



CENTRE FOR OIL SANDS SUSTAINABILITY

As a leading polytechnic, NAIT partners with industry in all that it does. Our new Productivity and Innovation Centre (PIC) is the place where industry comes for solutions and to succeed. PIC will help partners develop applied research solutions for industry challenges, adopt new technologies, develop and test new products, provide workforce training for productivity and improve business practices.

OVERVIEW

NAIT's Centre for Oil Sands Sustainability was founded through a \$1.5 million endowment from Leducor Group, matched by NAIT, which led to NAIT's first applied research initiative and established the Leducor Applied Research Chair in Oil Sands Sustainability. With additional funding from key industry partners like Suncor Energy, as well as federal and provincial funding, the Centre for Oil Sands Sustainability carries out applied research, pilot testing and technology development designed to meet the needs of Alberta's oil sands industry.

WHAT WE DO

The Centre for Oil Sands Sustainability bridges the gap between existing oil sands environmental research and relevant solutions, taking innovative ideas from bench to scale-up. We work with business and industry to develop technologies that improve the economic and environmental performance of the oil sands industry.

We also work with businesses and innovators to validate near-market-ready technologies that relate to challenges and opportunities in the oil sands industry.

REASONS TO CHOOSE NAIT AS YOUR APPLIED RESEARCH PARTNER:

- **OBJECTIVE THIRD PARTY:** As an objective third party, we offer novel techniques and capabilities to standardize your approach to testing or validating new technology solutions.
- **SOLVE PROBLEMS:** By validating, testing and improving your technology, we can help you resolve your organization's challenges.
- **PEACE OF MIND:** Our rigorous evaluation of technology solutions and high level of quality assurance provides your organization with peace of mind.
- **COMMERCIAL READINESS:** By identifying gaps, refining products and processes, and supporting your team through development, we improve the commercial readiness of your product or technology solution.

OUR EXPERTISE

The Centre for Oil Sands Sustainability is instrumental in linking oil sands operators and business innovators in five areas of focus:

- **Tailings management** - assisting industry in remediating tailings ponds and slowing their growth
- **Water technology** - reducing industry use of freshwater and improving water treatment, management and disposal
- **Emissions** - assisting industry in finding solutions to reduce greenhouse gas emissions
- **Value chain optimization** - helping industry develop value-add products from existing streams

FOR MORE INFORMATION:

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