

DIRECTOR OF ENGINEERING

Summary

Manager/Director - Engineering/Research & Development/Product Development/Design - Versatile and highly competent mechanical engineering professional offering over 10 years experience of product design & development in the manufacturing industry with demonstrated success in on-site technical support, installation & maintenance and systems troubleshooting & testing.

- Expertise in project management techniques, implementing engineering changes and performing testing & design changes.
- Track record of handling welding, fabrication, material handling and material processing procedures along with managing project budgets.
- Possesses technical & engineering skills with the ability to analyze issues, devise continuous process improvements, incorporate initiatives to increase efficiency, streamline operations & decrease overall expenses with minimal resources.
- Successfully built the production department from a staff of zero to 20 in approximately 5 weeks and completed a project 20 days early and 15% under budget at Amer Industrial Technologies
- Efficiently managed engineering of \$30MM+ nuclear safety related project including 10 large stainless steel process tanks at Amer Industrial Technologies
- Brought three new products to market through design changes & manufacturing efficiencies and helped reduce manufacturing cost for two of the products by over 30% at Roberts Filter Group
- Areas of Expertise:

Project Engineering & Production Product Design & Product

Development Testing

Knowledgeable in Welding & Fabrication, Material Handling &

Processing Procedures, Project Management & Direction,

Internal & External Quality Audits, Instrumentation &

Control, and Project Budgets Multitasking in fast-paced

environments

- Highly Organized and Strong Analytical Abilities
- Articulate Oral and Written Communication
- Quick Problem Resolution & Decision Making
- Client Relationship Management
- Continuous Process Improvement and Innovation
- Team Building, Training and Development

Experience

Director of Engineering

January 2013 to Current Company Name i¼ City , State

- Roberts Filter Group is a designer/manufacturer of equipment for municipal water filtration and has approximately 100 employees.
- The company has been in business for 125 years.
- Responsible for running the engineering department including project engineering, instrumentation & control and product development; overseeing work assignments, attending management meetings, project meetings, product development testing, preparing & reviewing drawings, meeting with clients at job sites and calling customers or vendors.
- Major Contributions Brought three new products to market through design changes and manufacturing efficiencies, also helped reduce manufacturing cost for two of the products by over 30%; oversaw installation of two of them and performed field engineering service and troubleshooting Directed a cross-functional engineering department with a staff ranging from 10-20 employees Efficiently oversaw successful delivery of projects totaling over \$35MM Strategically planned short and long-term projects for engineering department Managed project budgets to ensure profitable delivery.

Project Engineer/Engineering Manager/Production Director

January 2009 to January 2013 Company Name i¼ City , State

- Amer Industrial Technologies was a custom manufacturer of code tanks and equipment for nuclear and non-nuclear power plants, NASA etc. and had about 30 employees.
- Responsible for development of welding (including GTAW, GMAW, FCAW, SAW, and SMAW processes), fabrication, material handling and material processing procedures as well as development of design, document control and general engineering procedures.
- Managed project budgets to ensure profitable delivery.
- Ensured utilization and adherence of proper procedures and planned the fabrication processes and resources to be used on a daily basis.
- Qualified and Certified Lead Auditor.
- Major Contributions Built the production depart from from a staff of zero to 20 in about 5 weeks Completed a nuclear safety-related project 20 days early and 15% under budget Provided quotations on quick turn-around projects and maintained production schedules and budgets Effectively oversaw successful early delivery of nuclear and non-nuclear projects totaling over \$15MM Directed workflow,

supervised & trained engineering & production department personnel with a staff ranging from 10-20 employees; also developed estimates for jobs the company was bidding Created long-term fabrication schedules including resource loading (both personnel and equipment) to meet customer expectations Strategically planned short and long-term projects for production department and engineering department Proactively led development of a Commercial Grade Dedication program in accordance with 10CFR50 Appendix B, ASME NQA-1:2008 (2009 Add.), ASME Section III NCA-3800/4000 Conducted internal quality audits and external vendor quality audits for evaluating vendors for placement on Qualified Suppliers List.

- Project Manager on a large fabrication project including 10 large diameter stainless steel process vessels (project value exceeded \$30MM).
- Supervised designers and other engineers as well as managed a staff of 6-10 employees.
- Responsible for maintaining the project schedule, purchasing materials, services and equipment, creating workflow documents including job travelers and weld maps and preparing code calculations.
- Major Contributions Developed new standardized drawing and design calculation procedures streamlining the preparation and approval process: Reduced the time required by approximately 30%; reduced the fabrication inefficiencies by streamlining schedules & workflow documentation saving approximately 10% of the overall project budget Directed workflow, supervised and trained engineering and drafting department personnel Managed engineering of \$30MM+ nuclear safety related project including 10 large stainless steel process tanks Provided technical oversight for fabrication activities Efficiently reorganized Nuclear and Commercial Quality Programs to exceed current requirements.

Co-Founder

January 2008 to January 2009 Company Name i¼ City , State

Balance of Plant Engineer

January 2007 to April 2008 Company Name i¼ City , State

Corporate Thermal Performance Engineer

June 2005 to January 2007 Company Name i¼ City , State

Fellow

July 2006 to September 2006 Company Name i¼ City , State

- Chosen as 1 of 2 Exelon Nuclear employees and 1 of 5 Americans to attend the World Nuclear University

Intern

June 2002 to August 2002 Company Name i¼ City , State

Education

MS : Mechanical Engineering , 2005 Tulane University i¼ City , State

Mechanical Engineering

BS : Mechanical Engineering , 2003 Tulane University i¼ City , State

Mechanical Engineering L'Institut Francais De MÃ©chanique AvancÃ©e (IFMA) i¼ City , France

Semester Abroad Program - Design of Heavy Truck Tires at Michelin Tires

Affiliations

- Engineering Intern Certification (Louisiana)
- Pursuing Professional Engineering License

Skills

Academic, ANSYS, Autocad, budgets, budget, C Programming, CAD, clients, delivery, product development, documentation, drafting, functional, drawing, Macintosh, market, materials, Math, MATLAB, meetings, Excel, MS Office, PowerPoint, 2000, Windows 95, 98, Word, Operating System, personnel, 35MM, Pro-Engineer, processes, purchasing, Quality, quick, safety, SolidWorks, troubleshooting, Unigraphics, Vista, welding, workflow

Additional Information

- Academic Memberships Student Member of the Tulane University Dean's Advisory Board Outstanding Teaching Assistant, Department of Mechanical Engineering; 2003-2004 Tau Beta Pi National Engineering Honor Society Pi Tau Sigma National Mechanical Engineering Honor Society American Society of Mechanical Engineers-Treasurer of Tulane Chapter; 2000-2003 Golden Key Honor Society awards 2002 ASHRAE Outstanding Junior Award for excellence in the field of Thermal Studies and Fluids
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