

# Electronics and Instrumentation



Saskatchewan companies design and produce advanced manufacturing solutions and leading-edge technology for traditional and emerging economic sectors.

## Our Competitive Edge

- Saskatchewan companies design and produce world class advanced manufacturing solutions
- Exports account for the majority of electronic 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

- Environmental 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
- Balloon 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 Radarsat 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 System
- Electrical and communications cable for power distribution and telecommunications
- Communication systems for the Canadian Patrol Frigate program

## 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
- UAV's control systems and monitoring
- App design for smartphones

## The Investment Climate

- Pioneering achievements and world-class abilities in information 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

Central North American location and excellent transportation links

## The Bottom Line

- The Corporate Income Tax rate for manufacturers in Saskatchewan can be as low as 10% through manufacturing and processing profits tax reduction
- Manufacturing and Processing Exporter Tax Incentives provide non-refundable tax credits to eligible exporting companies that increase their number of employees. If eligible, the company will receive a \$3,000 tax credit for each production level job created or a \$10,000 tax credit for each head office job created.
- A 6% Investment Tax Credit is available for equipment purchased for manufacturing and processing operations in the province.
- Saskatchewan offers a 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 to 6% for a period of 10 years or 15 years depending on where the research and development takes place.

## For more information, contact:

### Mr. Scott Summach

Deputy Director, Investment

Saskatchewan Ministry of Trade and Export Development

219 Robin Crescent

Saskatoon, SK S7L 6M8

Phone: (306) 933-7207

Fax: (306) 933-8244

Email: [scott.summach@gov.sk.ca](mailto:scott.summach@gov.sk.ca)