



MAP SPONSORS





Western Economic Diversification Canada Diversification de l'économie de l'Ouest Canada

Funding

Grant Funding, Tax Credits & Challenge Prizes

Alberta Economic Development and Trade Tax Credits (AEDT) Capital Investment Tax Credit (CITC) and Investor Tax Credit (AITC).

Alberta Innovates (AI)

 $Works\ with\ the\ private\ \&\ public\ sectors\ to\ stimulate\ innovation, research\ \&\ entrepreneurship\ in\ Alberta.$

Innovators can benefit from funding programs that focus on Advanced Hydrocarbons, Clean Technology and Environmental Innovation. Support for researchers and entrepreneurs through voucher and cross-sectoral programs are available.

Alberta Upstream Petroleum Research Funding (AUPRF)

Industry sponsored research funding to address high priority environmental and social matters related to oil and gas in Alberta.

Energy Efficiency Alberta (EEA)

Alberta government agency dedicated to saving energy, supporting small scale generation, and developing an energy efficiency services industry.

Emissions Reduction Alberta (ERA)

Invests in innovation to reduce greenhouse gas emissions in Alberta.

Impact Canada Challenge Hub

A hub for the federal government's innovation challenges for solutions to economic, environmental, and social problems.

Innovative Solutions Canada (ISC)

Supports growth of Canada's SME innovators by having federal government act as a first customer for specified needs.

Natural Gas Innovation Fund (NGIF)

Non-dilutive funding of cleantech innovation in the natural gas value chain by leading natural gas producers and distributors.

Natural Products Canada (NPC)

Connects and supports a vibrant ecosystem of expertise, resources, and investment that bolsters commercialization in Canada's natural products industry.

Scientific Research and Experimental Development Tax

Incentive Program (SR&ED)

Federal tax incentive program that provides a tax credit for money spent on R&D.

Sustainable Development Technologies Canada (SDTC)

Accelerates the development and deployment of globally competitive clean technology solutions through coaching and funding Canadian entrepreneurs.

Funding for Wages & Interns

Alberta Innovates - Industry Associates Program

Up to \$112 000 per year for up to two years for a highly trained Commercial or R&D Associate to advance an Alberta small or medium size company towards successful commercialization.

Alberta Training to Work Programs

Reimburses up to 25 weeks of workplace training for new hires who were previously unemployed.

Career Launcher - grad internship program

Up to \$15,000 to hire a Canadian post-secondary grad, under 30 years old, for a 6-12 month internship.

GreenSTEM - fellowship

year fellowship for recent grads of STEM master's and PhD programs allowing them to develop technologies with emissions reduction potential.

For graduate students / recent grads. Accelerate: \$15,000 for a 4-month research project internship. Elevate: up to 2-year research fellowships. Globalink: funding for research abroad.

NRC - Industrial Research Assistance Program (NRC - IRAP) R&D and internship funding; 3–6 month or 6–12 month wage subsidy funding for people under

Loans & Investment

Alberta Indian Investment Corporation (AIIC) Provides loan and equity financing to Alberta First Nation entrepreneurs.

Alberta Women Entrepreneurs (AWE) Provides programs and services to women at all stages of business through advising, loans,

mentoring, and skills and network development.

ATB Financial (ATB)

 $Offers financing \ solutions \ and \ access \ to \ experts \ and \ resources \ to \ help \ Alberta \ businesses \ start \ and \ grow.$

Business Development Bank of Canada (BDC)

The bank for entrepreneurs. Offers financing, venture capital, growth $\&\,transition\,capital\,and$ consulting services.

Futurepreneur

Provides low-interest loans, mentoring and expertise for 18-39 year olds to help get their startups off the ground.

Prototyping, Testing & Tech Validation

 $Product \ development \ centre \ for \ advanced \ technology \ provides \ engineers, \ tech \ experts \ and$ $specialized\ equipment.\ Focus\ on\ autonomous\ systems\ for\ infrastructure\ and\ transportation.$

Alberta Innovates - C-FER Technologies

 $Provides full-scale \ testing \ and \ specialized \ engineering \ consulting \ services \ from \ world-class \ facilities$ in Edmonton. Advances safety, environmental performance and efficiency in the energy industry.

Alberta Innovates - Innotech

Operates applied research facilities for government and industry clients across Alberta (e.g. the Alberta Canada Carbon Conversion Test Center, which tests technology using real-life flue gas).

CanmetENERGY - Devon AB Research Centre

Dedicated to the development of cleaner fossil fuels and related environmental technologies with a focus on oil sands and heavy oil.

Carbon Management Canada Research Institutes (CMC-RI)

National research network focused on accelerating R&D, training and commercialization of $technologies \ toward\ zero-carbon\ emissions\ fossil\ energy\ systems.$

COSIA Environmental Technology Assessment Portal (E-TAP)

 ${\it COSIA's on line assessment tool for technologies, practical solutions, and research that can}$ accelerate environmental performance improvement in Canada's oil sands.

COSIA Water Technology Development Centre

A dedicated test facility for new water treatment technologies for the oil sands.

GreenCentre Canada - CONNECT

Ontario based program that provides Canadian SMEs in the bioproducts and clean tech space access to external services to accelerate the development of their products or services.

NAIT Centre for Sensors & System Integration

Helps develop field prototype devices that address sensor-based challenges in resource extraction, agriculture, biomedical, and advanced technology enterprises.

NAIT Distributed Energy Management Initiative (DEMI)

A "plug-and-play" microgrid where energy companies can test and validate technologies under realistic field conditions.

Olds College Centre for Innovation (OCCI)

 $Hub for \, research \, and \, innovation \, in \, the \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, providing \, expertise, \, equipment, \, agricultural \, sector, \, equipment, \, agricultural \, sector, \, equipment, \, equipme$ unique facilities and funding leverage.

Olds College Smart Farm

A place for innovation, validation, demonstration and scaling of smart connected agriculturetechnology through industry partnerships.

SAIT Centre for Energy Research and Clean Unconventional **Technology Solutions**

 $Scientific \ expertise \ and \ lab \ facilities \ for \ testing \ and \ pilot \ demonstrations \ for \ clean \ tech \ energy \ solutions.$

SAIT Green Building Centre

 $Develops \ and \ tests \ environmentally \ friendly \ technologies, \ processes, \ and \ systems \ that \ will$ change the way we design & build, educate and train skilled labour.

Saskatchewan Research Council (SRC) Provides applied research, development and demonstration (RD&D) and technology commercialization.

U of A Centre for Smart Transportation (CST)

Operating within the department of Civil & Environmental Engineering, CST is focused on advancing transportation research and technology development and transfer.

Download the PDF version of the Alberta Clean Tech Ecosystem Map for live links of all listings: actia.ca



The Canadian Trade Commissioner Service

















Growth

Canadian Environmental Technology Advancement Corporation-WEST (CETAC West)

Supports SMEs engaged in the development and commercialization of new environmental technologies.

Accelerators - Space, Mentors, & Collaboration

Creative Destruction Labs-Rockies (CDL)

A seed-stage program at UofC for massively scalable, science-based companies; both general technology and energy-specific.

Energy Innovation to Commercialisation Program (I2CP) Decentralized Energy Canada's accelerator program.

Foresight

Western Canada accelerator for transformative cleantech startups from launch to scale.

 $To ron to-based\ accelerator\ for\ Canadian\ ventures\ in\ the\ clean tech,\ fintech,\ health,\ and\ enterprise\ sectors.$

NAIT - Productivity and Innovation Centre (PIC)

State-of-the-art facility providing advanced manufacturing labs, acceleration spaces for small and medium-sized businesses and a dedicated hub for applied research activity.

Platform Calgary - Telus Incubator & Accelerator Accelerates innovation-driven ventures by providing space, programs, mentorship and capital,

with a focus on big data, digital health, IoT and smart agriculture.

Startup Calgary Calgary-based events and programs for ideation and conception stage entrepreneurs.

Startup Edmonton $Edmonton-based\ mentorship,\ programs,\ coworking\ space,\ community\ events\ and\ support\ for$ entreprenueurs as they build and grow tech-enabled products.

TEC Edmonton Provides mentorship, work and lab space, events, programs and industry-specific accelerators to

 $help\ innovators, entrepreneurs\ and\ researchers\ succeed.$

$Calgary-based\ geomatics\ technology\ innovation\ support\ centre.$

Tundra ACE (Acceleration Centre for Entrepreneurs) Helps Alberta's best and brightest accelerate the commercialization of their near market-ready technologies that solve some of the energy industry's biggest challenges.

UofC - Innovate Calgary

The innovation transfer and business incubator centre for the University of Calgary.

WaterNEXT Helping innovators develop the next generation of Canadian water technologies and solutions.

Zone Startup $A global \ network \ of accelerator \ programs \ transforming \ innovative \ ideas \ and \ products \ into$

world-class companies. Workspace

Edison Building

Develops a solid business community through cultivating connections and providing spaces that spark creativity in downtown Calgary.

Platform Calgary - Alastair Ross Technology Centre (ARTC) Offers more than 120,000-square-feet of office and shared space, making it one of Calgary's largest innovation communities.

Startup Edmonton $Co-working\ space\ for\ entrepreneurs,\ creators,\ designers\ and\ developers\ in\ downtown\ Edmonton.$

Work Nicer Coworking

EMISSIONS

REDUCTION

ALBERTA

Alberta's largest coworking community with outposts in Calgary and Edmonton.













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Connections

Ecosystem Advisors & Hubs

Alberta Innovates - Technology Development Advisors (TDAs) Experienced business advisors based at 8 locations around the province to provide business coaching, connections, and support for Al funding programs.

Clean Growth Hub

One window entry into Federal government help for clean technology projects: find and understand what government programs and services may be right for you.

NRC IRAP Industrial Technology Advisors

Provide advice, connections, and funding to help businesses increase their innovation capacity and take ideas to market.

JWN Energy

Your source for energy news, data, research reports and event information—updated daily.

Networking

Alberta Council of Technologies (ABCTech)

A point of contact and communication for AB's technology leaders developing alliances for emerging industries.

BioAlberta

Promotes Alberta's bio & life sciences industry and the products and services of member companies.

Canada's Oil Sands Innovation Alliance (COSIA)

Accelerating the pace of improvement in environmental performance in Canada's oil sands through collaborative action and innovation.

Canadian Geothermal Energy Association (CANGEA)

Accelerates Canadian exploration & production of geothermal resources.

Clean Resources Innovation Network (CRIN)

Accelerates ground-breaking solutions by establishing industry priorities and connecting innovators and resources.

Decentralized Energy Canada (DEC)

Calgary-based national industry association for the decentralised energy sector.

Environmental Services Association of Alberta (ESAA)

One of Canada's leading environmental industry organizations.

nanoCluster Alberta

Advocates, develops and nurtures a cluster of companies operating in the nano and micro technology fields within Alberta.

Petroleum Technology Alliance of Canada (PTAC)

Facilitates collaborative R&D and technology development, and partners with industry $stake holders\ to\ transform\ challenges\ into\ opportunities.$

Rainforest AB

An informal organization of people working together to improve Alberta's innovation ecosystem.

SHEInnovates Alberta

Networking, mentorship and support for female entrepreneurs; Alberta chapter of UN program.

Technology Alberta

A group of people who share a passion for Alberta and its place as a global leader in the advanced technology sector.

University of Alberta eHub

Offers resources, networking opportunities, and funding.

International Opportunities and Funding

Alberta Innovates Global Partnerships

Support to access funding to develop innovative commercialization projects with a partner in China or Mexico; focus on clean tech.

Calgary Trade Accelerator Program

Offers knowledge, resources and coaching to scale up, develop and execute an export plan. Hosted by Calgary Economic Development.

Canadian International Innovation Program (CIIP)

Supports collaborative industrial research and development projects with high potential for commercialization between Canada and Brazil, China, India, Israel, and South Korea.

Canadian Trade Commissioner Service (TCS)

Federal department that helps companies navigate international markets, and provides funding and support programs for exporters, including access to the global Clean Tech Accelerator

Canadian Technology Accelerator Program

A TCS program that opens opportunities in foreign markets through mentoring, workspace in $for eign \, markets \, and \, introductions \, to \, potential \, partners, \, investors \, and \, customers.$

Export Development Canada (EDC)

 $Works\ with\ Canadian\ companies\ and\ their\ banks\ to\ help\ reduce\ the\ financial\ risks\ associated\ with$ selling goods or services outside of Canada.

German-Canadian Centre for Innovation and Research (GCCIR)

Offers up to \$250,000 for commercialization projects with Canadian + European partners; up to \$3,000 for trade missions and travel.

Prairie Biosciences Canada (PBC)

Collaboration of Biotech Industry associations dedicated to catalyzing the growth of the clean biotech sector in the Prairies through travel and training subsidies.

Online Directories

Innovation Canada Digital Platform

Tailored list of everything that the Federal government can do for your business.

Connectica

Alberta's web portal connecting innovators to funding, programs, services and more. ⊕ connectica.ca/i3/

Research Facility Navigator

Online directory of research facilities in universities, colleges and hospitals across Canada. mavigator.innovation.ca

StartAlberta Portal with information on innovator companies, investors, jobs, news and events.

m startalberta.com

Strategic Timelines

Advice and details on over 100 innovation support programs across Canada, updated annually. $\ \, \oplus \ \, \text{strategictime lines.com}$



group working to support Albertans developing clean technology.

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Venture Capital ARC Financial \oplus arcfinancial.com Arctern Ventures arcternventures.com Ayrshire @ ayrshire.ca Builders builders.vc Chrysalix VC ⊕ chrysalix.com Cycle Capital ⊕ cyclecapital.com Enertech Capital enertechcapital.com Intergen Fund intergencanada.com McRock Capital mcrockcapital.com **Sprout Fund** \oplus sproutfund.ca

Key Events	
January	Global Cleantech Forum (SFO) @ cleantech.com/events/upcoming-events
February	ConvergX (YYC) © convergx2019.wp.guideloom.com/conference-summary
	Propel Energy Tech Forum (YYC) propelenergytech.com
	Globe Forum (YVR)
March	Canadian Financing Forum (YVR) financingforum.com
April	AccelerateAB (YYC) accelerateab.com
June	Inventures (YYC) abertainnovates.ca
	Global Petroleum Show (YYC) global petroleum show.com
	Collision (YYZ) collisionconf.com
July	New York Venture Summit ## youngstartup.com
September	Energy Disruptors (YYC) energydisruptors.com
	WEFTEC (ORD) ⊕ weftec.org
October	ERA Spark (YEG) eg eralberta.ca
	Banff Venture Forum, Banff and Banffventureforum.com
	RemTech, Banff esaa.org
November	Decentralized Energy Forum, Banff decentralisedforum.com

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We welcome comments & corrections to take into account for the next update. Please send to: map@actia.ca.

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HARBOUR



Hydrogen In Motion





























































