

Centre for Sensors and System Integration (CSSI)

Northern Alberta Institute of Technology (NAIT)

📍 Edmonton, AB



CENTRE FOR SENSORS
AND SYSTEM INTEGRATION

ABOUT CSSI

NAIT's Centre for Sensors and System Integration (CSSI) is a Technology Access Centre (TAC) staffed with professional researchers to support businesses on applied research and development projects that deliver a new product, an improved service, or a more efficient process.

Businesses across all major Alberta industry sectors have identified digital transformation as being the critical next step in their operational evolution. CSSI helps address parts of these digitization challenges through prototyping activities in preparation for later commercialization, which in turn enhance a company's productivity, competitiveness, and innovation.

We may be automating a manual process, trialing the use of existing technology in an innovative way, sourcing an idea from another industry and developing a tool to meet the application, or designing and building something brand new.



Contact CSSI

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🗣 **Services offered in:** English and French

✅ **Request Interactive Visit:** <http://interactivevisits.ca>

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RESEARCH AND INNOVATION EXPERTISE

EXPERTISE

- 1. Sensor Development
- 2. Prototyping, Fabrication, and Installation Services
- 3. Embedded System Design
- 4. Concept or Process Validation
- 5. Technology Workflow Consultation
- 6. Project Management
- 7. Business Mentorship
- 8. Early-stage business development
- 9. Non-destructive inspection (NDI)
- 10. System Performance Monitoring
- 11. Test and Characterization
- 12. Sample Analysis and Testing
- 13. Literature reviews
- 14. Field trials / Simulations
- 15. Technology Evaluation / Validation

