

Technology & Unmanned Vehicle Systems in Southeast Alberta

"There is very much a 'can do' attitude in southeast Alberta. Nothing is too difficult to attempt. We all benefit from this pioneering attitude forging ahead and in collaboration."

Dewar Donnithorne-Tait
CEO, Canadian Centre
for Unmanned Vehicle
Systems

Established

- 50% of Canadian UVS companies are located in Alberta. Close to 25% of global spending for UVS was earned in Canada.
- We are recognized as a centre of global navigation and positioning technology.
- Our region contains advanced research and testing facilities at Defence Research & Development Canada Suffield (DRDC), and also includes one of the world's largest segregated air space testing zones.
- Southeast Alberta is the home for the Canadian Centre for Unmanned Vehicle Systems. Offering testing and evaluation support including a launcher for air/land/sea, search, education, consultancy and flight operation certification.
- Leading researchers active in unmanned vehicle systems come from across Canada and the world to develop and test their research in real world conditions in southeast Alberta.
- Department of Research & Defence Canada is located at CFB Suffield and is internationally recognized for chemical and biological defence, military engineering, casualty management, countermine technology, robotics and novel energetic materials. Suffield is also home to the Counter Terrorism Technology Centre.
- There is access in southeast Alberta to large volumes of restricted airspace over the CFB Suffield ranges for UAV testing.
- The region has excellent air and surface communications, just a few hours flying time from the U.S., Europe and Pacific Rim with strong links with other aerospace centres within Canada.
- Companies in the region have easy access to experts, institutions and industry specialists.
- The region has excellent proximity to civilian UVS markets and applications like energy, pipeline maintenance, surveying and mining. Our vibrant agricultural industry also requires automated machinery, monitoring and positioning applications.
- Join the technology leaders in UVS already located in Medicine Hat; Amtech Aeronautical Ltd., Meggitt Training Systems Canada, Synergy Technologies, and Zanthic Technologies.
- The region already contains a work force of people highly skilled and knowledgeable about unmanned vehicle systems.
- Firms working in unmanned vehicle systems include specialists in software, artificial intelligence, power systems, propulsion systems, sensors, wiring, wireless and GPS systems, remote controls, telecommunications, engineering, metal fabrication and component assembly.
- Most research, development and testing of unmanned vehicle systems takes place in southeast Alberta.
- There's a strong infrastructure system, from transportation to water to utilities to health care. It's all here.

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Opportunity

The UVS cluster in southeast Alberta is growing and provides great opportunity to do interesting and unique work in a special sector and to achieve sustained business results

Here are a few opportunities for businesses and investors:

- develop and test your research in real world conditions in southeast Alberta
- the region offers excellent clear sky flying weather, and strong federal research and development collaboration opportunities
- we have opportunities for capability engineering, requirements definition, modeling and simulation, collaborative research and development, systems engineering, integration and technology, as well as global positioning
- future DRDC developments focus on transitioning tele-control of unmanned vehicles into autonomous systems with intelligent logistics vehicles, and utilizing sensors and communications links for navigating urban environments
- our research community includes access to an Enterprise Centre serving start-up engineering, science and technology-based companies

Value Driven

Today's businesses and investors are also looking to value-driven communities and cost-effective environments.

- The region is justifiably proud of its strong and trained workforce.
- Stable and cost-effective utility rates.

Alberta offers

- competitive corporate taxes
- no provincial sales, general capital or payroll taxes
- no machinery and equipment tax
- research and development tax credits
- lowest tax rate in Canada
- lowest unemployment rates in the country

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Economic Development Alliance
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