



Our Competitive Edge

- Saskatchewan companies design and produce world-class advanced manufacturing solutions.
- Exports account for the majority of electronic and digital product sales.
- The sector benefits from a highly trained and skilled workforce educated at our world-class universities and technical schools.
- Technologically advanced equipment to boost productivity in our traditional economic sectors as well as leading-edge technology for emerging sectors like aerospace and defence, small modular reactors nanostructure fabrication and battery technology.

Innovation and Opportunity

This sector is diverse and constantly evolving and is supported by Saskatchewan's innovation ecosystem. Some key examples include:

Monitoring Tools

- Environment monitoring systems
- Collision avoidance systems for mining equipment
- Monitoring and auto-steering systems for the agriculture industry
- Process control and integration systems
- Power and remote monitoring for the resource and communications industries
- Toxic gas monitoring systems for industrial and military applications
- Fire suppression equipment for military vehicles
- Satellite control and monitoring for Radarsat
- Portable military and civilian surveillance systems.
- Forensic image analysis systems.

Instrumentation

- Satellite instrumentation controls
- Ionosondes for upper atmosphere research and monitoring.
- Geographic Information Systems (GIS).
- Multi-gas and chemical agent analyzers and detectors.
- Circuit boards.
- Ballon launch and flight instrumentation.
- Examples include building components and systems for the space shuttle program's Canadarm, and designed, implemented and installed Canadian Space Agency's Radarstat satellite communication system.

Communications Equipment

- Satellite test equipment and terrestrial communications gateways.
- Telephony test gear, Internet head-end equipment for cable systems.
- Routers and bridges for office networks.
- Wireless communications products, Data over Cable, Digital Video and CATV.
- Digital Voice Transmission Systems.
- Electrical and communications cable for power distribution and telecommunications.
- Communication systems for the Canadian Patrol Frigate program.

Advanced Manufacturing

Control Systems

- Supervisory Control and Data Acquisition (SCADA) systems.
- Electronic load cells, weigh-in-motion and toll-road equipment.
- Satellite tracking, Telemetry and Command (TTC) systems.
- Vessel event controls.

Emerging Areas

- Cloud disaster recovery and data storage facilities.
- UAVs manufacturing including control systems and monitoring.
- App design for smartphones.
- 3D printing and additive manufacturing.
- Nanotechnology and isotope manufacturing.
- Autonomous railcar loading solutions
- Electric vehicle technology

The Investment Climate

- Pioneering achievements and world-class capabilities across industries such as telecommunications, aerospace, defence, energy and mining.
- Superior technological and telecommunications infrastructure.
- Programs are available to encourage the development and commercialization of new technologies.
- Provincial investment in education and training.
- Strong supplier base - sophisticated local market for advanced technology equipment.
- Technology incubator Co.Labs will help new business ideas reach the commercialization stage.
- Central North American location and excellent transportation links.
- Research and development infrastructure to support new technology innovation.
- Safe, stable business and regulatory environment.

The Bottom Line

- The corporate income tax rate for manufacturers in Saskatchewan can be as low as 10% through our manufacturing and processing profits tax reduction.
- A 6% investment tax credit for equipment purchased for manufacturing and processing operations in the province.
- 10% refundable provincial income tax credit for scientific research and development expenditures. For

Saskatchewan Canadian-controlled private corporations, the credit is refundable on the first \$1 million of qualifying annual expenditures. In all other cases, it is non-refundable.

- The Saskatchewan Commercial Innovation Incentive offers eligible corporations a reduction of the provincial corporate income tax rate of 6% for a period of 10 years or 15 years depending on where the R&D takes place.
- Saskatchewan Technology Start Up Incentive offers a 45% non-refundable tax credit for individual and corporate equity investments in eligible technology start-up business, capped at a maximum annual benefit of \$140,000 per investor.



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