

# Cameco: Reliability Consulting

Cameco Corporation is one of the world's largest producers of uranium and nuclear fuel, with its headquarters in Saskatoon, Saskatchewan.

As a Saskatoon-based company, Peter Lucas Project Management is proud to support Cameco's uranium mine sites in Northern Saskatchewan.

Our services have supported numerous capital and operational initiatives, from planning phases to commissioning.



Peter Lucas provides consulting services and offers coaching and mentorship to the Reliability and Maintenance Engineering teams across Cameco's Northern mining sites.

## **Our primary services included:**

- Developing failure investigation and remediation strategies on:
  - mechanical seals,
  - screw flighting wear,
  - pump packing premature failures,
  - accelerated material wear,
  - bearing failures; and
  - wire ropes.
- Developing and implementing precision installation and maintenance techniques on:
  - motor bearings,
  - multi-stage pumps; and
  - mechanical seals and packing.
- Identifying and developing spare parts inventory lists
- Developing maintenance strategy for:
  - predictive maintenance; and
  - preventative maintenance.
- Reviewing vibration analysis by:
  - assisting with diagnosing likely causes of abnormal vibration spectrums and identifying remedial action; and
  - coaching site reliability technicians on collecting and interpreting vibration spectrums.

These consulting services enable Cameco to build internal capacity for implementing and managing sustainable maintenance practices. Our clients benefit from these services by having identified operational and project risks, developed mitigation strategies, improved confidence, and optimized desired outcome.

**Build your legacy.**



[peterlucas.ca](http://peterlucas.ca)

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