



Services for Real-World Industry Needs

The Saskatchewan Research Council (SRC) is a leading provider of applied research, development and demonstration (RD&D), as well as technology commercialization. SRC leverages its traditional research roots to provide technological services that meet real-world industry needs, from testing to modelling, diagnostics to optimization and monitoring to remediation. Located in Saskatchewan, SRC has worked with the mining industry across Canada and worldwide for over 70 years.

SRC's Mining and Minerals Division, along with its Energy Division, Rare Earth Element Division and Environment and Biotech Division, have several world-class laboratories and pilot facilities, including:

- SRC Geoanalytical Laboratories
- SRC Environmental Analytical Laboratories
- Advanced Microanalysis Centre™
- Minerals Processing Laboratory and Pilot Plant Facilities
- Pipe Flow Technology Centre™
- Rare Earth Processing Facility
- Mechatronics Laboratory
- Centre for the Demonstration of Emissions Reductions (CeDER)

We have experience in a wide range of commodities, including potash, uranium, diamonds, rare earths and lithium, as well as base and precious metals. We also have specialized expertise in slurry hydrotransport, reliability engineering and digital mining techniques.

SRC's Rare Earth Element Division supports a growing rare earth element (REE) industry in Saskatchewan and worldwide with processing and separation technology development and commercialization for both heavy and light REEs.

Our Environment and Biotech Division provides all levels of environmental assessments and has experience in mine closure, including community engagement, data management and acid mine drainage components.





We provide services and solutions across the mining life cycle, from exploration to process design to tailings.



- Geoanalytical **testing** and mineralogical analysis
- Third-party analytical standard and data **verification**
- Development of analytical **procedures**
- Baseline environmental **monitoring**

- **Closure** plan evaluation and design
- **Remediation** activities and risk management
- **Community** engagement

- **Plant** performance diagnostics and optimization
- **Digital mining** (instrumentation and automation) and prototype development
- **Reliability** engineering (wear and fatigue)
- Integrated **Database Management** Service
- Tailings and **clay management** optimization and troubleshooting
- Decentralized energy solutions, including the **Hybrid Energy Container**
- Progressive **remediation** solutions and environmental risk management
- Closure and **community engagement** plans
- **Slurry** pipeline troubleshooting and testing
- New equipment and **technology testing**

- Mineral **department** and beneficiation analysis
- **Minerals processing** testwork and piloting
- Third-party verification of process **technologies**
- **Slurry** transport modelling, design and testing
- **Tailings** and clay management strategies
- Energy assessments, including **renewables**, biofuels and battery storage
- **Acid mine drainage** risk-based mitigation strategies