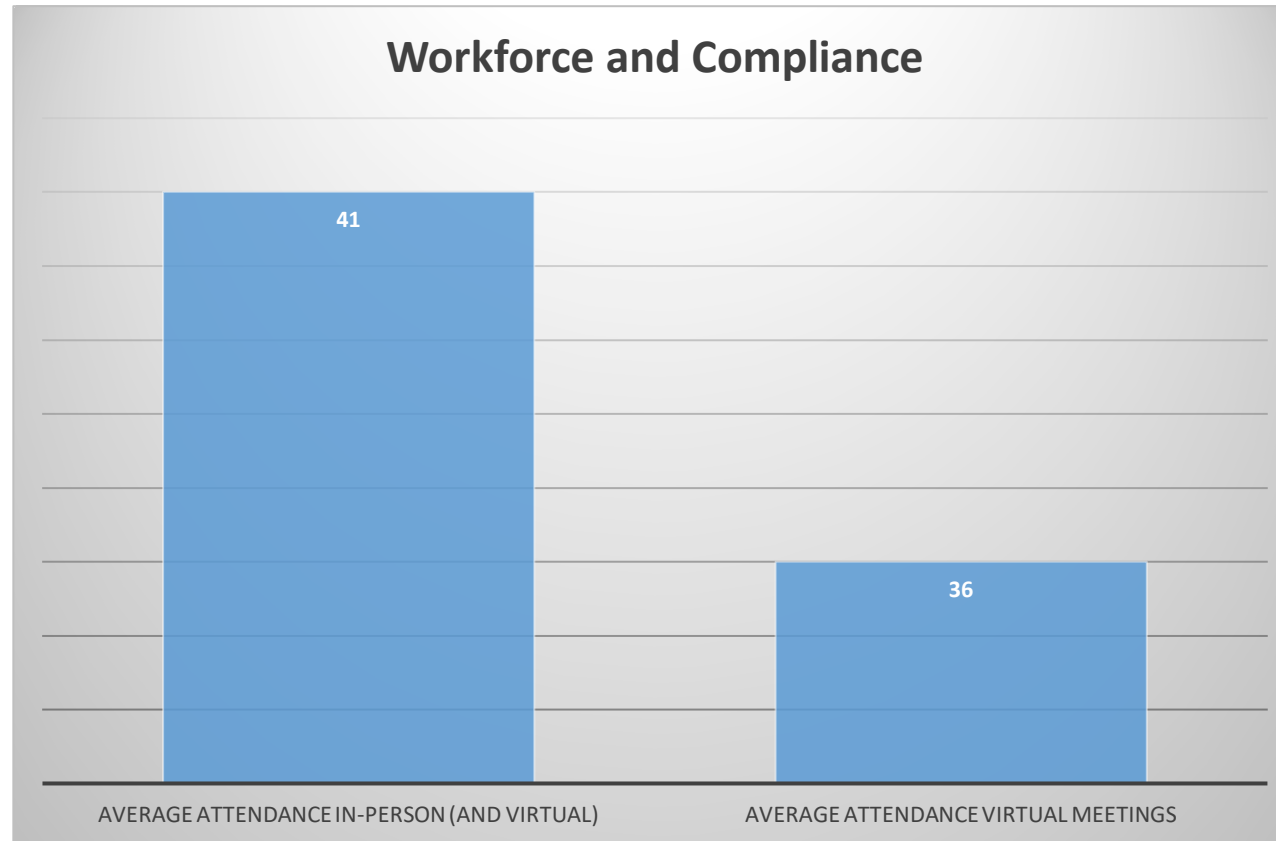
Assistance to the state of the shipbuilding and ship repair industry

- Improving shipbuilding's workforce development ecosystem
- Maximizing training efficiency and effectiveness
- R&D technologies and best practices to improve health and safety and environmental compliance
- Synergy and collaboration around a shared vision
- Ideas are actioned and resourced
- Enhanced and improved recruiting, retention, and training

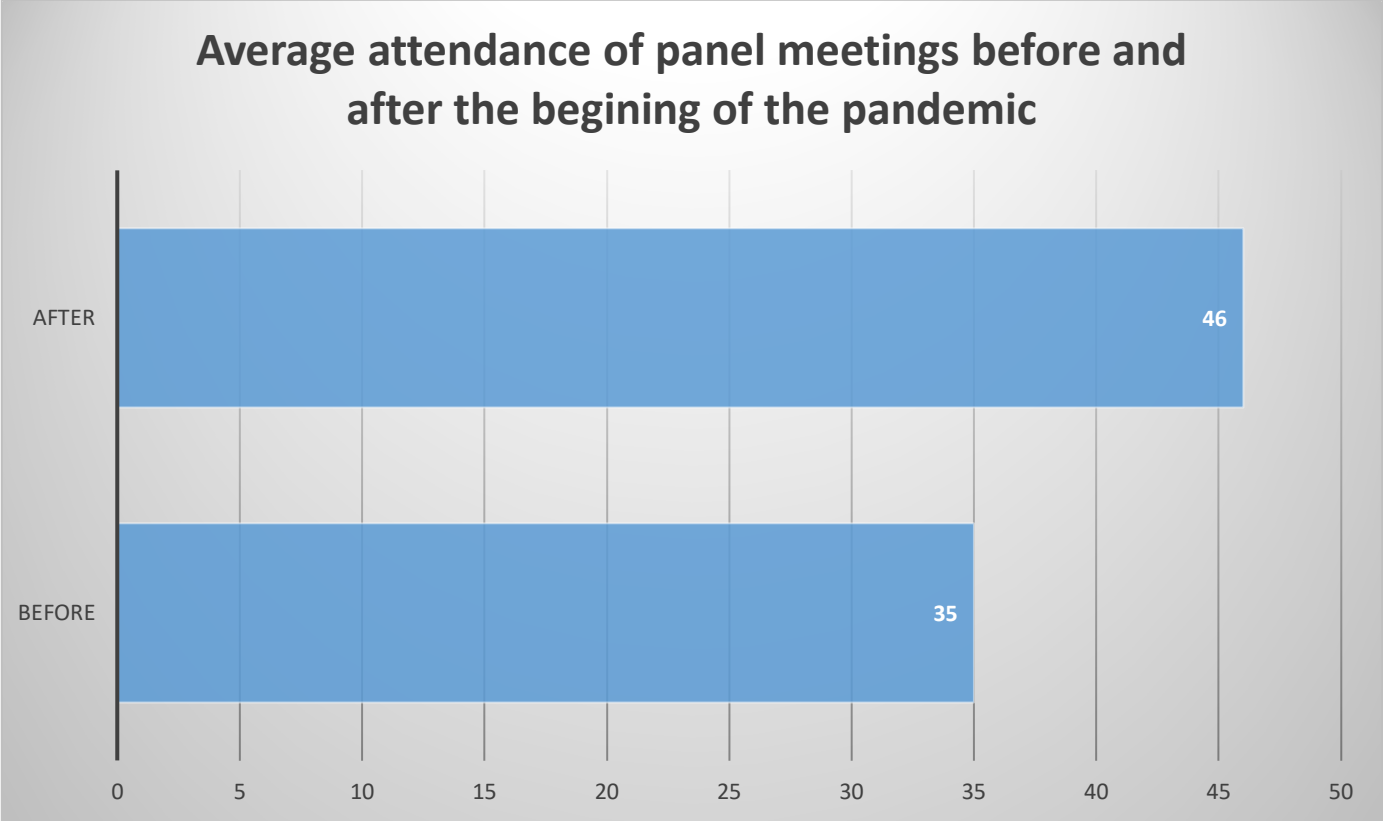
Past and Current Projects

- Shipbuilding Apprenticeship: A Qualitative Analysis
- Feasibility of Standardized OSHA Maritime Management Safety Training
- High Productivity Reduced Emissions Arc Gouging Process
- Modern Shipbuilding Design Courses 3
- Implementation of Press Connect Fittings in Construction of US Navy Ships
- Past Project highlights
 - Women in Welding
 - Advanced Knowledge Provisioning Using Artificial Intelligence and Augmented Reality for Ship Repair
 - On-Board Ship 3D Environment
 - Build Your Future

Workforce & Compliance Panel Meeting Attendance



Overall Panel Meeting Attendance



Questions?

