

Advanced Manufacturing



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 is a key employer of graduates from our universities and technical schools.
- Provides high-tech equipment to boost productivity in our traditional economic sectors as well as leading-edge technology for emerging sectors like aerospace, defence, and nanostructure fabrication.

Innovation and Opportunity

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.

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.



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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.

The Investment Climate

- Pioneering achievements and world-class capabilities in information and technologies, telecommunications and advanced technologies.
- 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.

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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