

Engineered and Repair Solutions

For planned or emergent



Specialized solutions, repair and maintenance

WSI's Engineered Services Group specializes in delivering specialized tooling solutions and repairs for the most challenging configurations or first-of-a-kind events, planned or emergent.

- Turnkey Weld Overlay Services (FSWOL/OWOL)
- Pressure Vessel Nozzle Repairs
- PWR Pressurizer Heater Replacement
- Unique or first-of-a-kind Repairs
- CRDM Overlay or Repairs
- Specialty EDM Services
- Component Fabrication
- Full Fidelity Mockup and Crew Training
- Project Management and Planning
- Buried Piping Services
- NDE-UT in lieu of RT Services
- Contingency Repair Planning and Services
- Repair Design, Modeling / ASME Code Engineering

WSI's Repair Services Group delivers repair and maintenance services for general mechanical systems, planned or emergent.

- MSIV Refurbishment / Repairs
- Large Component Replacement
- EPU Support
- Gate / Check Valve Refurbishment
- Valve/Piping Repair or Replacement
- Spent Fuel Canister Services
- Heat Exchanger Section Repair
- Spool Prefabrication Services
- Component Fabrication
- Maintenance Support
- General Outage Support
- FAC Support / Repair Services
- Project Management
- High Deposition Welding Processes (GTAW, GMAW)
- Staff Augmentation

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Benefits of using WSI

WSI is the nuclear industry expert in specialty welding solutions and Weld Overlay mitigation of dissimilar metal welds. With nearly 50 years of nuclear industry experience, WSI provides specialty Engineered Solutions and Repair Solutions services to customers globally on a planned and emergent basis.

- Field resource pool of over 700 nuclear qualified, highly trained, pipefitters and boilermakers to meet demanding outage requirements. WSI uses global labor resources with specialty skills and automatic welding experience to augment local craft resources as necessary.
- Specialized tooling inventory of 250+ automatic welding and mechanical systems capable of meeting challenging repair or access configuration, including remote video capabilities. WSI designs, manufactures, and maintains its own equipment and can respond to equipment modification demands on an emergent basis.
- WSI Nuclear QA Program meets the requirements of 10CFR50, Appendix B and NQA-1, and is a NUPIC-audited nuclear supplier.
- ASME Welding Program with 1000+ qualified welding procedures to meet material and configuration challenges, WSI generates new weld procedures as necessary.
- Extensive expertise in areas of metallurgy, welding processes, repair and tooling design, with a long resume of custom tooling and first-of-a-kind industry repair successes.
- WSI takes pride in being the industry leader in responsiveness for projects that are "Critical to Safety, Critical to Schedule, and Critical to Quality."

