



## **SAIT committed to advancing Next-Gen energy with future-ready learning options**

Canada, with Alberta at the forefront, has always been seen as one of the most innovative and ethical energy producers in the world. As global population and economies continue to grow and develop, the world's thirst for reliable, affordable and sustainable energy continues to increase and at an accelerating rate. Alongside this increase in energy demand, it is imperative the industry focus on reducing the carbon intensity of our energy system. This effort requires all forms of energy, including hydrocarbon resources, nuclear and renewables, are used in responsible ways.

Innovations in carbon mitigation technologies for oil and gas production, combined with the province's formidable capability in renewables, including wind, solar, hydrogen, bioenergy and geothermal resources position the province to remain a strong leader in energy and support the global efforts to reduce carbon emissions. This is why SAIT's partnership with industry is key – the future of Alberta's energy sector is being trained within the MacPhail School of Energy, and, as future leaders, they will play a key role in continuing the efforts to decarbonize the global energy system. When oil was first pumped to the surface of Alberta's rolling foothills in 1914, just two years before the founding of SAIT, it put the province on a path to be a leader in Canada's energy industry. Now, two decades into the 21st century, Alberta continues to play a key role in the sector, serving as Canada's largest oil and natural gas producer.

And the MacPhail School of Energy continues to re-energize, leading the curve through diverse programming, new credentials and interdisciplinary programs that take advantage of SAIT's state-of-the-art labs and industry-honed instructors.

When it comes to creating courses and programs addressing issues of sustainability and energy conservation, SAIT was at the forefront with environmental and green building technologies, and the inaugural Integrated Water Management Diploma, launched in 2019. MacPhail School of Energy puts emphasis on energy diversification, crucial to a sustainable future.

"The world's demand for reliable, affordable, and sustainable energy is growing at an increasing rate as population and global prosperity rise. Today, the combined impact of new technologies are fueling industry transformation across the entire business cycle, from sourcing and production to carbon mitigation and distribution," says Dale Hansen, Dean, MacPhail School of Energy. "That's why it is so vital to attract and develop top talent with relevant, future-ready skills to advance next generation energy solutions."

### **Empowering future-ready energy**

SAIT is committed to advancing next-generation energy with future-ready learning options for all career stages. In support of this demand, SAIT's [School for Advanced Digital Technology](#) (SADT) also creates a strong talent funnel, in alignment with industry needs. Thanks to the transformational donation from philanthropist David Bisset that sparked SADT, SAIT's ability to grow and advance has been expedited and launches a number of new programs annually.

Working with industry to create programs means students get hands-on, future-ready skills to prepare them for the realities of the workforce — as soon as they graduate. SAIT also offers mid-career training and post-diploma certificates for those looking to build on their experiences and transition into a tech career. And through its [Continuing Education and Professional Studies](#), SAIT is also a leader in institutional capacity building and workforce development, enabling organizations to close the skills gap and gain a competitive edge. From its applied education programs to industry partnerships, SAIT is committed to championing change and leading the way towards energy sustainability.

Programs are taught by industry experts, bringing together diverse disciplines to ensure graduates are equipped to create energy systems that optimize and connect all viable forms of energy in smart, responsible ways. This is the most critical work of our time.

Learn more at [sait.ca](http://sait.ca)