

Robert Smith

Associate Senior Mechanical Engineer

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SUMMARY

Experienced in design, maintenance, inspections and project engineering functions. Skilled in mechanical areas such as piping, rotating equipment, pressure vessels, metallurgy, welding, corrosion, vibration and pressure relief devices. Knowledgeable in ASME, NBIC, API and TEMA. Effective in communication and interpersonal skills, takes a proactive approach.

SKILLS

Project Engineering, Mechanical Engineering, Manufacturing, Pressure Vessels And Piping, ASME Boiler & Pressure Vessel Code, Power Generation, Paper Mills, Boilers, Root Cause Analysis, Design For Manufacturing, Continuous Improvement, Stress Analysis, FEA, AutoCad, MathCad, Technical Specifications.

WORK EXPERIENCE

Associate Senior Mechanical Engineer

ABC Corporation - November 2003 - December 2009

- Served as Subject Matter Expert for factory floor questions and problems related to boiler drawings.
- Reduced factory down time by addressing each issue quickly prioritizing in order of importance.
- Wrote dispositions for non-conforming boiler parts averaging 75 annually that included repair procedures outlining the most economical approach and investigating preventative actions.
- Provided technical support and guidance to newly formed inexperienced Engineering and Design Graphics Group.
- Performed functional review and final review and approval of drawings.
- Ensured customer specifications, company engineering standards and ASME Code requirements were incorporated into boiler drawings.
- Prevented an estimated \$200,000 of costly mistakes and field rework as a result of careful attention to details in the boiler drawing reviews.

Senior Mechanical Engineer

ABC Corporation - 1998 - 2003

- Added Responsibilities) Oversee the analysis workflow for all industrial applications by communicating with customers and managing a team of analyst/engineers to complete projects.
- Conducted educational presentations.
- Globally travel to conferences and events.
- Calculate pressure flow and stress load through pipe systems.
- 2000+ hours Finite Element Analysis of solid structures.
- Recruited potential engineering candidates.
- Trained and developed technical personnel in analysis theory and company procedures.

EDUCATION

Bachelor in Mechanical Engineering - (Gannon University - Erie, PA)