Edison Welding Institute

Accelerating & De-Risking Adv Manufacturing for Shipbuilding Productivity

We Manufacture Innovation

PROBLEM STATEMENT

- "Speed to fleet" is the priority
- Shipbuilders must deliver more vessels faster, but current production constraints in labor, throughput, and supply chain limit capacity

BENEFITS

- Fewer labor hours, less rework, and lower cost
- Accelerated production schedules
- Improved quality and consistency
- Shorter lead times and less supply chain dependence
- Expanded workforce capacity and improved safety
- Longer service life and faster return to fleet

EWI's TECHNOLOGY SOLUTIONS

Additive manufacturing: Wire-arc DED for large, near-net-shape components
Tele-manufacturing™: Remote, expert-guided welding/fabrication to extend skilled labor
Laser processes: Welding, cladding, and cutting for speed and lower distortion
Corrosion engineering: Materials, coatings, and repair solutions that extend service life

