



Nathan Armstrong leads Advanced Manufacturing in the Aviation Alberta Space Industry Panel

Calgary, AB – March 31, 2011 – Motive is pleased to announce that our President, Nathan James Armstrong has been named the Lead for Advanced Manufacturing for the Alberta Industry Space Panel.

The Space panel has been formed to organise and pre-qualify Alberta based companies for upcoming Space Technology development work. The role of the Advanced Manufacturing division encompasses existing manufacturing technology and looks ahead to implementing new manufacturing technologies in the Province.

Nathan was chosen because of Motive's continued ability to deliver advanced vehicles to the marketplace, all of which demonstrate high levels of advanced materials and manufacturing technology. Also Motive's experience with cross-linking industry partners with new projects and funding will be an important part of this new growth industry.

Manufacturing technologies can be applied toward such sectors as: Robotics, Integrated systems, Cryogenics & vacuum technologies, Radiation detectors, Machine intelligence, Remote sensing, Control systems, Distributed sensor arrays, Wireless communications, Digital technologies, Global satellite navigations systems, Information processing technologies, Micro/nano electronics, Imaging technologies, Advanced materials, Precision manufacturing, Integrated engineering and complete Vehicle design.

About Alberta Industry Space Panel

The Space Panel is a mechanism to identify companies currently involved with Space related work and to encourage new Alberta companies to become involved in Space related work. Lead by **Aviation Alberta** and **Alberta Finance and Enterprise**, the panel will serve as the go-to list of Space companies in Alberta and also act as a communications bridge between the members. The Space Panel will remain open to all Alberta Companies who have interest in working in this sector.

<http://albertacanada.com/about-alberta/ad-space-panel.html>

About Motive

Motive is an elite transportation design firm specializing in advanced design and advanced material manufacturing application. Over the past 15 years the Motive team has worked on more than 120 vehicle programs including 10 full electric vehicle programs. The company's unique blend of design capabilities and industry experience has allowed Motive to create processes which accelerate project cycles, reduce cost and decrease time to market. Motive works with existing car companies and manufacturing partners worldwide to architect advanced vehicles from concept through production.

www.motiveind.com

Aviation Alberta Space Industry Panel

Did you know that Alberta designs and develops space products, but then sends most of that work outside the province for fabrication? Attend our workshop and discover how you can diversify into Alberta's expanding space industry.



If your business serves the space industry, or you think it could, we encourage you to join Aviation Alberta and their Space Industry Panel. This Panel is being developed to:

- To enumerate and define the specific opportunities to Alberta industry
- To facilitate Alberta business' exploitation of those opportunities through industry development activities, networking, and supply chain development
- To contribute to international bids on academic-led space projects
- To increase the number of Alberta companies in the space niche through investment attraction, cross-industry diversification, and market expansion activities
- To act as a networking hub for the flow of information between industry, academia, research centres, and governments
- To act as local planning committee for Canadian Space Society Summit 2011 in Calgary (Fall 2011)

To join, click on the link below that represents your company or institution's area of interest:

- [Chairman](#): Dave Peace
- [Secretary](#): Ken Beleshko, Aviation Alberta
- [ISIS Liaison](#): Bob Este, University of Calgary
- [ISSET Liaison](#): Stefan Scherer, University of Alberta
- [Software Lead](#): Byron Osing, Calgary Scientific
- [Sensor Lead](#): Regan Dahl, Blue Sky Spectroscopy
- [Application Lead](#): Nicole Geske, Iunctus TBC
- [Advanced Manufacturing Lead](#): Nathan Armstrong, Motive Industries

Applicable technologies include:

- Robotics
- Integrated systems
- Cryogenics & vacuum technologies
- Radiation detectors
- Machine intelligence
- Remote sensing
- Control systems
- Distributed sensor arrays
- Wireless communications
- Digital technologies
- Global satellite navigations systems
- Information processing technologies
- Micro/nano electronics
- Imaging technologies
- Advanced materials
- Precision manufacturing
- Integrated engineering
- Vehicle design

Space related products and parts account for \$200 million in revenue, of which 75% is exported to the United States and Europe. This niche has significant growth potential as the Canadian Space Agency sets its course for the future and looks for strategic partners across the country. Internationally, space exploration and use of earth orbiters is increasing. Canadian and U.S. expenditures related to the development of exploration systems are expected to almost double by 2012; similar growth is also expected by the European Union, Japan, and emerging powerhouses on earth observation such as Brazil.