



Engineer, Control System (41880)

Location: McArthur River, SK

About Us

McArthur River, located in northern Saskatchewan, is the world's largest high-grade uranium mine. The uranium produced at McArthur River is used for nuclear fuel products, which utilities around the world rely on to generate safe, reliable, emissions-free nuclear power. Cameco is one of the largest global providers of the uranium fuel needed to power a secure energy future.

The Role

Reporting to the chief engineer, maintenance, the successful candidate will be executing and managing OT (operational technology) control systems and industrial processes with a focus on safety, asset reliability, uptime, and real-time operations.

In this role, you will:

- Develop, maintain, optimize, design, and manage the industrial process control system such as PLC, DCS systems, OT networking and cyber security, and communication systems to make the system reliable.
- Maintain and improve the plant's automation systems.
- Program, troubleshoot, and optimize PLC and DCS systems.
- Integrate vendor equipment into the mining process control system.
- Diagnose failures in instrumentation and control systems including board-level troubleshooting where appropriate.
- Coordinate with instrument and control technologists to identify the bottlenecks in instrumentation and control system and improve the system where appropriate.
- Collaborate with corporate IT, OT, and process control teams to develop solutions & implement as required.
- Maintain site standards for instrumentation, control hardware, and electronic components.
- Maintain accurate documentation, configurations, and system practices aligned with reliability and cybersecurity requirements.

- Ensure the industrial process control system is following corporate and regulatory standards.
- Act as the site contact, and subject matter expert for larger design/installation projects related to the industrial process control system being managed by major projects team.
- Assess the Safety Program and implement improvements.
- Facilitate inspections, internal audits and incident investigations.

Required:

- bachelor's degree in electrical engineering, computer engineering or related discipline;
- five to eight years of experience with industrial control systems;
- eligible for registration with the association of professional engineers and geoscientists of Saskatchewan (APEGS);
- strong communication and problem-solving skills;
- experience in the field of industrial control and/or operational technology systems, including PLC, HMI, DCS, networking, communication, and architecture management with good design and troubleshooting abilities;
- experience with industrial instrumentation and industrial data protocols, networking, including configuration of switches, firewalls, and hardware to support industrial communication protocols; and
- work a rotational schedule and commute to site by aircraft.

Recommended:

- familiarity with modern maintenance systems, methodologies, and reliability-focused technologies;
- experience working in an industrial mining or mineral processing environment;
- hands-on experience with Foxboro, Schneider, or comparable industrial control and automation platforms; and
- proficiency with computerized maintenance management systems (CMMS), preference for SAP experience.

Conditions of Employment:

- pre-employment substance test.

Cameco is proud to offer a competitive total reward package which includes:

- competitive compensation program with base and variable pay;

- flexible health, drug, dental, and vision plan with a health spending and personal spending account;
- fixed benefits including employee and dependant life, AD&D, disability benefits and paid vacation leave;
- Employee and Family Assistance Programs;
- RRSP and RPP matching program;
- career development opportunities; and
- relocation costs.

Cameco is an employment equity employer and aims to achieve gender parity, and as such, preference will be given to qualified members of equity groups. We are strengthened by the diverse backgrounds of experiences and encourage applicants with various levels of expertise to apply, as equivalent combination of education and work experience are considered.

This position is eligible for the employee referral bonus.

Req ID #: 41880

Posted: May 21, 2026

Posting end date: June 11, 2026

Salary Range: \$120,000 - \$150,000

Safety Sensitive Site

Preference will be given to Residents of Saskatchewan's North (RSN).

McArthur River operation is located in northern Saskatchewan and operates on a two week on/two week off rotational schedule. Employees commute to the site by aircraft from designated locations in Saskatchewan.

To explore this career opportunity, please visit

<https://career17.sapsf.com/sfcareer/jobreqcareer?jobId=41880&company=Cameco>

