

# Alberta Clean Tech Guide

## Resources and Programs

Version 1.0 – May 2017

This guide is a launchpad into the Albertan clean tech ecosystem to assist entrepreneurs in navigating programs and support resources.

It is comprehensive but not exhaustive, and should be considered as a first draft. We want to receive suggestions for improvements – please send them to [jason.switzer@actia.ca](mailto:jason.switzer@actia.ca).

Innovation Stage	Resources							Organization	Program	Description	
	Operational				Info						
	Programming and mentors	Tech development and demo facilities	market/customer access	Project funding	Workforce funding and HQP recruitment	Office space	Events and conferences	Concierges and connectors			
<b>Ecosystem Start-up (Early stage):</b> Basic Research, Applied Research, Development [TRL 1-3]									<a href="#">AccelerateAB</a>		Annual celebration of technology startups in Alberta.
									<a href="#">Alberta Clean Tech industry Association (ACTIA)</a>		Association focused on addressing common issues facing the clean technology industry.
									<a href="#">Alberta Women Entrepreneurs</a>		Not-for-profit providing a range of tools to help women across Alberta succeed in business.
									<a href="#">Assembly</a>	Coworking Space	Coworking space in Kensington, Calgary.
									<a href="#">BioAlberta</a>		Building a community of providers and consumers.
									<a href="#">Government of Canada</a>	Concierge	The Concierge Service offers free, customized advice to small- and medium-sized enterprises (SMEs).
									<a href="#">Northern Alberta Institute of Technology (NAIT)</a>	<a href="#">NanoCarts</a>	Hub for Alberta's nanotechnology industry, assisting in prototyping and product-development.
									<a href="#">nanoCluster Alberta</a>		Association advocating, developing and nurturing a cluster of companies operating in the nano and micro technology fields.
									<a href="#">ReSourceYYC</a>	Coworking Space	Coworking office for engineers, geologists, developers, accountants, technologists, professionals and start-ups in downtown Calgary.
									<a href="#">Southern Alberta Institute of Technology</a>	<a href="#">Applied Research and Innovation Services (ARIS)</a>	ARIS brings industry partners together with researchers, faculty and students to develop novel technologies.
									<a href="#">City of Edmonton</a>	<a href="#">Startup Edmonton</a>	Startup Edmonton connects entrepreneurs with a vibrant community, learning opportunities through workshops and mentorship, and workspace.
									<a href="#">Unit B</a>		Unit B is a coworking space in downtown Edmonton.
									<a href="#">University of Alberta (UofA)</a>	<a href="#">National Institute for Nanotechnology (NINT)</a> <a href="#">eHUB</a>	NINT is a research institution focused on nanotechnology. eHUB is an entrepreneurship centre offering resources, networking opportunities and funding.
									<a href="#">University of Calgary (UofC)</a>	<a href="#">Haskayne's Energy New Venture competition</a>	Early-stage pitch competition dedicated to the advancement of emerging innovations for the energy sector.
									<a href="#">Mitacs</a>		National, not-for-profit organization that has designed and delivered research and training programs.
									<a href="#">Innovation, Science and Economic Development Canada</a>	<a href="#">Strategic Aerospace and Defence Initiative (SADI)</a>	Provides Canadian aerospace and defence industries with repayable contributions for strategic R&D projects.
								<a href="#">GE &amp; Ryerson Futures</a>	<a href="#">Zone Startups</a>	Partnership with GE Canada to drive the growth of industrial internet and energy-related startups.	
								<a href="#">Calgary Economic Development</a>	<a href="#">Startup Calgary</a>	Advocate and collective voice for the Calgary's entrepreneurial movement.	
								<a href="#">Clean Energy Technology Centre – Drayton Valley</a>		A place to come together through education, research and business development.	
<b>Ecosystem Growth:</b> Prototyping, Piloting and Field Demonstration [TRL 4-7]									<a href="#">Innovate Calgary</a>	<a href="#">Green Tech Mentors</a> <a href="#">KINETICA Ventures</a>	Green Tech Mentors focuses on promising Alberta-based clean tech startups and small and medium-sized enterprises. KINETICA bridges the energy industry and technology innovators to accelerate world-class energy technologies.
									<a href="#">Emissions Reductions Alberta (ERA)</a>		Accelerates innovation to reduce greenhouse gas emissions in Alberta.
									<a href="#">ARCTIC Foresight Cleantech</a>	Accelerator Centre	A structured venture acceleration program to help cleantech companies succeed.
								<a href="#">Calgary Chamber of Commerce</a>	<a href="#">Ignite</a>	Practical outcomes and learning opportunities to support growth and innovation initiatives.	
									<a href="#">National Resources Canada (NRCan)</a>	<a href="#">CanmetENERGY - Devon Alberta Carbon Conversion Technology Centre (ACCTC)</a>	CanmetENERGY is a research and technology organization in the field of clean energy. ACCTC is a research facility that will allow new technologies to be tested on a near-commercial scale.
									<a href="#">CETAC West</a>		Help small to medium-sized enterprises (SMEs) in development and commercialization of new environmental technologies.
									<a href="#">Clean Energy Technology Centre (Drayton Valley/ Central AB)</a>		Focused on education, research and business development in the sector of clean energy.
									<a href="#">Canada's Oil Sands Innovation Alliance (COSIA)</a>	<a href="#">Environmental Technology Assessment Portal (E-TAP)</a>	Portal to submit technology ideas to accelerate environmental performance in Canada's oil sands.
									<a href="#">National Research Council</a>	<a href="#">EUREKA!</a> <a href="#">Technical and advisory services</a> <a href="#">Industrial Research Assistance Program (IRAP)</a>	EUREKA! is an international network for market-driven industrial R&D. Technical services help small and large enterprises overcome workforce constraints and limited resources, accelerating design cycles and helping to identify product performance limits. IRAP provides innovation and funding services to help accelerate the growth of business through innovation and technology.
									<a href="#">Petroleum Technology Alliance of Canada (PTAC)</a>		Facilitate innovation, collaborative research and technology development, demonstration and deployment for a responsible Canadian hydrocarbon energy industry.
									<a href="#">Sustainable Development Technology Canada (SDTC)</a>		Fund Canadian cleantech projects and coach the companies that lead them as they move their technologies to market.
								<a href="#">Tecterra</a>		Canadian geomatics technology innovation support centre.	
<b>Ecosystem: Pre-Commercial</b> [TRL 8, 9+]								<a href="#">Western Economic Diversification</a>	<a href="#">WINN</a>	Strategic investments in initiatives with not-for-profit organizations that enhance and strengthen the economy of Western Canada.	
								<a href="#">Canadian Trade Commissioners (CTA)</a>	<a href="#">Canadian Technology Accelerators</a>	Helps companies with an existing technology, product or service explore opportunities in foreign markets.	
								<a href="#">Export Development Canada (EDC)</a>	<a href="#">Concierge</a>	Works with companies and their banks to reduce the financial risks of selling goods or services outside of Canada.	
<b>Any Stage</b>								<a href="#">Alberta Innovates</a>	<a href="#">Funding opportunities</a>	Manages a number of investment programs on behalf of the Government of Alberta.	
								<a href="#">ATB Financial</a>	<a href="#">Entrepreneur Centre BoostR</a>	Entrepreneur Centre is a place to go to share ideas with other entrepreneurs and learn from banking and business experts. BoostR is a rewards-based crowdfunding platform designed for entrepreneurs and small businesses in Alberta.	
								<a href="#">Business Development Canada (BDC)</a>		Bank devoted exclusively to entrepreneurs offering financing, venture capital, growth and transition capital, and consulting services.	
								<a href="#">Canada Revenue Agency (CRA)</a>	<a href="#">Scientific Research and Experimental Development (SR&amp;ED) Program</a>	Federal tax incentive program.	
									<a href="#">Alberta Council of Technologies (ABC Tech)</a>		Point of contact and communication for Alberta's technology leaders and entrepreneurs.
									<a href="#">Decentralised Energy Canada (DEC)</a>	<a href="#">I2CP (Innovation to commercialization program)</a>	Accelerator program.
									<a href="#">Natural Sciences and Engineering Research Council of Canada (NSERC)</a>	<a href="#">Engage Grant</a> <a href="#">Collaborative Research and Development Grants (CRD Grant)</a>	Engage Grants give innovative companies access to the unique knowledge, expertise and capabilities available at universities and colleges. CRD Grants support well-defined projects undertaken by university researchers and their private-sector partners. Direct project costs are shared by the industrial partner(s) and NSERC.
									<a href="#">Edmonton Economic Development</a>	Enterprise Edmonton, Startup Edmonton, Tec Edmonton, Edmonton Research Park	Not-for-profit company responsible for providing leadership to the economic growth strategy for Edmonton.
									<a href="#">Fundica</a>		Montreal based financial services corporation that matches businesses, particularly startups and SMEs in the technology sector, with appropriate sources of funding.
									<a href="#">Environment and Climate Change Canada</a>	<a href="#">Science Horizons Youth Internship Program</a>	Supports green jobs for youth by providing wage subsidies.
									<a href="#">Alberta Centre for Advanced MNT Products (ACAMP)</a>		Not-for-profit organization that partners with and financially assists micro nano technology businesses in commercializing their products as quickly as possible.
									<a href="#">C-FER Technologies</a>		C-FER Technologies focuses on facilitating the use of leading edge technology by Oil and Gas, and Pipeline Operators involved in the development of very challenging resources.

### Private Finance

- [Venture Capital Association of Alberta](#)
- [Banff Venture Forum, Propel](#)
- [Accelerate fund](#)
- [EnerTech](#)
- [Canadian Venture Capital Association](#)
- [Family Office Association](#)
- [District Ventures](#)
- [VA Angels](#)
- [A100](#)
- [C100](#)
- [Alberta investment tax credit fund](#)

### Online Directories

- [Connectica](#)
- [Albertain](#)
- [Innovate Calgary](#)