

## **Mechanical Process Engineer, Intermediate**

**Mississauga, ON**

Lakeside Process Controls Ltd. ('Lakeside') is recognized as a market leader, providing complete automation solutions to a wide range of industries. Our capabilities in process management and industrial automation enable us to solve our customers' process automation challenges, keeping their operations running safer.

Our solutions range from devices that measure and relay diverse physical and chemical conditions, devices that control flow of materials, networks that transmit event-related information, to process control systems that collect information and trigger necessary actions to ensure continued operations.

Lakeside's success is due to its exceptional people. Our skills and passion for our work is the key to our strong business results. Our commitment to a culture of integrity, teamwork and collaboration is what drives our continued and sustainable growth.

We seek individuals who are engaged, capable and committed to continuous improvement.

If this sounds like you, apply today and discover your potential with Lakeside!

To apply, please visit our website [here](#)!

### **What you will be doing in the role of Mechanical Process Engineer, Intermediate:**

**Your responsibilities may include, but are not limited to:**

#### **Engineering Design & Technical Delivery**

- Collaborate with Application Engineers on sizing/selection of valves, pressure regulators, flowmeters, and packaged equipment; provide technical approvals for procurement.
- Develop and refine mechanical/process design deliverables including PFDs, P&IDs, equipment datasheets, and supporting technical documentation.
- Produce and review piping drawings/models (3D layout, isometrics) and contribute to piping standards/specifications (including piping material specifications where applicable).
- Ensure quality and timely delivery of design deliverables that meet requirements and customer expectations.
- Independently lead small-scope engineering assignments, including customer communication, scheduling, and budgeting.

**Fabrication, Quality, and Shop/Field Support**

- Support technicians during fabrication, commissioning, troubleshooting, and site activities; resolve technical issues quickly and practically.
- Review welding documentation (WPS/PQR), NDE requirements, and test packages; support compliance with applicable ASME and project requirements.
- Participate in shop inspections / manufacturing surveillance; collaborate with vendors on corrective actions and technical clarifications.
- Lead internal and external factory acceptance testing (FAT) and develop test protocols; support site acceptance testing (SAT) as required.

**Vendor, Subcontractor, and Stakeholder Coordination**

- Develop and maintain relationships with equipment suppliers, engineering consultants, and regulatory authorities.
- Evaluate vendor quotations for compliance and provide technical clarifications; support RFQs/RFPs and technical bid evaluations.
- Work cross-functionally with Project Managers and Leads to define scope and technical requirements; coordinate across disciplines when needed.
- Lead customer interactions independently, providing technical expertise and guidance.

**Regulatory & Code Compliance**

- Prepare regulatory applications and submittals (e.g., TSSA Boiler & Pressure Vessels, Fuels Safety), including variance negotiations.
- Apply relevant codes/standards to piping and mechanical equipment design (e.g., ASME B31.1/B31.3 and applicable ASME pressure equipment sections where required).

**Continuous Improvement**

- Contribute to the development and refinement of piping specifications and best practices for fluid services.
- Adhere to Lakeside quality processes and standard operating procedures.

**Knowledge and skills required for the role:**

- Undergraduate degree in Mechanical Engineering.
- P.Eng designation required
- 5+ years of engineering experience with demonstrated technical proficiency in mechanical/process or packaged systems environments.
- Strong experience with ASME B31.1 and/or ASME B31.3 (design, fabrication support, and compliance).

- Knowledge of welding procedures (WPS/PQR) and understanding of welding, examination (NDE), and testing requirements per ASME/project code.
- Demonstrated ability to manage technical deliverables and timelines independently; strong problem-solving and technical documentation skills.
- Strong communication, collaboration, and vendor/client interaction skills.

#### **Assets (Highly Relevant to Success in This Role)**

- Experience with steam generation / utility systems (e.g., boilers, deaerators, condensate/blowdown systems, fuel gas skids/trains, pump skids, water treatment/chemical dosing packages).
- Familiarity with burner management systems (BMS) and combustion control systems (CCS) integration/commissioning support.
- Experience preparing or interpreting PFDs, P&IDs, heat balances, equipment performance data sheets, and technical submissions.
- Manufacturing/fabrication process knowledge (e.g., machining, heat treatment, coatings/painting) and experience with workshop/shop inspections.
- Experience with 3D design software and plant layout tools (e.g., AutoCAD Plant 3D, PDMS, SolidWorks, Navisworks)
- Experience in proposal support / tendering (technical inputs, take-offs, bid packages) and change/claims management is considered an asset.
- Experience in CSA Z662 Oil and Gas Pipeline Systems and/or Natural Gas regulating/letdown station design.
- Broader familiarity with relevant standards such as ASME pressure equipment sections, API, NFPA, CSA, OBC, ANSI/ASTM/ASHRAE (as applicable to projects).

#### **What we give YOU!**

- Flexible working schedules, including **hybrid remote work** programs
- A **competitive compensation** package, with RRSP-matching
- Comprehensive **benefits coverage** (medical, dental, vision, EAP & on-demand virtual health care)
- A culture that promotes healthy **work-life balance** with above-market **paid time off**
- A structured **training and development** program and opportunities for continuous learning
- Opportunity to participate in an award-winning **wellness program!**

#### **Commitment to Diversity**

**Lakeside Process Controls Ltd. is committed to employment equity and welcomes diversity.** We believe strongly in celebrating the different perspectives and experiences that come along with having a diverse network of employees, and encourage applications from all



qualified individuals, including: persons with disabilities, Indigenous persons, women, and members of visible minorities.

*If you require accommodations to complete an application, please contact Human Resources at [human.resources@lakesidecontrols.com](mailto:human.resources@lakesidecontrols.com) and we will work with you to meet your accommodation needs.*

### **How We Review Applications**

AI tools may be used to assist in the screening of applicants for this position. Final hiring decisions are made by our recruitment team.

### **Existing Vacancy**

This posting is for an existing vacancy that our team is actively recruiting for.

### **Job Details**

Pay Type: Salary

Hiring Min Rate: \$100,000

Hiring Max Rate: \$130,000

