

## Instrumentation Technician

At Carbon Engineering Ltd., our vision is to lead the world in the large-scale removal of carbon dioxide from the atmosphere and advance our shift to a sustainable carbon-neutral society. Based in the outdoor recreation hub of Squamish, BC, this role will be a great fit for someone who feels passionately about this vision, and who wants to be a part of a fast-paced culture where contributions are noticed.

### Position Scope

This is a position for an intermediate or senior Instrumentation Technician with experience in oil and gas, water treatment, pulp and paper or industrial plant maintenance. In addition to a solid grounding in instrumentation maintenance, the ideal candidate will have experience in a broad range of skills including pipefitting, welding and/or maintenance program development.

- Reports to the Manager, Maintenance/EH&S.
- Responsible for maintenance and troubleshooting of CE's Pilot Plant instrumentation, control and HMI equipment across all unit operations; from capture, refining and storage of atmospheric CO<sub>2</sub> to production of synthetic crude oil.
- Mentor plant operators and junior engineers in maintenance standards and practices.
- The successful candidate will have the potential to shape this new role dependent on their background and experience; as well as the opportunity to help build CE's maintenance processes, procedures and systems from the ground up.

### Responsibilities

- Carry out preventive and condition-based maintenance of Pilot Plant process equipment including instrumentation, valves, actuators, motors and pumps.
- Maintain and update DCS/PLC and HMI systems.
- Identify, develop, install and implement upgrades on existing instrument equipment.
- Manage instrumentation calibration requirements and testing.
- Monitor equipment and processes and ensure deficiencies and operational issues are reported clearly.
- Utilize knowledge and experience of electromechanical systems to troubleshoot complex issues on a range of pilot equipment.
- Conduct inspection and repair of equipment and determine parts required for repair and replacement.
- Install machinery and equipment according to plans.
- Coordinate maintenance activities to reduce plant downtime.
- Assist with managing a critical parts inventory.
- Arrange 3rd party inspections and certifications of equipment as required.
- Record maintenance activity in line with the plant maintenance schedule.
- Use OEM Operation and Maintenance manuals to collate maintenance requirements and populate the maintenance schedule.
- Assist Manager, Maintenance/EH&S with the development of maintenance systems, procedures, standards and practices and identification of reliability trends.

- Opportunity to assist with design, specification, installation and commissioning of benchtop and pilot equipment dependent on experience.
- Opportunity to assist with fabrication and installation of new process equipment dependent on experience.
- Availability for shift work including evenings and weekends as required.

### **Qualifications**

- Education: Inter-Provincial Red Seal Instrumentation Technician qualification.
- Experience: 5+ years industrial experience following Red Seal qualification, preferably in oil and gas, water treatment, pulp and paper or industrial plant equipment maintenance.
- PLC and/or DCS training (CompactLogix).
- Familiarity with HMI design (FactoryTalk ME, Ignition).
- Pipe fitting or pressure welding experience/qualification desirable.
- Forklift and skid steer operation certificates an asset.
- Experience developing maintenance programs not essential but would be an asset.
- Excellent written and verbal communication skills.

In addition to technical skills, the right fit will:

- Be a self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Thrive on doing things that have not been done before (explorer mindset).
- Strong analytical, technical writing and problem-solving skills.

If this seems like the dream job for you, send your resume to [careers@carbonengineering.com](mailto:careers@carbonengineering.com) and quote "Instrumentation Technician" in the subject line.