The WRIGHT career!

The Opportunity | Weld Engineer

CW’s Electro-Mechanical Division is searching for a Senior Welding Engineer to be based in Cheswick, PA with a minimum of a Bachelor of Science Degree from an accredited institution. EMD has a long-standing and distinguished reputation for the development, design, manufacture and qualification of critical-function, electromagnetic machine solutions for the U.S. Navy and the commercial nuclear utility industry. Our historic accomplishments as a supplier of critical pumps, generators, motors and secondary propulsion systems make us uniquely qualified to aggressively tackle new projects and develop highly engineered solutions to meet our customers’ needs and transform their businesses.

Location: Cheswick, PA (greater Pittsburgh)

Your Challenges:

- Develop and manage materials joining work plans including schedules, budgets and resource requirements to meet both EMD and project objectives.
- Plan, support and execute procedure and personnel qualifications in accordance with the applicable welding code and contract requirements.
- Identify, evaluate and resolve non-routine welding engineering problems as they relate to nontraditional repair work in an accurate, timely and informed manner.
- Proactively seek and accept responsibility for solving new and difficult welding engineering challenges, while appropriately assessing and managing risks.
- Effectively communicate technical concepts across all levels of EMD and customer organizations via both verbal and written communication.
- Provide technical support and directions to a skilled labor force and to Weld Development Lab Technicians in support of materials, joining, testing and evaluation.
- Identify new and/or improved welding processes/techniques for improving EMD applications.
- Work with design and manufacturing engineering to resolve materials joining issues before and during manufacturing and provide technical support to suppliers and customers.
- Provide support in identifying and troubleshooting welding equipment problems.
- Review supplier qualifications and procedures and provide support for audits of suppliers.
- Mentor other engineers in area of expertise and assist with training and evaluation of less senior personnel.
- Develop and demonstrate fundamental project planning skills and understanding of cost and schedule implications.
- Prepare cost estimates, scopes of work and engineering schedules of high fidelity for the individual job function.
- Interact with customers and design engineers to ensure compliance with customer specifications.
- Perform work in accordance with procedures and instructions, CW policies, and safety, environmental, and security rules and guidelines.
Your Expertise:

- B.S. Degree (M.S. preferred) in Welding Engineering, Welding Engineering Technology, Metallurgy, or Materials Science from an accredited institution with a minimum of 15 years of related experience is preferred. Equivalent experience may be considered.
- Extensive knowledge of arc welding processes (FCAW, GMAW, GTAW, SAW, SMAW, and PTAW).
- Knowledge and experience with the following welding codes
  - ASME Section III & IX
  - AWS D1.1, D1.2 & D1.6
  - NAVSEA 250-1500-1
  - NAVSEA 392-0755 (seal welding)
  - NAVSEA 0989-027-8000 (brazing standard)
  - NAVSEA Tech Pub 248/278
- Experience in working with carbon, low, high alloy and stainless steels, nickel and copper based alloys, as well as dissimilar metal welding.
- Prior experience as a welding, materials or manufacturing engineer.
- Effective composition, documentation and communication skills.
- Must be a team player.
- Must be US citizen and be able to obtain and maintain DOD security clearance

Desired Characteristics

- Excellent communication skills (written and verbal)
- Be an innovative thinker and present theories/concepts in a professional manner
- Professionalism and commitment to quality and customer service

Relocation:
Relocation assistance to the Pittsburgh area may be considered

How to Apply:
Please send your resume to Aimee Cheng at aimee.cheng@curtiswright.com

Link to Posting:

Additional Information:
EMD, a business unit of Curtiss-Wright in Cheswick, PA designs, manufactures, tests and provides after-market support for the most advanced, proven and reliable critical function pumps, motors, generators, seals, control rod drive mechanisms and power conditioning electronics available anywhere in the world today. Curtiss-Wright EMD has a long-standing and distinguished reputation for the design, development, manufacture and qualification of critical-function machining solutions for the United States Navy and the commercial nuclear utility industry. http://www.emd.cwfc.com/

Curtiss-Wright invests in the development, recruitment and retention of critical skills as part of its model for business success. We offer a competitive wage, a complete benefit package includes medical, dental, vision and life insurances, 401k retirement, tuition reimbursement, and vacations/holidays.

This position may require exposure to export-controlled information and subject to additional security screening. In the event information provided during the security screening reveals ineligibility to access export-controlled information, any offer of employment may be reconsidered or withdrawn.
Curtiss-Wright values diversity in the workplace. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. If you require accommodation due to a disability at any time during the recruitment and/or assessment process, please contact Talent Acquisition and we will make all reasonable efforts to accommodate your request.