



The SMARTS Program

SELKIRK SME APPLIED RESEARCH AND TECHNOLOGY SOLUTIONS

The SMARTS program connects businesses with research expertise in the fields of geospatial technology and digital fabrication.

Today's competitive economy is led by companies that innovate and embrace technology. Many firms recognize the importance of research and development, but don't have the capacity or expertise they need to make their ideas happen. As a hub of innovation and learning, Selkirk College can offer applied research support to help businesses develop new and improved products and services.

Our SMARTS program targets businesses that are small- to medium-sized (less than 500 employees), growth-oriented, and eager to bring innovative products or services to market.

The program runs until March 2019 and is supported by the National Research Council of Canada Industrial Research Assistance Program (NRC IRAP). As a result of this support, financial assistance may be available to cover a portion of research costs associated with approved projects.

WANT TO LEARN MORE?

Get in touch to discuss your project ideas and funding needs, visit selkirk.ca/research/smarts

SAMPLE R&D SERVICES

GEOSPATIAL TECHNOLOGIES

WEB MAPPING

- Developing custom mapping platforms for data sharing and communications

3D VISUALIZATIONS

- Generating static and dynamic visualisations of 3D geospatial data
- Developing augmented reality and virtual reality applications

REMOTE SENSING

- Collecting data via UAV
- Testing sensors
- Analysing remotely sensed data from UAV or satellite
- Developing workflows and algorithms

SPATIAL MODELING

- Modeling landscape impacts of environmental change

APP DEVELOPMENT AND CUSTOMIZATION

- Building customized mobile tools for geospatial data collection and sharing
- Researching and testing technology options

DIGITAL FABRICATION

RAPID PROTOTYPING

- Producing prototypes
- Researching and testing prototype designs and materials

3D MODELING

- Scanning 3D objects for reproduction
- Generating 3D models for analysis and production

ADVANCED MANUFACTURING PROCESS OPTIMIZATION

- Building custom digital fabrication equipment
- Improving productivity with new workflows and equipment configurations

SMARTS LEAD RESEARCHERS



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