

Mechanical Engineer – Equipment Design & Support

Location: Calgary, AB **Type:** Full-time **Company:** Allied Industrial Dynamics

Allied Industrial Dynamics is an industrial processing solutions company specializing in design, manufacturing, commissioning and refurbishment of centrifuge and other rotating equipment.

We are seeking a self-starting Mechanical Engineer who can spearhead the entire project lifecycle, from design inception through to operational handover. This role is ideal for a hands-on engineer who enjoys solving real mechanical problems.

Key Responsibilities

- Use SolidWorks to design parts and assemblies for centrifuges and other rotating equipment
- Prepare key technical documents such as PFDs, BOMs, P&IDs
- Review customer RFPs and prepare professional technical proposals
- Create/review high-quality engineering fabrication drawings
- Support sales, procurement, manufacturing, and service divisions
- Coordinate product design and troubleshoot with centrifuge technicians, welders, machinists and electricians
- Act as a technical lead on assigned projects and delegate tasks when required

Required Qualifications

- Bachelor's degree in Mechanical Engineering
- Registered Professional Engineer (P.Eng.) with APEGA (or eligible for immediate registration)
- Strong proficiency in SolidWorks with proven experience
- Experience creating engineering drawings, P&IDs, and technical documentation

- Experience working in an industrial or manufacturing environment
- Experience with rotating equipment (pumps, compressors, turbines, etc.)
- Ability to manage projects independently from start to finish
- Strong computer skills and ability to learn new software without when required
- Excellent written and verbal communication skills
- Legally eligible to work in Canada; preference given to candidates located in Calgary

Preferred / Assets

- Experience in an OEM manufacturing facility
- Experience with centrifuges or separation equipment
- Personal trades background (welding, machining, mechanical, millwright, etc.)
- Knowledge of API code requirements
- Experience with vibration analysis or condition monitoring

Personal Attributes

- Action-Oriented: Results-driven professional focused on task completion and practical, hands-on mechanical troubleshooting.
- Self-Directed: Able to work with minimal guidance while maintaining high standards for organization and reporting.
- Effective Communicator: Skilled at bridging the gap between technical design and shop-floor execution.

What We Offer

- Broad technical responsibility and learning opportunities through exposure to multiple industries
- Competitive compensation package based on experience



- Full Benefits after 3-month probationary period.
 - o Extended health 100% basic, 50% major dental coverage
 - o Employee assistance program
 - o Dependents
 - o Short term, and long-term disability
 - o Critical illness and life insurance

Job Types: Full-time, Permanent

Pay: \$95,000.00-\$115,000.00 per year

Benefits:

- Casual dress
- Company events
- Dental care
- Extended health care
- On-site parking
- Paid time off
- Tuition reimbursement
- Vision care

Work Location: In person