



PRIME ENGINEERING

Engineering Support for Nuclear Component Manufacturers

Your Advanced Nuclear Engineering Department.

Prime Engineering supports nuclear component manufacturers with the design, analysis, and manufacturing documentation required for custom pressure-retaining equipment operating in high-temperature molten salt and liquid metal reactor environments. From design through shipment, we provide ASME-compliant engineering support and manufacturing dispositions to keep production moving forward.

Common Industry Challenges

- Limited in-house nuclear design expertise
- Need for ASME Section III calculations and documentation
- Pursuing or maintaining ASME N-Stamp certification
- Resolving manufacturing defects within ASME code requirements

How Prime Engineering Delivers

- ASME Section III Division 1 & 5 engineering calculations
- Support for N-Stamp demonstration projects
- Manufacturing drawing packages compliant with nuclear code
- Engineering dispositions for manufacturing defects
- Engineering scopes of work for fabrication programs
- Creep-Fatigue Analysis
- Seismic Analysis

Ideal Customers / Applications

- Pressure vessel manufacturers
- Heavy fabrication shops
- Nuclear equipment suppliers
- Manufacturers pursuing ASME N-Stamp certification
- Nuclear piping manufacturers
- Structural manufacturers

Contact Prime Engineering

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