



Manitoba Aerospace & Defence Directory

WHERE VISION TAKES FLIGHT



The Manitoba Aerospace and Defence Directory is provided to you by Manitoba Aerospace Inc. and the Manitoba Government. Please direct any questions or updates to the following:

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Message from Chief Executive Officer, Manitoba Aerospace

The Manitoba Aerospace is pleased to partner with the Provincial Government to provide this quick reference guide to the Manitoba aerospace industry.

Canada is a global leader in aerospace and Manitoba is home to Canada's third largest aerospace industry. Our highly competitive aerospace sector produces world-class products for customers on six continents.

From modest roots in small bush plane repair in the 1930's, the Manitoba aerospace industry has grown to include sophisticated design, manufacturing, servicing, testing, certification and research and development capabilities.

We are home to Canada's largest aerospace composite manufacturing centre, as well as one of the world's largest gas turbine engine repair and overhaul companies. The internationally acclaimed Composites Innovation Centre and two of the world's most advanced aircraft engine testing and certification centres developed by Rolls Royce, Pratt & Whitney and GE Aviation are also located here.

Along with a number of global aerospace leaders, Manitoba has a network of SMEs that compete and supply into the world markets. This growing cluster is strengthened through the Competitive Edge Supplier Development initiative, an internationally recognized learner – to-world class supplier and supply chain development program.

A supportive business environment, award winning university, college and highschool collaborations and a Network-of-Excellence led by the Manitoba Aerospace support a culture of innovation and the development of a world-class workforce.

More and more, global customers and suppliers are looking to Manitoba aerospace companies for value-based solutions. Within this guide, or in its online version at www.mbaerospace.ca, you will find the innovative solution providers that will help you compete in the global aerospace market.

Wendell Wiebe, *Chief Executive Officer*

Message from Minister of Growth, Enterprise and Trade Government of Manitoba

On behalf of Premier Brian Pallister and the Government of Manitoba it is my pleasure to support our industry with the publication of this Provincial aerospace and defence company directory.

I wish to recognize the valuable contribution made by our aerospace and defence sectors. Together they generate over \$1.6 billion in revenues and create high-value employment opportunities for approximately 5,300 Manitobans.

Our government is committed to ensuring our existing and future workforces have access to the educational and advanced skills training infrastructure that is so essential to enabling Manitoba companies to continue to prosper in an extremely competitive global marketplace.

I encourage close collaboration between government and industry to reduce red tape and eliminate regulatory obstacles to business. This will enable us to maximize the return on investment from existing and future resources.

The fact that Manitoba is a great location to live and do business is reinforced by the extensive list of manufacturing, maintenance, repair and overhaul, and service companies and supporting agencies contained in this Manitoba industry guide.



Cliff Cullen, Minister of Growth, Enterprise and Trade



Company Capabilities Matrix

| | COMPANIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | AERO RECIPI (CANADA) LTD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AEROPUS STM SERVICES INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | AEROTECH HERMAN NELSON INTERNATIONAL INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ARQUIS INDUSTRIES LTD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | BIG DEAL CUSTOM CASES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BOEING CANADA OPERATIONS LTD., BOEING WINNIPEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | CADORATH AEROSPACE INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CANADIAN MANUFACTURERS & EXPORTERS / MADE SAFE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CANADIAN PROPPELLER & AIRCRAFT COMPONENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CARLSON ENGINEERED COMPOSITES INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | COMPOSITES INNOVATION CENTRE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CORNER GROUP INDUSTRIES INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | ENDURON INC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | HINDTECH CONSULTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | IDERS INCORPORATED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | MANUFACTURING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| KF Aerospace - Contracted Flying Training & Support Librestream Magellan Aerospace Manitoba Aerospace Inc. Manitoba Government Maple Leaf Aviation Limited MDS Aero Test Mega Speed Corporation MicroPlot Modern Manufacturing Limited Neeginan College of Applied Technology OIC Precision Labs Parvity Reitmeier Translation Services Perimeter Aviation PointMan Canada Ltd Precision ADM Pro Wear Gear Inc Red River College Stevenson Campus Roadshark International Inc SetCan Sightline Innovation Southport Airport and Commercial Properties Standard Aero Standard Manufacturers Services Ltd. Tarry & Associates Ltd. Thompson Dorfman Sweatman LLP (TDS) University of Manitoba - Technology Transfer Office WestCard (West Canitest R & D Inc.) Western Economic Diversification Canada (WD) Winnipeg Airports Authority Inc. | COMPANIES | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------|
| | MANUFACTURING | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Aerostructures |
| | | | | | | | | | | | | | | Coatings & Heat Treating |
| | | | | | | | | | | | | | | Components & System Integration |
| | | | | | | | | | | | | | | Composite Fabrication |
| | | | | | | | | | | | | | | Precision Machining/ Additive Manufacturing |
| | | | | | | | | | | | | | | Rubber Seals & Gaskets |
| | | | | | | | | | | | | | | Software and Electronics |
| | | | | | | | | | | | | | | Spacecraft & Payloads |
| | | | | | | | | | | | | | | Tooling, Equipment, Materials |
| | | | | | | | | | | | | | | Airframe |
| | | | | | | | | | | | | | | Engine & Accessories |
| | | | | | | | | | | | | | | Propellers & Accessories |
| | | | | | | | | | | | | | | Business Development |
| | | | | | | | | | | | | | | Engineering, Design, Testing & Certification |
| | | | | | | | | | | | | | | Financial and Business Services |
| | | | | | | | | | | | | | | Program/Project Management |
| | | | | | | | | | | | | | | R&D |
| | | | | | | | | | | | | | | Trade Promotion |
| | | | | | | | | | | | | | | Training & HR Support |
| | | | | | | | | | | | | | | Airports and Aviation Services |
| | | | | | | | | | | | | | | Digital Imagery & Diagnostics |
| | | | | | | | | | | | | | | DEFENCE |



Established: 1905

Principal Products & Services:

Canada's largest distributor of industrial, safety and fastener products (Hand Tools, Power Tools, Metalworking, Fasteners, Electrical, Facility Maintenance, Material Handling and Safety Equipment).

More than 120,000 unique items in stock, 179 branches and 7 distribution centres from coast to coast to coast.

Acklands-Grainger is working with suppliers every day to offer you new and reformulated products that can help you reduce your environmental footprint.

Attributes include: extended life product, recycled content, reduced energy consumption, reduced resource use, reduced water consumption, reusable & refillable and ISO compliant.

Acklands-Grainger

1199 St. James Street
Winnipeg, Manitoba Canada R3H 0K8
Tel: 204-944-7703 | Fax: 204-944-3847
Email: southbye@agi.ca
Website: www.acklandsgrainger.com

Elizabeth Southby
Large Project Account Manager





Employees: 20

Established: 1988

Facilities: 20,000 sq. ft.

Principal Products and Services:

- Specializing in repair of composite components such as: helicopter rotor blades, fairings/cowlings, passenger/cargo floor panels, radomes, propeller spinners and flight controls
- Manufacturing composite repair equipment and tooling
- Composite component manufacturing
- In-house composite repair design capabilities
- Expanded repair capabilities for composite components
- Hot bonding repair capabilities up to 350°F

Aircraft Type:

- Airbus Helicopters, Bell Helicopters, MD Helicopters, Schweizer, Sikorsky, Fokker, Cessna, Pilatus, Airbus, Boeing, Hamilton- Standard, De Havilland

Quality Standards/Certifications:

- AMO#39 - 89
- Working towards a Design Approval Organization

Special Equipment:

- Cleanroom, positive pressure
- Various curing/bonding ovens up to 9'H x 14'W x 30'L
- Temperature control units
- Positive and negative pressure tooling

Major Clients:

- StandardAero, Canadian Forces, Canadian Helicopters, Air Canada, Jazz Aviation, Calm Air, Keewatin Air
- Large and small helicopter fleet operators

Advanced Composite Structures

43 Muir Road
Winnipeg, Manitoba, Canada R2X 2X7
Tel: 204-982-6565 | Fax: 204-982-6555
Email: acs@acs-composites.com
Website: www.acs-composites.com

James Anning, *President*

Bruce Anning, *Director of Maintenance*

Slobodan Oravec, *General Manager*

Justin Anning, *Production Manager & Tooling Development*

Brenda Twerdun, *Customer Service*



Employees: 30

Established: 1988

Facilities: 30,000 sq. ft.

Principal Products and Services:

- Repair and overhaul of Pratt & Whitney R985 and R1340 radial engines, and all models of Continental and Lycoming engines, cylinders and related accessories

Quality Standards/Certifications:

- Transport Canada approved overhaul facility (Approval #45-89)

Special Equipment:

- Specialized tooling for the overhaul of Pratt & Whitney, Lycoming and Continental engines
- Accessory shop equipped to overhaul and test carburetors, fuel injectors, magnetos, harnesses, fuel pumps and turbo systems
- NDT equipment (Magnetic Particle & Fluorescent Penetrant)
- Dyno Test Cell
- Oil cooler overhaul and test facilities



Photo credit: ©Ellice Gan (Manitoba Aerospace)

Aero Recip (Canada) Ltd.

540 Marjorie Street
Winnipeg, Manitoba, Canada R3H 0S9
Tel: 204-788-4765 | Fax: 204-786-2775
Toll Free: 1-800-561-5544
Email: info@aerorecip.com
Website: www.gregorashaviation.com

Tracey Gregorash, General Manager



Photo credit: ©Ellice Gan (Manitoba Aerospace)



AeroPlus STM Services Inc.

Established: 2011

Principal Products and Services:

- Provision of executive management services to aerospace and aviation organizations
- Provision of aviation safety consulting & investigations training
- Facilitation and management of aerospace research & development projects

Major Clients:

- West Canitest R & D Inc. (WestCaRD)
- University of Manitoba
- Southport Aerospace
- Industrial Technology Centre
- Aerospace and aviation companies
- Aviation-related investigative associations and companies
- Government agencies

AeroPlus STM Services Inc.

Tel: 204-471-9979 | Fax: 204-489-7024
Email: vicgerden@mts.net

Vic Gerden, *President*





Employees: 16

Established: 1973

Facilities: 24,000 sq. ft.

Principal Products and Services:

- Based in Winnipeg, Canada we manufacture engine driven portable heaters for use in aviation, military, and construction. We are resellers of Flameless heating appliances as well as various oil fired & electric models.

Quality Standards/Certifications:

- ISO 9001:2008

Major Clients:

- 82nd Airborne US Army
- Air Canada
- Air France
- Air Greenland
- Alaska Air
- Boeing
- Bombardier
- China Air
- Delta Airlines Inc.
- FedEx
- Husky
- Iceland Air
- Korean Air
- Manitoba Hydro
- NATO
- West Jet
- Governments of Canada and U.S.A.



**Aerotech Herman Nelson
International Inc.**

100 Eagle Drive
Winnipeg, Manitoba, Canada R2R 1V5
Tel: 204-633-1999 | Fax: 204-694-1612
Email: sales@hermannelson.com
Website: www.hermannelson.com

Fran Kovants, President



Employees: 65

Established: 1962

Facilities:

- 28,000 sq. ft. Manufacturing/Head Office Facility
- 20,000 sq. ft Metals manufacturing Facility
- 5,000 sq. ft. Pickering, ON - Distribution Facility

Principal Products and Services:

- Elastomeric sealing solutions - Custom 3D fluorosilicone/ silicone/rubber injection molded seals; 2D steel rule die cut gaskets; CNC knife cut gaskets / seals.
- Materials - Fluorosilicone, silicone, Viton, AMS & MIL spec rubber, industrial cork/ rubber, cork /silicone, sponge
- rubber/foam & Engineered Adhesive Solutions
- Aerospace parts - bulkhead seals, vent seals, fuel tank seals, pylon seals, shroud seals, inboard flap seals, and
- various bulb seal subassemblies
- CNC Metal Machining
- Fixtures – Transport, Welding Fixtures, etc.
- Core competencies includes Gaskets & seals, Rubber/Plastic Molding, Machining Metal & Robotic Welding of Steel

Quality Standards/Certifications:

- ISO9001:2000
- AS 9100, Rev. C
- AS9102 First Part Qualification
- Bombardier Aerospace Approvals (QAS/004 - Classification A – Subcontractor & Classification C – Manufacturer)

Special Equipment:

- Rubber & Plastic Injection Molding
- Rubber Compression Machine (46x48 platen size - 700 Ton)
- Conversion/die cutting presses
- LaserQC - Automated 2D laser scanning/ part inspection system. CNC Mills, CNC Lathe, Robotic Welding
- On-site Aerospace Quality Lab Postcure/ postbake convection oven
- Automated, laser sighted sitting Machine

Major Clients: Bombardier Aerospace, Viking Air, GDLS and numerous Tier 1, 2, & 3 sub-contractors in the aerospace & defense industries

Argus Industries Ltd

Head Office

20 Murray Park Road
Winnipeg, Manitoba, Canada R3J 3T9
Tel: 204-837-4660 | Fax: 204-896-4250

Metals Division

250 Saulteaux Crescent
Winnipeg, Manitoba, Canada, R3J3T2
Tel: 204-632-0938 | Fax: 204-697-0578

Email: info@argusindustries.ca
Website: www.argus.ca

Michael Easton, President & CEO

Mike@argus.ca

Danielle Roy, Business Development Team

Leader | danielle@argus.ca



Employees: 70

Established: 1976

Facilities: 40,000 sq. ft.

Principal Products & Services:

- B/E Aerospace Canada Limited offers turnkey solutions to Aircraft OEMs, Modification Centers and Integrators through our core competencies in aircraft design, engineering, certification and custom manufacturing.
- B/E Aerospace Canada Limited is a Transport Canada (TC) Design Approval Organization (DAO) able to approve aircraft design data in avionics, interior systems, structures, and flammability, providing comprehensive manufacturing and maintenance solutions around the globe.
- We are a TC approved manufacturer, distributor and maintenance provider of aeronautical products and we design, and manufacture products and provide subcontract manufacturing to airframe manufacturers and maintenance organizations worldwide.

Quality Standards/Certifications:

- DAO 98-C-01 (TC approved)
- AMO 88-97 (TC Approved)
- Material burn/flame test certification (TC approved)
- AS9100 Rev. C Credited
- C.A.S.E. Approved
- Controlled Goods Approved

Engineering / Certification:

- Design, develop, testing & certification services for aircraft modification & repair
- Full engineering design & analysis capabilities
- Fracture mechanics & damage tolerance analysis (DTA)
- Development of aircraft modification kits
- Aircraft import/export support,
- Aircraft pre-import/purchase evaluations
- Aircraft upgrade feasibility studies

Manufacturing:

- Modification kits (STC) for fixed & rotary wing
- Replacement parts (PDA) & repair kits for fixed & rotary wing
- Sub-contract manufacturing for aircraft OEMs
- Structural & electrical component exchange & maintenance services for aircraft operators

Major Clients: Bombardier Aerospace; Pilatus Aircraft; Cascade; Jet Aviation; Innotech Aviation; Flying Colours Corp; Piedmont Airlines

B/E Aerospace Canada Limited

25 Dunlop Avenue
Winnipeg, Manitoba, Canada R2X 2V2
Tel: 204-783-5402 | Fax: 204-783-5436
Website: www.emteq.com

Udaya Silva, *Vice President & General Manager*



Employees: 8

Established: 1976

Facilities: 10,000 sq. ft.

Principal Products & Services:

- Reusable Shipping Containers
- Foam lined cases, for electronic instruments and components (i.e. computers etc.).
- Cases are also used by the Medical, Sports, Entertainment, and Aerospace Industries.
- Products: A.T.A. flight Cases; Plywood container systems, Base hardware, Tooling Custom Inserts, Container Repair.
- Roto Molded Cases

Quality Certifications:

- ATA spec. 300 Category 1
- Roto Molded and Injection Molded Cases
- MILL-STD-810F
- FED-STD-101C

Major Clients:

- Magellan Aerospace
- Boeing Canada Operations
- Standard Aero
- GE Nuclear
- SRS Mantech
- Northrop Grumman
- NASA
- Nexolve
- Ball Aerospace
- Perimeter Air



Big Deal Custom Cases

100 Durand Road
Winnipeg, Manitoba, Canada R2J 3T2
Tel: 204-663-4870 | Fax: 204-668-7404
Toll Free: 1-800-337-3325
Email: gdealey@bigdealcases.com
Website: www.bigdealcases.com
www.facebook.com/bigdealcustomcases

Gary Dealey, President



Employees: 1,400

Established: 1971

Facilities: 730,000 sq. ft.

Principal Products and Services:

- High strength-to-weight ratio solid laminate and sandwich panels and assemblies in support of Boeing Commercial Airplane production.
- Engine Strut Forward and Aft Fairings
- Wing to Body Fairings

Quality Standards/Certifications:

- DOT (Airworthiness)
- D1-9000

Special Equipment:

- CNC Trim (5, 4, 3 axis)
- Clothcutting
- Autoclaves
- CNC Core Carver (6 axis)
- Non-destructive Inspection

Major Clients:

- Boeing Commercial Airplanes



**Boeing Canada Operations Ltd.,
Boeing Winnipeg**

99 Murray Park Road
Winnipeg, Manitoba, Canada R3J 3M6
Tel: 204-888-2300
Website: www.boeing.ca

Kim Westenskow, *Managing Director,
Boeing Canada Operations Ltd.
General Manager, Boeing Canada Winnipeg*



The Canadian Composites Manufacturing R&D Inc. (CCMRD) is an industry-led Not-for-Profit Consortium with a mandate to develop and demonstrate advanced composite manufacturing technologies that will enhance Canada's global competitiveness. CCMRD brings together major aerospace companies, small to medium-sized enterprises, research organizations and academic institutions to develop and transform the latest technical and academic knowledge into practical solutions.

CCMRD is a virtual Consortium utilizing member expertise, capabilities and facilities to collaboratively accomplish precompetitive TRL 3 to TRL 6 technology demonstrator projects. These industry led projects leverage individual member's R&D dollars, and support crossing the mid-TRL "Valley of Death". Membership fees, and project cash and In-Kind contributions are used to both manage the Consortium, and leverage non-repayable funding opportunities.

CCMRD is an excellent forum to plan, execute and fund collaborative composite technology development and demonstrator projects, increase access to technical Subject Matter Expertise and reduce commercialization risk. CCMRD projects are designed to increase member's capabilities, capture best practices and link industry to research and academic resources. In addition, CCMRD is recognized as an "equivalent by membership" organization by the Consortium for Aerospace Research In Canada (CARIC), and is also recognized by the Natural Sciences and Engineering Research Council of Canada (NSERC) as an Industry Partner.

Members of the Consortium are: The Boeing Company; Magellan Aerospace; Convergent Manufacturing Technologies; Asco Aerospace; Avcorp Industries; PCM Innovation; the National Research Council of Canada; the Composites Innovation Centre; The University of British Columbia – Composite Research Network; and Red River College.



The Canadian Composites Manufacturing R&D Inc.

158 Commerce Drive, Winnipeg MB, R3P 0Z6
Website: www.ccmrd.ca

Sean McKay, *Director of External Relations*
smckay@ccmr.ca

Gene Manchur, *Executive Director*
gmanchur@ccmr.ca



CADORATH

Employees: 55

Established: 1990

Facilities: 40,000 sq. ft.

Principal Products and Services:

- Repair of turbine engine & dynamic components including RR Model 250, RR300 & T56; Pratt & Whitney PW100, PT6; Honeywell T53, LTS101; Turbomeca Ariel I, II Sikorsky S61, S76; Bell 204, 205, 206, 407, 212, 412 Hydraulic & Dynamic Components

Quality Standards/Certifications:

- DOT #86-91
- ISO 9001-2008
- EASA Part 145
- Rolls-Royce Authorized Repair Facility for M250 & RR300
- Turbomeca Approval
- Sikorsky Approval
- Transport Canada DAO # 15-C-01

Special Equipment:

- Lab analysis facility
- Electrostatic liquid penetrate inspection line, MPI
- Full machine shop
- Long Bore Honing
- Engineered plating deposits
- CMM
- HVOF Metal Spray
- Plasma Spray
- Shot Peen (Automated and Manual)

Major Clients: Engine & Component overhaul shops, brokers and helicopter and fixed wing operators worldwide.

Parent Company:

Cadorath Plating Co. Ltd.

Cadorath Aerospace Inc.

2070 Logan Avenue
Winnipeg, Manitoba, Canada R2R 0H9
Tel: 204-633-2707 | Fax: 204-632-7663
Email: info@cadorath.com

Gerry Cadorath, *President*

Dave Haines, *Sr. VP*

Roy Hartfiel, *Director of Business Development*

Chris Jones, *Director of Quality Assurance*



Employees: 25

Established: 1871

Principal Products & Services:

Helping manufacturers grow through:

- Advocacy & Intelligence
- Leadership & Executive Support
- Advanced Manufacturing, Technology & Innovation
- Networking & Best Practices
- Training, Skills Development & HR
- Lean & Productivity
- Trade & Business Development
- Education & Youth
- Safety Advice and Training

Major Clients:

CME provides support to the Manitoba manufacturing community as well as crossover training and services to many other groups and industries; including government, crown corporations, associations and more.

Canadian Manufacturers & Exporters / Made Safe

67B Scurfield Blvd
Winnipeg, MB R3Y 1G4
Tel: 204-949-1454 | Fax: 204-500-3342
Email: mb.info@cme-mec.ca
Website: www.daretocompete.ca

Ron Koslowsky, *Vice President CME*





Employees: 16

Established: 1991

Facilities: 12,000 sq. ft.

Principal Products and Services:

- Repair, Sales and Overhaul of Aircraft Propellers, Governors & Components
- Hamilton Sundstrand Propellers & Blades
- Composite and Metal Propellers, Turbine and Reciprocating Governors
- NDT testing of Components, Brakes
- Painting & Other services on Components & Wheels
- On Wing Maintenance & De-ice boot installations

Quality Standards/Certifications:

- Transport Canada - AMO 175-91
- EASA Approval 145.7254
- CGSB Level II, LPI & MPI
- Factory Authorized Propeller Service
- Station for Hartzell & McCauley & MT propellers

Special Equipment:

- Shotpeening Equipment & Certification
- Balance Equipment
- Inhouse Blade Rolling
- Machining Capabilities & Digital lathes
- Paint Booth & System
- Inhouse Blade Sheath Install System
- Aeroscan Blade Measurement Device

Major Clients:

- Commercial operators
- Transport Canada & Provincial Governments
- International Customers Airlines
Commuter Aircraft
- Aerial Applicators
- Flight Schools
- Private Operators



Canadian Propeller & Aircraft Components

462 Brooklyn Street
Winnipeg, Manitoba, Canada R3J 1M7
Tel: 204-832-8679 | Fax: 204-888-4696
Cell: 204-227-8104
Toll Free: 1-800-773-6853 24/7 & AOG
Email: dwillis@canadianpropeller.com
Website: www.canadianpropeller.com

Debbie Wills, VP & Business Development



Employees: 200

Established: Carlson Engineered Composites was established in 1978. The Carlson group of companies was established in 1939.

Facilities: 122, 000 sq. ft.

Principal Products and Services:

- Composites
- Carbon fiber
- Robotic water jet cutting
- Patterns and tolling development
- Automated paint line class A finishes
- Down draft booth

Quality Standards/Certifications:

- ISO 9001:2008

Special Equipment:

- Seven axes ABB robotic water jet cutter using a KMT dual intensifier running on a 30 ft. track
- 5 stage pre treatment wash, dry off oven, prime, flash off area, finish and 60 ft. bake oven running on a 586 ft. conveyor line



Carlson Engineered Composites Inc.

692 Mission Street
Winnipeg, Manitoba, Canada R2J 0A4
Tel: 204-233-0671
Email: ncarlson@carlsongrpco.com
Website: www.carlsongrpco.com

Neil Carlson, *President*

Dieter Loewen, *Executive CEO*

Arnie Milne, *VP Sales and Product Development*



Competitive Edge Strategic Development Services (CESD Services) is a consulting service provider that specializes in assisting small to mid-size businesses (SMBs) to be more competitive and able to perform to their optimum level. CESD Services is a visionary company providing proven, measured and impactful results.

Our solutions are customized to the specific needs of the client after careful analysis of their internal and external environments.

CESD Services' premier product is the Competitive Edge Supplier Development Program (CESDP) which follows a benchmarked and progressive "learner to world class" development model, enabling companies to embed the critical business systems required by OEMs and Tier 1 integrators. Meeting OEM business standards allows SMBs to compete and "punch above their weight". In addition, CESD Services organizes training workshops for individuals and companies on management, HR, and leadership topics. We continually improve our programs to ensure our clients are positioned to succeed.

We value the qualities of: honesty, ethical dealings, transparency, accountability, and diversity.

Principle Products and Services:

Leadership

- Leadership Coaching
- Strategic Plan Development and Deployment

Operations

- Benchmarking Assessments (Gap Analysis) of Organizational Capabilities
- Project and Risk Management

Training

- "World Class" Management Operating System Development and Implementation

Personnel

- Strategic Human Resources Planning
- Skills Planning and Development
- Human Resources Consulting
- Organization Development (Supplier Development)
- Competitive Edge Supplier Development Program



Competitive Edge Strategic Development Services Inc.

1000 Waverley Street
Winnipeg, Manitoba, Canada R3T 0P3
Tel: 204-272-2957
Website: www.cesdservices.ca

John Kliewer, *Leader, Consulting*
jkliewer@cesdservices.ca



Employees: 30

Established: 2003

Principal Products and Services:

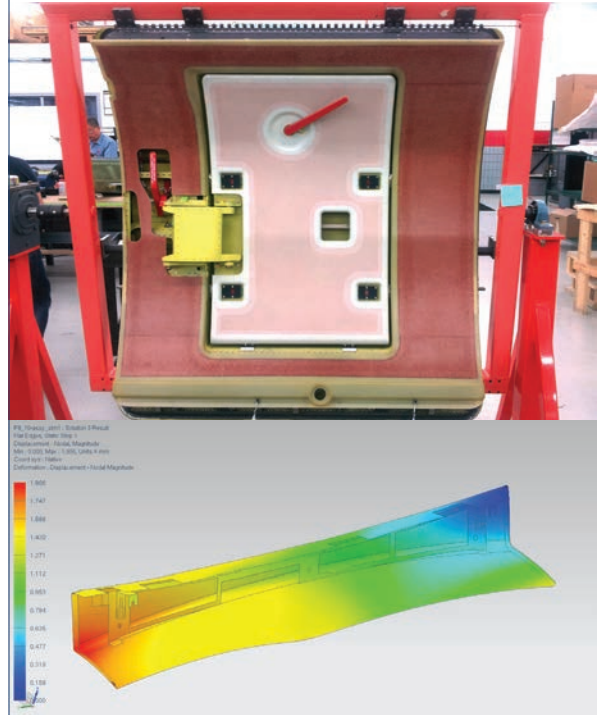
- Not-for-profit organization supporting the development and commercialization of composite materials and technologies
- Composite structural design, modeling and analysis
- Material and process development
- Mechanical and physical testing
- Prototype tool and part fabrication
- Project management
- Technical consultation
- Training programs and seminars

Special Equipment:

- Siemens NX CAD with integrated Nastran FEA
- Resin infusion molding and out-of-autoclave processing equipment
- 5-axis and 3-axis machining stations
- SEM, Confocal Microscope, FTIR, ICG, XRD, DVS, TMA, DMA, DSC
- Environmental conditioning chamber, Fortus 250mc 3D Printer

Major Aerospace Clients:

- Boeing Canada Operations - Winnipeg Division
- Boeing Research & Technology
- Magellan Aerospace Group
- Canadian Composite Manufacturing R&D Consortium (CCMRD)



Composites Innovation Centre

158 Commerce Drive
Winnipeg, Manitoba, Canada R3P 0Z6
Tel: 204-262-3400 | Fax: 204-262-3409
Email: cic@compositesinnovation.ca
Website: www.compositesinnovation.ca

Sean McKay, *President and CEO*
Mike Hudek, *Vice President, Business Development and Operations*



Employees: 150

Established: 1988, Controlled Goods Registered and ITAR Compliant

Facilities: 160,000 sq. ft.

Principal Products and Services:

- High Speed Machining of Medium and Monolithic Aluminum aerostructures
- Steel and Titanium, Plate and Forgings for Aerospace and Defence Industries
- Special processing (LPI/anodize/ paint) in support of Aerospace and Defense operations
- Assembly of Aerospace and Defense components and structures

Quality Standards/Certifications:

- ISO 9001:2008, and AS9100 Rev C. (with exclusions for design)
- Nadcap approvals AS7114 for NDT, and AS7108 for Chemical Processing
- Numerous additional customer approvals for build to print manufacturing and special process

Special Equipment:

- Integrated 4 Axis Makino cell combining eight 240 tool A88 Horizontal Machining Centers coupled with a powerful Cell Controlled 50 Pallet Pool providing Lights Out Capability
- Grob 550 – 5 Axis Mill, 16,000 RPM horizontal Centre Dual Pallet
- Makino Mag 3, Horizontal High Performance Profiler, 100HP, 33000 RPM, 10 pallets
- SNK Horizontal High Performance Profiler, 75 HP, 20,000 RPM, 2 Pallets
- 3 - 10' Cincinnati Vertical Machining Centers, 15,000 RPM



- 2 - Mazak Variaxis, 20000 RPM 2 Pallet
- Cincinnati 40' Gantry, Three Spindle, 100 HP, 10,000 RPM
- Mazak Integrex i400 9 Axis Turn Mill
- Numerous Horizontal and Vertical CNC machining Centers
- CATIA V5 / Unigraphics NX CAD/CAM
- CNC CMM inspection
- Boric acid anodizing facility for aluminum parts up to 14 feet long
- NDT - LPI and MPI capabilities
- Full paint shop capabilities including CARC/ zinc phosphate
- 5-Axis Mill; Travels: X31.4" Y37.4" Z40.1", 16,000 RPM

Major Clients:

- General Dynamics Land Systems
- Boeing
- Airbus
- Bombardier
- UTAS
- Canadian and United States Militaries

Cormer Group Industries Inc.

1445 Church Ave.
Winnipeg, Manitoba, Canada R2X 2X9
Tel: 204-987-6400 | Fax: 204-988-3808
Websites: www.cormeraerospace.com
www.cormerdefense.com

Leo Sousa, President
lsousa@cormeraerospace.com



Facilities: 51,444 sq. ft.

Employees: 87

Established: 1970

Principal Products and Services:

- Precision Metal Fabrication
- CNC Machining
- Special Project Engineering Design and Manufacture
- Progressive, Compound and Fine
- Blanking Dies
- Jigs and Fixtures
- EDM, WEDM
- Design and Engineering

Quality Standards/Certifications:

- ISO 9001-2000

Special Equipment:

- EDM Machines (Wire & Ram)
- Milling Machines
- CNC Lathes
- CNC Mills
- 5-Axis CNC Mills
- CAD-CAM
- Lathes, Grinders
- Centerless Grinder

Major Clients:

- Behlen Industries
- Bristol Aerospace Ltd.
- Boeing Canada Operations
- Buhler Versatile & Manufacturing
- Carte International
- Evraz Inc
- MacDon Industries Ltd.
- Manitoba Hydro
- National Research Council
- StandardAero Ltd
- Westeel Industries

Dynamic Machine & Fluid Power

1407 Dugald Road
Winnipeg, Manitoba, Canada R2J 0H3
Tel: 204-982-4900 | Fax: 204-982-4933
Email: Everettc@

Richard van den Broek, *President*
Everett Conrad, *Operations Manager*





Employees: 80

Established: 1997

Facilities: 60,000 sq. ft.

Principal Products and Services:

A contract manufacturer specializing in:

- Precision metal cutting and fabrication
- Certified welding of steel, aluminum and stainless steel for aerospace, defence, communications, construction and agriculture equipment sectors
- Military specification cleaning and painting
- Assembly, Packaging, Kitting

Quality Standards/Certifications:

- Welding certified to Military Standard 1595
- CWB-W47.2-M1987
- CWB-W47.1-M1987
- ISO 9001
- AWS D1.1, D1.2, D1.3, D1.7

Special Equipment:

- Laser Cutting
- CNC Punch and CNC Press Brakes
- Aluminum Spot Welding
- TiG/MiG Welder
- Aluminum Cleaning and Conversion Coating line
- Zinc Phosphate Conversion Coating line
- MIL Specification painting
- Powder Coating system
- CAD/CAM
- Tub bending
- Tube laser

Major Clients:

- General Dynamics
- Canadian National Railway
- Canadian Pacific Railway
- Motor Coach Industries

Enduron Inc.

150 Cree Crescent
Winnipeg, Manitoba, Canada R3J 3W1
Tel: 204-885-2580 | Fax: 204-888-2912
Email: richard.k@enduron.net
Website: www.enduron.net

Richard Klassen, *President*
Julian Kulbacki, *General Manager*



Principal Products & Services:

EnviroTREC is a Non-Profit Organization (NPO) that is partnered with GLACIER, which is a limited partnership between Rolls-Royce and Pratt & Whitney. Other partner organizations that were crucial to the establishment of this globally unique world-class facility include the National Research Council Institute for Aerospace Research, Western Economic Diversification Canada, the Province of Manitoba, MDS AERO Support Corporation and MDS Aero Test. MDS Aero Test is a Manitoba based firm which operates, maintains, and markets the available cycles at the Glacier Facility in Thompson, Manitoba.

The EnviroTREC assets include all of the test systems and the thrust stand which are located at the GLACIER Facility in Thompson. This facility is the most modern engine icing certification facility in the world. It is capable of testing engines whose fan diameter is up to 140 inches while producing up to 150,000 pounds of thrust. EnviroTREC was formed to stimulate the development of technology programs which are required to support the operation of the facilities in Thompson.

EnviroTREC is also involved in the development of the highly-qualified personnel and technologies which are necessary to keep the EnviroTREC/GLACIER capabilities at the forefront of the aerospace sector.



EnviroTREC

200-78 Innovation Drive
Winnipeg, Manitoba R3T 5C1
Tel: 204-480-0350 | Fax: 204-480-0345
Email: alfonz.koncan@envirotrec.ca
Website: www.envirotrec.ca

Alfonz Koncan, *Director of Business
Development and Government Relations*

FastAir

EXECUTIVE AVIATION SERVICES

Fast Air Executive Aviation Services provides a full range of support for business aviation. Air Charter of Jets, Turbo-Props, and Helicopters. A Maintenance center that is fully capable of minor and major service for Beechcraft King Airs, Gulfstream Jets, Hawker Jets and most types of modern business aircraft. Fast Avionics provides full service for flight instruments. Fast Air is a certified Dealer and Installer for Garmin including the G1000 glass cockpit. The Fast Air FBO is an award winning service centre that can meet your every need. With 50,000' of Hangar Space, more than 20 aircraft in its fleet, and over 125 staff in its group of companies, Fast Air is well suited to serve Business Aviation.

Fast Air MedEvac is one of Canada's best air ambulance services with capabilities up to critical-care support. Our teams are based in 4 locations 24/7 365 days a year and are recognized for their outstanding service and safety.

FastAir is a family-owned business with aviation roots that reach back to the 1950's. Since it's start as a business aviation company in 1995, FastAir has grown to encompass a full range of aircraft services. The Fast Air headquarters are located at the Winnipeg Richardson International Airport (CYWG) in Manitoba Canada. FastAir Executive Aviation is known and trusted for its safety and quality and is considered a leader in Canadian Business



Fast Air Executive Aviation Services

80 Hangar Line Road
Winnipeg, Manitoba, Canada R3J 3Y7
Tel: 204-982-7240 | Fax: 204-783-2483
Email: faprm@flyfastair.com
Website: www.flyfastair.com

Dennis Lyons, *Person Responsible for Maintenance*



Employees: 20-25

Established: 1996

Facilities: 60,000 sq. ft.

Principal Products and Services:

- Repair, overhaul and refurbishment of piston and turbine aircraft
- Conversion and modification
- Major airframe repair
- Line maintenance for Boeing / Airbus
- Structural repairs and modifications
- Line maintenance
- Importing and Exporting
- Auditing

Quality Standards/Certifications:

- DOT #80/97
- MDM - Maintenance

Major Clients:

- Commercial airlines domestic and International.

Flightcraft Maintenance Services

2450 Saskatchewan Avenue
Winnipeg, Manitoba, Canada R3J 3Y9
Tel: 204-783-2754 | Fax: 204-783-2848

Jim Peroff, *President*

Steve Oliveria, *Production Manager*

Barb Kreitz, *Office Manager*





Employees: 40

Established: 1985 when Frost Fighter was part of a large HVAC company in Winnipeg, called Industrial Commercial Equipment (ICE). The original Frost Fighter design was CSA approved in 1965.

Facilities: 93,644 sq. ft.

Quality Standards/Certifications:

- ETL
- CSA
- Boston Fire Marshall

Principle Products and Services:

- OEM Manufacturer of indirect fired heaters
- Training on the maintenance and repair of indirect heaters
- Frost Fighter parts depot for North America

Major Clients:

- Governments of Canada and USA
- Small and major airline companies
- Contractors
- Rental and Equipment companies

Frost Fighter designs and manufactures portable climate control systems that are meant to withstand some of the harshest environments in remote areas. Small charter and major airlines utilize our indirect fired heaters, because the combustion products are not in the airstream and the flame is safely contained within a heat exchanger. Airlines can safely pre-heat engines and cockpits, by ducting the heated air to where it's needed. A good example of this was shown on the hit TV show "ICE Pilots". Our equipment has also been used to build airport terminals, and provide supplemental heat when the planes go in and out of the terminals.



Frost Fighter

100-1500 Notre Dame Ave.
 Winnipeg, MB R3E 0P9
 Ph: 204-589-9278 | Cell: 204-229-9669
 Toll Free: 1-888-792-0374
 Fax: 204-783-6794
 Website: www.frost-fighter.com

Nicole Clancy, President



General Electric operates several businesses in Canada. GE Canada supports the Royal Canadian Air Force and the Royal Canadian Navy, the Canadian Coast Guard, and commercial air carriers and the commercial marine industry.

In Canada, GE Aviation manufactures commercial and military engine airfoils in Bromont Quebec. At the same facility, it also operates a Robotics Centre of Excellence and an Advanced Instrumentation Shop. For the past 5 years, GE Aviation has been operating a Research Testing and Development Centre in Winnipeg for its commercial and military engine programs.

GE engines power over 80% of the Air Forces' aircraft and the Halifax Class Frigates. GE Aviation also powers Boeing and Airbus commercial aircraft, and Bombardier and Embraer Regional and Executive Jets. GE also supports, through well-established Canadian-based repair and overhaul entities, all military GE engines in Canada.

GE holds the performance-based in-service-support contract for the GE LM2500 Gas Turbine that power the Frigates. GE also offers a comprehensive ship propulsion systems, including mechanical, electrical and hybrid drives, generators, motors and power conversion, distribution and controls, and Integrated Power Management System. GE will power the Navy's Arctic Offshore Patrol Ships.

GE Canada is recognized for having delivered high quality Industrial and Regional Benefits as well as having significantly exceeded its legal commitments with Canada.

GE Aviation

60 Queen Street, Suite 1205
Ottawa, ON K1 P 5Y7
www.ge.com

Daniel Verreault, *Director, Canada MSO,
GE Aviation*

Tel: 613-235-3421 | Fax: 613-235-2481
daniel.verreault@ge.com



Employees: 2

Established: 1994

Principal Products & Services:

Grey Owl Aviation provides

- Initial Human Factors Workshops
- (8) Recurrent Human Factors Workshops
- Canadian Aviation Regulations
- Fatigue Risk Management
- Aviation Leadership
- Safety Management System training for all aviation departments

Quality Standards/Certifications:

- Meets TC, FAA, EASA requirements.

Major Clients:

- Aircraft Manufacturers
- Maintenance Repair and Overhaul
- Corporate Flight Departments
- EMS and Offshore Operators
- Airlines
- Various Aviation Associations

Grey Owl Aviation Consultants

Lot 5, Lakeview Road
Onanole, Manitoba, Canada R0J 1N0
Mailing Address:
Box 233, Onanole, Manitoba, Canada R0J 1N0
Tel: 204-848-7353 | Fax: 204-848-4605
Email: richard@greyowl.com Website:
Website: www.greyowl.com

Richard Komarniski, *President*



HINDTECH



AEROSPACE AND DEFENCE
CONSULTING AND REPRESENTATION

Established: 1997

Principal Products and Services:

Based on a background of over 35 years of leading the worldwide aerospace and defence, marketing and business development with Spar Aerospace Limited, and Canadian divisions of Hawker Siddeley and Rolls-Royce, HindTech offers:

- Consulting: Aerospace and defence, marketing and business consulting; market studies and analyses; product market research and launch; proposal management and preparation; teaming and joint ventures; ability to undertake market or business related special tasks without the distraction of the daily office routine that would affect an employee.
- Contract Executive: Interim replacement for an unplanned vacancy in the marketing, sales, business development or strategic planning roles of a company; market or business mentoring of a new hire or promoted employee; provide temporary or business assistance at times of peak load.
- Manufacturer's Representative: Sales representative for products and capabilities of companies wishing to achieve sales in Canada, the US or Europe. This would provide a broad market coverage at a portion of the cost of an employee.

Major Clients:

Over the past fifteen years, HindTech has served more than 25 organizations and small to medium sized enterprises (SME's) in Canada, USA, and Europe.



HindTech Consulting

26 Kingsborough Drive
Winnipeg, Manitoba, Canada R3P 1H7
Tel: 204-488-9622 | Fax: 204-488-9622
Cel: 204-228-5363
Email: CMHinds@aol.com

Malcolm Hinds, President

iders

Employees: 140+

Established: 1992

Facilities: 26,000 sq. ft.

Principal Products and Services:

- EDS (Electronic Design Services), including:
- digital & analog electronics, logic & DSP design
- power & RF (high power, GHz RF)
- firmware & software (VxWorks, Linux)
- VME, PCI, custom & compact design outputs
- comprehensive DVT tools
- EMS (Electronics Manufacturing Services)
- advanced SMT technologies-33,000 pph
- BGA placement to 0.6mm
- THT LED automated placement, 4,000pph
- no-touch machine vision inspection
- specialize in low-volume electronics assembly
- facilities for in-process burn-in and QA

Quality Standards/Certifications:

ISO9001:2008 Design

IPC

RoHS

- Multi-industry participation requires compliance with customer prescribed standards & practices
- Designed and produced electronic systems for Signals Intelligence, advanced UAV controls, fiber optic interrogation systems, semiconductor test equip.
- Rigorous internal QA standards & Practices

Special Equipment:

- High-speed digital, analog & RF test & measurement
- Advanced optophotonics test & measurement equip.
- Environmental test chambers
- SMT paste, SMT 2d & 3d paste inspection (automated)
- SMT & THT automated placement with machine vision
- 7-zone, closed loop IR reflow. Leadfree process ready
- Automated optical inspection postassembly
- Xray inspection (BGA) and automated rework

Major Clients/Partners:

- GE Transportation
- Alstom
- CPR
- CN
- Bell Helicopter/Textron
- JCA
- NBS technologies

Iders Incorporated

27047 Oakwood Road
Oakbank, Manitoba, Canada R0E 1J2
Tel: 204-444-5200 Ext. 223 | Fax: 204-444-5900
Email: info@iders.ca

David Fletcher, *Vice President*
dfletcher@iders.ca, (Extension 223)

Kevin Luellman, *Director - products and technologies*
kluellman@iders.ca, (Extension 229)



Employees: 22

Established: 1979

Facilities: 19,000 sq. ft.

Quality Standards/Certifications:

- ITC is registered to ISO 9001
- ITC's Mechanical Testing Laboratory is accredited to ISO/IEC 17025 for specific tests
- ITC's Calibration Laboratory is ISO/IEC 17025 accredited by the Calibration Laboratory Assessment Service, a joint program of accreditation by the Standards Council of Canada and certification by the National Research Council of Canada

Principal Products and Services:

Product development and testing facility providing services to industry in the following areas:

- 3D Laser Scanning / Shape Capture
- 3D Printing / Additive Manufacturing
- Calibration
- Granite Table Resurfacing
- Custom Data Acquisition
- Vibration Durability Testing
- Mechanical Testing
- Modeling & Simulation
- Noise & Vibration
- Technology Introduction, Advocacy, Demonstration and Application
- Technical Information & Advice
- Industrial Applied Research Support

Special Equipment:

- Fortus 400mc Additive Manufacturing/3D Printer
- EXA Scan 3D laser scanner / MaxShot Optical Coordinate Measurement system
- Dimensional reference standards and calibration equipment
- Load and fatigue testing machines to 300,000 lbf
- Electro Dynamic Shaker and Slip Table
- Environmental exposure and corrosion testing chambers
- Sound and vibration measurement and analysis tools
- Full range of data acquisition transducers and signal conditioners
- FlexArc Welding and Material Handling Robotics and Automation cell
- Complete Product Lifecycle Management software suite

Major Clients:

Small, medium and large manufacturers

Industrial Technology Centre

200 – 78 Innovation Drive
 Winnipeg, Manitoba, Canada R3T 6C2
 Tel: 204-480-3333 | Fax: 204-480-0345
 Toll free: 800-728-7933
 Email: tech@itc.mb.ca
 Website: www.itc.mb.ca

Trevor Cornell, *Chief Operating Officer*



AEROSPACE

Employees: 200

Established: 2005

Facilities:

- Modern Flight Training Facility
- Two new hangars
- Student accommodations and dining facility

Principal Products and Services:

- Flying training and support
- Primarily for the Royal Canadian Air Forces
- Primary Flying Training
- Rotary Wing Training
- Multi-Engine Fixed Wing Training

Special Equipment:

- CT -120A Grob
- Bell 206 Jet Ranger
- Bell 412CF
- C-90B King Air
- Level D full motion Bell 412 Simulator
- Level D full motion King Air Simulator
- Full suite of Procedure and Desk-top Simulators

Major Client:

- Department of National Defence
- Royal Canadian Air Force



KF Aerospace - Contracted Flying Training & Support (CFTS)

55 Musketeer Road
 Southport, Manitoba, Canada R0H 1N1
 Tel: 204-428-2500 | Fax: 204-428-2501
 Email: p.fedak@kfaero.ca
 Website: www.kfaero.ca

Peter Fedak, *Site Manager*
Terese Schroeder, *Administration*
Bill Ryan, *Manager, Business Development*

LIBRESTREAM

Employees: 60

Established: 2003

Principal Products & Services:

Onsight collaborative video platform including software for mobile devices and computers, hardened smart cameras, and IoT hub devices.

Librestream brings the eyes and ears of experts into the field virtually to inspect, diagnose, and resolve issues immediately with its Onsight collaborative video platform. MRO teams can even connect test instruments such as borescopes and share specialized visuals within live Onsight sessions. Deployed on over 10 million devices globally, Onsight is optimized to perform in tough field situations, including ultra-low bandwidth, with proven enterprise grade security and controls.

Special Equipment:

- Onsight Connect software - Provides a fully collaborative experience for virtual experts to help troubleshoot, inspect, and rapidly resolve issues in the field. Onsight Connect runs on smartphones, tablets, smart glasses in the field and computers of experts.

- Onsight 400R Collaboration Hub – A unique device that connects and shares live video and images from speciality devices including non-destructive test instruments such as a borescopes or ultrasonic devices.
- Onsight Smart Rugged Cameras- A rugged camera designed to perform in extreme environments including Ex-certified locations. Remote teams (engineers & technicians) can share live video, telestrate, and remotely control the feed.

Major Clients:

Onsight is deployed across market leading OEM and Engine manufacturers, Airlines, and MRO service organizations as well as the US Military.

Librestream

Suite 110, 895 Waverley Street, Winnipeg, Manitoba

(204) 487-0612

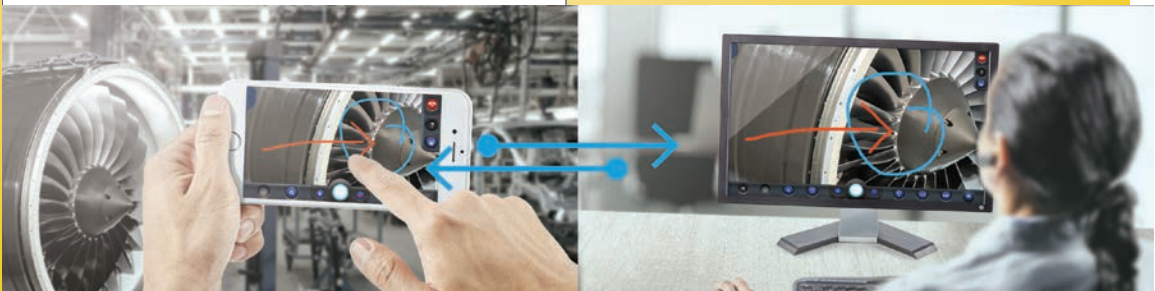
Email: Information@librestream.com

Website: www.librestream.com

Marieke Witjkamp, *VP Marketing & Client Services*

(204) 487-0612 ext 259

Marieke.Witjkamp@librestream.com





Employees: 700

Established: 1930

Facilities: 840,000 sq. ft.

Principle Products and Services:

- Aeroengine components manufacture and R&O
- Aerostructures component manufacture and assembly (composite and metal)
- Space science programs (manufacture of sounding rockets, small satellites, payloads, and space hardware)
- Wire Strike Protection System™ for helicopters
- Solid propellant rocket motors

Quality Standards/Certifications:

- ISO 14001:2004
- ISO 9001:2008
- AS 9100 Rev. C
- Nadcap

Major Clients:

- General Electric
- BAE Systems
- Rolls-Royce
- Lockheed Martin
- Airbus
- Sikorsky
- Various Air Forces in NATO, ASEAN, and Australasia
- DND
- Canadian Space Agency
- Bell Helicopter
- Macdonald, Dettwiler and Associates

Parent Company: Magellan Aerospace Limited



Photo credit: ©Magellan Aerospace

Magellan Aerospace, Winnipeg

660 Berry Street
Winnipeg, Manitoba, Canada R3C 2S4
Tel: 204-775-8331 | Fax: 204-775-2091
Website: www.magellan.aero

Paul Heide, *General Manager*
Magellan Aerospace, Winnipeg



Employees: 7

Established: 1946

Principal Products and Services:

- International & domestic charter service
- Aircraft maintenance and piston helicopters
- Manufacture fibreglass products
- Transport Canada MD-M services (Aircraft Importation and Export services)

Quality Standards:

- Transport Canada approval
- Transport Canada Supplemental type approvals
- FAA Supplemental type certificates

Maple Leaf Aviation Limited

Group 520, Box 16, R.R. #5,
Brandon Municipal Airport, McGill Field,
Brandon, Manitoba, Canada R7A 5Y5
(#3 Hangar, 455 Agnew Drive, Brandon)
Tel: 204-728-7618 | Fax: 204-725-1719
Email: mla@mlav.ca
Websites: www.aircraftspeedmods.ca -or-
www.mlav.ca

David Wall, *President & General*





Founded in 1985, MDS has steadily risen to a position of global prominence in the provision of turnkey test facilities and test systems for the aviation, industrial, and marine gas turbine engine community. From complete turnkey facilities to maintenance and operational support, for MDS there continues to be one underlying constant: a steadfast commitment to the provision of superior products and services to our clients around the world.

MDS, through its subsidiary, MDS AeroTest, is operating and maintaining the largest and most advanced cold weather test and research facility for gas turbines in the world. The Global Aerospace Centre for Icing and Environmental Research (GLACIER) in Thompson, Manitoba was designed and built by MDS. It is a joint venture between Rolls-Royce and Pratt & Whitney, two of the world's largest aerospace engine manufacturers.

GLACIER provides the world's aerospace industry with rugged, true-to-life and rigorous testing in adverse environmental conditions, with measurement and capacity for today's gas turbine engines and those of the future. The state-of-the-art GLACIER facility is designed to test the complete range of existing and future aircraft gas turbines. The facility has traditionally specialized in Icing Certification testing of civil aircraft engines, and more recently has undertaken endurance testing as well as other various engineering development testing activities. The centre also houses facilities for indoor preparation of engine packages, full engine measurement and

control. GLACIER's data acquisition system – MDS' market leading ProDAS – can measure over 2,000 separate parameters at varying frequencies from steady state to dynamic characteristics.

The facility is a ground-based open air test stand capable of testing a very wide range of gas turbine engines. As an engine-generic installation, it includes the infrastructure and test systems necessary for the introduction of both current and future aerospace engines. The subarctic weather conditions of Thompson, Manitoba, make it an ideal location for outdoor icing tests, low temperature endurance testing, cold soak, and other adverse weather testing of flight vehicles and their propulsion systems. With moderate weather conditions over the summer months, this facility is also ideal for other performance, endurance, and operability testing initiatives.

MDS AeroTest

100 Test Avenue, Box 1240
Thompson, Manitoba, Canada R8N 1N4
Tel: 204-778-6352
Website: <http://www.mdsaerotest.ca>

Troy Ramnath, *General Manager*



Facilities: 10,000 sq ft

Employees: 15

Established: 2001

Principal Products & Services:

- High Speed Camera Design
- High Speed Camera Sales
- High Speed Camera Rentals
- High Speed Camera Consulting

Special Equipment:

- Environment Test Chamber
- Vibration Shakers & G-Force Testing
- 3D Printing
- CNC Laser
- Milling, Drilling & Numerous
- Electric Test & Production
- Equipment

Major Clients:

- Naval Air Weapons Center
- National Research Center
- Northrop Grumman
- General Dynamics
- Raytheon
- SpaceX
- NASA Glenn Research Center
- General Electric
- Science North
- MOD
- Coco-Cola
- Proctor & Gamble
- Microsoft
- Michelin
- General Mills
- 3M



Mega Speed File Footage

Mega Speed Corporation

45 Main St, Unit B
 P.O. Box 1710
 Minnedosa, MB R0J 1E0
 Tel: 204-867-3767 | Fax: 204-867-3933
 Email: sales@megaspeedusa.com
 website: www.megaspeedusa.com

Mark Wahoski, CEO

Tel: 204-867-3767 Ext 212
 Email: mwahoski@megaspeedusa.com



Employees: 34

Established: 1994

Facilities:

- The MicroPilot Flight Test Facility is located 9 km north of Winnipeg, Manitoba, Canada
- The 10,000 square foot facility includes offices and production area
- Situated on 40 acres of land it is ideally suited for flight testing

Principal Products and Services:

- MicroPilot designs and manufactures miniature autopilots for UAVs and MAVs.
- Weighing 28 grams MicroPilot offers a full line of UAV autopilots, accessories, customization and training. Capabilities include airspeed hold, altitude hold, turn coordination, GPS navigation, plus autonomous operation from launch to recovery.
- Included is the HORIZONMP ground control software for mission planning, parameter adjustment, flight monitoring and mission simulation.
- New products are MP21283X triple redundancy for helicopter, and fixed wing, MP2128LRC2 integrated advanced autopilot and MP-trueHWIL Matlabbased hardware in the loop.

Quality Standards/Certifications:

- MicroPilot has devised rigid internal standards and testing for its products

Special Equipment:

- Anti static flooring
- Soldering and de-soldering
- Electronic and sensor equipment
- Signal sensing equipment
- GPS satellite and re-broadcasting equipment
- Calibration and vibration racks
- Environmental chamber
- Wireless weather station

Major Clients:

MicroPilot has over 850 customers in 70 countries

MicroPilot

P.O. Box 720
72067 Road 8E, Sturgeon Road
Stony Mountain, Manitoba, Canada
R0C 3A0
Tel: 204-344-5558 | Fax: 204-344-5706
Email: info@micropilot.com
Website: www.micropilot.com

Howard Loewen, *President*
Pierre Pepin, *Vice President Sales & Marketing*



Employees: 51

Facilities: 58,000 sq. ft.

Principal Products & Services:

Modern Manufacturing Limited is a CAD / CAM custom manufacturer, fabricator and assembler of precision aluminum, stainless steel, other high strength metals and steel products. Its capability includes laser and bending, stamping, MIG and TIG welding as well as in-house design, development, engineering, programming, and the manufacture of jigs, fixtures and other tooling all to MIL and other industrial specifications.

Quality Certifications:

- ISO 9001:2008
- Canadian Controlled Goods Program

Major Clients:

Includes OEMs in the aerospace, defence, transportation, electronic and other industrial sectors.

Modern Manufacturing Limited

15 - B Bury Street

Winnipeg, Manitoba, Canada R3E 2X7

Tel: 204-783-2272 | Fax: 204-772-2561

Email: esnow@modmanufacturing.com

Website: www.modmanufacturing.com

Ray Haydaman, *President*





Established in 2005, Neeginan College of Applied Technology is the post-secondary technical and vocational training division of (CAHRD) Centre for Aboriginal Human Resource Development Inc.

Neeginan College works closely with industry, business, government and partners with other post-secondary institutions to deliver programs that respond to labour market demand.

Neeginan College and CAHRD has a successful relationship with the aerospace sector. More than half its programming is in response to the sector's demand for training and a need for qualified employees. Currently the following programs are offered at Neeginan College:

- Carpentry
- CNC/CMM Operator
- GTRO
- Information and Office Administration Assistant
- Medical Device Reprocessing
- TIG Welding
- Industrial/Production Welding

Neeginan College is able to provide training on request and in the past has offered programs such as:

- Aerospace Manufacturing Technician
- Industrial Manufacturing Technician
- Machining

CAHRD is an Indigenous-led, non-profit organization that delivers Literacy, Education, Post-Secondary Training and Employment Services to the urban Indigenous population in Winnipeg. CAHRD will continue to meet the challenge of assisting Indigenous people to gain the skills they need to secure employment by – Creating Futures One Family at a Time.

Neeginan College of Applied Technology, division of CAHRD

403-181 Higgins Avenue
Winnipeg, MB R3B 3G1
Tel: 204-989-8860 | Fax: 204-989-8870
Email: college@abcentre.org
Website: www.cahrd.org



OIC Precision Labs

Facilities: 3,680 sq ft

Employees: 14

Established: 2010

Quality Standards/Certifications:

OIC PL is registered to ISO 9001

Principal Products and Services:

Product development and testing facility providing services to industry in the following areas:

- 3D Laser Scanning
- CAD Modeling
- Computational Simulation
- CMM Services
- Energy Dispersive X-Ray Spectroscopy
- Fused-deposition modeling 3D printing using various thermoplastics: (ABS & PC-ISO build materials)
- Load Frame Testing
- Mechanical Testing
- Pin-on-Disc Testing
- Profilometry
- Scanning Electron Microscopy

Special Equipment:

- Zeiss Prismo Navigator 795
- Zeiss Surfcom 2900SD2
- JEOL JSM-6610LV
- Instron E10000
- Shape Grabber SG42b
- Shape Grabber SG102b
- Thelkin Servo-Electric LF
- FORTUS 400mc 3D Production System

Major Clients:

Small, medium and large Manufacturers

OIC Precision Labs

320-1155 Concordia Avenue
Winnipeg, Manitoba, Canada R2K 2M9
Tel: 204-926-1290 | Fax: 204-940-2263
Email: info@orthooinno.com
Website: www.oicprecision.com

Martin Petrak, *President & CEO*

Dale Kellington, *B.Sc. (Phys),
VP Business Development*
dkellington@orthooinno.com

PARENTY REITMEIER

TRANSLATION SERVICES

Employees:

Located in Winnipeg, Parenty Reitmeier has 35 full-time employees managing projects and ensuring quality.

Established:

Since 1992, Parenty Reitmeier has worked with some of the world's most recognizable brands; providing expert translation and localization services. We translate millions of words per month in over 100 languages.

Principal Products and Services:

Translation and Localization: Over 850 professional translators worldwide

- Contracts
- Manuals
- Training materials
- E-learning
- Catalogs & brochures
- Financial reports
- Marketing & public relations material
- Websites
- And much more

Industry-specific expertise ensures that we provide the greatest cultural, technical and regulatory accuracy for each translation.

Desktop Publishing

Layout services for all projects in any file format including: Web-based content (for example, HTML, or Java Script) CMS-compliant file formats (for example XML or DITA)

- InDesign
- Illustrator
- Photoshop
- MS Word
- And more

We work with sophisticated translation memory technology and our secure client web portal, PPro Manager is a powerful management tool that clients can use to oversee their projects. We also provide voice-over for training videos, subtitling and motion graphics editing.

Quality Standards and Certifications:

IMDM™ – Integrated Multilingual Data Management™

Major Clients:

Include equipment manufacturers and exporters, environmental research, software developers, various levels of governments and many other public and private institutions. They rely on us to deliver their message accurately and efficiently.

Our reputation is second to none.

Parenty Reitmeier Translation Services

Tel: 204-237-3737 | Toll Free: 1-877-445-3737

Email: contact@prtranslation.com

Jean-Pierre Parenty, *President*

**Employees:**

- 530 Employees
- 105 Pilots

Facilities:

Main bases located in Winnipeg and Thompson, MB with business offices, passenger terminals, aircraft hangars, and full service aircraft maintenance facilities.

Satellite offices are located in each community that receives daily scheduled flights.

Principal Products and Services:

A subsidiary of the Exchange Income Corporation (EIC), Perimeter Aviation is the largest independent airline in Manitoba with the largest fleet of Metro aircraft in Canada, capable of providing the following flight services for its customers:

- Daily scheduled flights to over 20 remote communities in Manitoba and North Western Ontario
- Custom charter flights to any destination in North America
- Aeromed emergency air ambulance flights for the Manitoba Health Emergency Services Branch within Manitoba, or custom air ambulance charters anywhere in North America
- Cargo shipping, including the transportation of dangerous goods
- Certified aircraft maintenance

Aircraft:

- Dash 8-300
- Dash 8-100
- Metro 3
- Metro 2
- Merlin

**Perimeter Aviation**

Winnipeg Base Contact:

626 Ferry Road

Winnipeg International Airport

Winnipeg, MB R3H 0T7

Tel: 1-800-665-8986

Website: www.perimeter.ca



PointMan Canada Ltd

Established: 1999

Principal Products and Services:

PointMan Canada Ltd has been providing high quality consulting services to the aerospace, defence and high technology sectors since 1999. PointMan has worked with a large number of private and public sector organizations, providing business development, relationship building, strategic and investment planning, and business representation services. On June 1st, 2015, the PointMan Principal, Bob Hastings, assumed the responsibilities of President and CEO of West Canitest R&D Inc (WestCaRD).

Government organizations to which consulting services have been provided include:

- National Research Council,
- Industry Canada (13 contracts),
- PWGSC (5 contracts),
- DND/DRDC (6 contracts),
- Office of Critical Infrastructure Protection and Emergency Preparedness,
- Treasury Board Secretariat/ Chief Information Officer,
- Canadian Space Agency, and
- DND/DGAEPM (2 contracts)

Private Sector organizations served, many over numerous years or repeat contracts, include:

- West Canitest R&D Inc (WestCaRD)
- StandardAero (8 years)
- GE Aviation
- Canadian (EnviroTREC)
- MDS Aero Support
- CAMC
- L3/SPAR Aerospace
- P&M Associates
- CaseBank Technologies (5 years)
- Tricom Technologies
- Magellan Aerospace
- Mxi Technologies
- Prior Data Sciences/xwave solutions
- Bosik Consultants

PointMan Canada Ltd

Tel: 204-669-9243 | Cell: 204-805-3625
 Fax: 204-669-9376
 Email: bhastings@pointman.ca
 Website: www.pointman.ca

Bob Hastings, *President*



Facilities: 18,700 sq ft

Employees: 11

Principal Products and Services:

- Precision ADM (PADM) identifies, develops and manufactures high value components and device applications for the medical, aerospace, space agencies, energy and industrial sectors.
- Advanced Digital Manufacturing
- Laser Metal Additive Manufacturing
- 3D Printing
- CNC 5 axis Machining
- Wire EDM
- Additive Manufacturing Design & Consulting Services
- Scanning and Inspection Services
- AM Part Designs, Optimization, Simulation and Re-Design
- Research and Product Development

Special Equipment:

- EOS DMLS Metal 3D Systems
- Nakamura NTRX-300, Cut 30P Submerged Wire EDM
- Zeiss PRISMO Navigator 795
- Faro Arm
- Ai600 laser scanning system
- Heat Treating System
- Scanning Electron Microscopy Surfcom 2900SD2
- Fortus 400mc 3D printer

Precision ADM

Unit A-1595 Buffalo Pl.
Winnipeg, Manitoba, R3T 1M1,
Tel: 204-289-4491
Toll free: 855-500-PADM (7236)

Suite 300-160 Quarry Park Blvd SE
Calgary, Alberta T2C 3G3T
Tel: 403-570-8514

Minneapolis, MN, USA
TEL: 952-240-9717

Email: info@precisionadm.com
Website: www.precisionadm.com

Martin Petrak, *President*
mpetrak@precisionadm.com

Derek VanDenDriessche, *Director Sales Marketing*
dvan@precisionadm.com

Jim Bartel, *Chief Operating Officer*
Jbartel@precisionadm.com

ProWearGear.com Inc.

Employees: 4

Established: 2001

Quality Standards/Certifications:

- Blade-Spike Soft Body Armor Certified to National Institute of Justice (NIJ-USA) Spike Levels 1, 2 and 3 (highest protection level at 65 joules energy with 11 foot drop)
- Staff: Master of Science in Garment Engineering-Textile Chemistry, with 30+ years of experience; member of Canadian Military, Soldier Systems Working Group to develop new Combat Gear

Principal Products & Services:

- This Blade-Spike Soft Body Armor is unique and new to market; designed for law enforcement, military and security application; Superior Protection for officers, K-9's and equine
- Designed to be worn alone or with Ballistic Gear because single purpose Ballistic vests do not protect against blade and spike threats
- Armored Gear is Light, Thin, Flexible and Fire Retardant (FR); this Concealed, Integrated and Expandable is a Build-Up System
- ProWearGear is built with Ultra-Guard, a patented fabric technology developed to reduce internal bruising from blade, spike, animal (dogs, snakes), needles, environmental (cactus, brush, mesquite, etc.) and building threats (barb, razor, chain link, etc.)

- Custom Designs and Standard Gear are built to mil spec with a five year life expectancy
- Armored Gear with Full and Partial Body protection includes Coveralls, Bibs, 360 Vest and T-Shirts both with full side and underarm protection; Duty Jackets with hoods; Gaiters, Gauntlets (full and hand); Neck Guard and other special equipment on request
- External Shell: will incorporate existing agency outer shells or Pro Wear Gear manufactured shell in standard or FR fabrics with optional reflective trims
- Manufactured in Canada and USA in sizes small to 5XL for male and female contours

Major Clients:

Law Enforcement, Military, Corrections, Security in Canada and USA

Pro Wear Gear Inc

Head Office: 59 Barbara Cr.
Winnipeg, Manitoba R3R 2Y4
Toll Free: 1-888-881-5959
Email: Protect@proweargear.com
Web Site: www.proweargear.com

Linda 'Laz' Lazarowich, M.Sc., President/CEO
Cell/Text: 204-488-1959
Email: laz@proweargear.com



Facilities: 55,000 sq. ft., Winnipeg /
25,000 sq. ft., Southport

Employees: 22 in Winnipeg /
9 in Southport

Principal Products and Services:

Delivery of:

- Aircraft Maintenance Journey person Apprenticeship Training Program (AMJ)
- Aircraft Maintenance Engineer Diploma Program (AME M)
- Gas Turbine Engine Repair and Overhaul
- Aerospace Manufacturing Technician Program (Composites Training)
- Non-Destructive Testing
- AME Refresher/Recurrent Training
- Human Factors Training
- Canadian Aviation Regulations Training (CARs)
- Customized training for industry

Quality Standards/Certifications:

- Transport Canada approved Aircraft Maintenance Engineer (AME) programs
- Canadian Council for Aviation and Aerospace (CCAA) approved AME and Gas Turbine Repair and Overhaul (GTRO) programs
- CGSB : Non Destructive Testing and Training Centre

Special Equipment:

- Wide variety of aircraft, engines, and training aids at both facilities
- Composites manufacturing 'model factory'
- Airside access - both locations
- Non-destructive testing lab

Major Clients:

- Standard Aero
- Boeing Canada Operations Ltd.
- Large and small Manitoba and Approved Maintenance Organizations

Red River College – Stevenson Campus – Aviation and Aerospace

Winnipeg Campus

2280 Saskatchewan Ave
Winnipeg, Manitoba, Canada R3J 3Y9
Tel: 204-945-6001
Email: stevensonaviation@rrc.mb.ca

Southport Campus

75 Muskateer Road West
Box 237, Hangar 4
Southport, MB R0H 1N0
Tel: 204-428-6300
Email: stevensonaviation@rrc.mb.ca
Website: www.rrc.mb.ca/stevensonaviation/

Don Macdonald, *Dean, Transportation
Aviation and Manufacturing*
204-632-3990

Neil Lavoie, *Chair, Aviation and Aerospace*
204-945-6001 Ext 6401



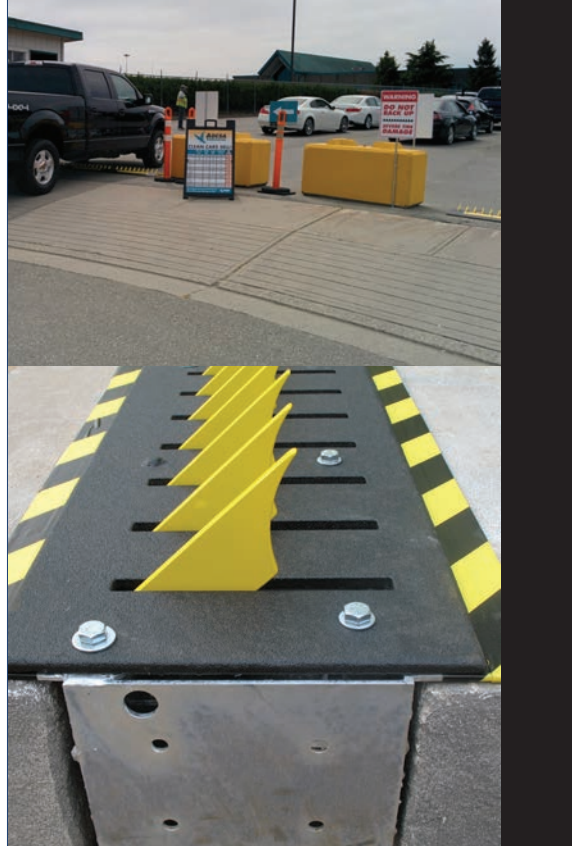
Employees: 3

Roadshark International Inc has established its reputation for providing durable traffic barriers used to enforce one-way traffic conditions. We also build spike barriers used for access control for security applications. Continuous improvement and being flexible to our customers' needs has helped us to grow.

We provide Made in Manitoba solutions to traffic and security problems worldwide. Roadshark has provided security equipment to the 2008 Beijing Olympics, camp victory in Baghdad Iraq and various infrastructure projects in Egypt, Kuwait and Mexico.

Major Clients:

- United States Air Force (USAF)
- Canada Border Services Agency (CBSA)
- Adesa Auto Auctions
- Home owners associations (gated communities) and various industrial sites worldwide.



Roadshark International Inc

1-1596 Regent Ave W, Suite 321
Winnipeg, Canada R2C 5H9
Tel: 204-782-9407 | Fax: 204-224-1217
Email: team@roadshark.com
Website: www.roadshark.com

Leah Mateychuk, V.P.

ALWAYS ON GUARD™



Employees: 12

Established: 2006

Principal Products & Services:

Setcan® Corporation is the world's largest provider of reality based training products and Instructor level certifications for law enforcement, military and security organizations.

The Setcan® team has developed, commercialized and patented many new products including the world renowned Shockknife® and StressVest®. The Shockknife® is the only training knife in the world capable of inducing the necessary fear and acute stress required for realistic and effective training. StressVest® is the manufacturer and patent holder of the world's first non projectile, force on force, firearm tactical training system capable of creating stress through a pain penalty without fear of projectile injury for training Law Enforcement Officers and Military Soldiers. The system utilizes training firearms that fire a laser pulse which activates the StressVest® when it strikes center mass. Depending on the setting, the vest will either deliver a vibration or a safe, localized shock to the abdomen. In addition Setcan® offers consulting services on reality based training to law enforcement and security agencies and operates the largest private law enforcement training center in Canada.

Major Clients:

US Military, US Federal Law Enforcement Training Center, US Secret Service, US Navy, US Pentagon Police, US FBI, NY/NJ Port Authority, Vancouver Police Department, RCMP, Edmonton Police Service, Australian Federal Police

Shockknife™
How REAL is your TRAINING?
Let our knives SHOCK you!

REALITY BASED TRAINING
JUST GOT REAL
STRESSVEST™
The world's first non-projectile, reality based tactical training system capable of creating a pain penalty.

StressVest™ Advantages:

- Adjustable Pain Penalty™
- No Projectiles
- Significant Cost Savings
- No Clean Up
- Dry Fire, CO₂ Recoil, or Blank Fire
- Registers Hits Through Windows/Windshields
- Vibrates Mode for Role Players
- Accurate Shooting Distances
- Move to Cover Mode
- Injured Officer Mode
- IED Integration

*Safe Non-Impact Shock. Maximum 4500 volts with two Real 1" electrodes.

Force on Force Firearm Training Comparison

| | Non Projectile | Realistic Weapon Systems | Realistic Weapon Systems |
|----------------------------------------|----------------|--------------------------|--------------------------|
| No Eye Protection Required | ✓ | ✓ | ✓ |
| Creates Stress | ✓ | ✓ | ✓ |
| No Body Protection Required | ✓ | ✓ | ✓ |
| Method to Record Hits | ✓ | ✓ | ✓ |
| No Clean Up | ✓ | ✓ | ✓ |
| Dry Fire Options | ✓ | ✓ | ✓ |
| Injured Officer Simulation | ✓ | ✓ | ✓ |
| Can "Shoot" Through Glass | ✓ | ✓ | ✓ |
| Adjustable Pain Penalty | ✓ | ✓ | ✓ |
| Accuracy of Distance | ✓ | ✓ | ✓ |
| Instructor Initiated Remote Activation | ✓ | ✓ | ✓ |
| IED Integration | ✓ | ✓ | ✓ |

www.stressvest.com

SetCan

1080 Kingsbury Ave.

Winnipeg, MB, R2P 1W5

Tel: 204-336-0011

Email: info@setcan.com

Website: www.setcan.com

www.stressvest.com | www.shockknife.com

Rory Bochinski, President

Tel: 204-336-0011

Email: rbochinski@setcan.com



Employees: 31

Established: 2012

Facilities: Sightline is headquartered in Winnipeg, Manitoba, with offices in Toronto and San Francisco.

Principal Products and Services:

qcVerify for Construction and Manufacturing industries

Sightline Innovation is Canada's largest machine-learning company, focused on delivering integrated photonics and AI solutions to disrupt and optimize existing legacy quality inspection processes in construction and manufacturing.

Sightline Innovation

300-136 Market Avenue
Winnipeg, Manitoba R3B 0P4

Jody White, *Vice President, Communications*
jwhite@sightlineinnovations.com
Tel: 416-628-7095





Employees: 20

Facilities: 607 hectares

Established: 1990

Principal Products and Services:

- Southport is a Property Management and Development Company supporting aviation, training and commercial initiatives.
- By understanding the needs of tenants, Southport is able to provide new or existing facilities tailored to their business.
- Southport is a very active aerospace operation with a Transport Canada approved airport and air traffic control tower.
- The prime tenant, KF Aerospace Defence Programs, operates the 3 Canadian Forces Flying Training School, which delivers pilot training for the Royal Canadian Air Force. The airport is serviced by an operational VFR tower with IFR services, including a NDB, VOR, DME and ILS (replaced in 2016). There are four asphalt runways at Southport, the longest being 7,000 feet.
- Southport has invested over \$100 million in the site since incorporated, including airfield upgrades, new facilities and infrastructure upgrades.
- Southport has developed value added services; a new state-of-the-art recreation facility, short and long-term accommodations, available to the public to promote a balanced lifestyle.

- With an existing 16,000 sq ft building with direct airside access, there are a wide variety of business opportunities including aircraft manufacturing, aircraft maintenance engineering, aviation technology and airport equipment overhaul and refinishing.
- Over 81 hectares on airside and groundside building sites are available for commercial and airside development. Existing facilities may be leased and customized to accommodate specific requirements.



Southport Airport and Commercial Properties

25 Centenaire Drive
 Southport, Manitoba, Canada R0H 1N1
 Tel: 204-428-6030 | Fax: 204-428-6036
 Email: info@southport.ca
 Website: www.southport.ca

Peggy A. May, *Chief Executive Officer*



Standard Manufacturers Services Limited

Employees: 100

Established: 1982

Facilities: 75,000 sq. ft.

Principal Products and Services:

- Aluminum Castings
 - 2 – 120 Lb castings
 - 300 Series Alloys
- Machining
 - High Speed 5 Axis
 - Large Capacity Horizontals
- Rapid Prototyping
 - SLA
 - 3D Printing
 - Welding
 - Aluminum & Steel
- Assembly & Testing

Quality Standards/Certifications:

- ISO 9001:2008
- Controlled Goods Certified
- CWB Certified CSA W47.2

Industries Served:

- Aerospace
- Military
- Transportation
- Energy



Standard Manufacturers Services Ltd.

691 Golspie Street
Winnipeg, Manitoba, Canada R2K 2V3
Tel: 204-956-6300 | Fax: 204-661-4613
Email: info@standardmanufacturers.com
Web: www.standardmanufacturers.com

Rolf Gretschmann, *President*



Employees: 3,700 worldwide (1,350 in Manitoba)

Established: 1911

Facilities:

- Canada: Winnipeg, MB; Vancouver, BC
- USA: Scottsdale, AZ; Los Angeles, CA; Dallas, TX ; Houston, TX ; San Antonio, TX; Springfield, IL; Cincinnati, OH; Maryville, TN; Concord, NC; Augusta, GA
- International: Tilburg, Netherlands; Woensdrecht, Netherlands; Singapore, Singapore; Sydney, Australia

Principal Products and Services:

Engine Maintenance, Repair and Overhaul for:

- Pratt & Whitney Canada PT6A, PW100, PW600 engines
- Rolls-Royce 250, RR300, T56/501D, AE2100, AE3007 engines
- General Electric LM1600, CF34, CFM56 engines
- Honeywell TFE731, TPE331, CF738, HTF7000
- Honeywell 36 and RE220 Series APUs
- Hamilton Sundstrand 54H60 propellers and APS2300 APU

Component Repair for:

- General Electric CF34, CFM56, CF6, GE90,
- IAE V2500
- Pratt & Whitney F100, PW2000, PW4000

Business Aviation Paint, Interiors, Airframe Modifications, Avionics, Airframe Completions.

Quality Standards/Certifications:

Transport Canada AMO, Transport Canada DAO, FAA, EASA, ISO 9001:2008 /AS9110B, ISO 14001:2004

Special Equipment:

Engine Testing, Machining, Vacuum Brazing, Plating, Aluminide Coating, Fluoride Ion Cleaning, Robotic Plasma Spray, Laser Systems, Water Jet Stripping, High speed tip grinding And Advanced NDT

Major Clients:

Our major clients include some of the world's foremost airlines, military & governments, business aviation, helicopter, and marine & industrial operators.



Standard Aero

33 Allen Dyne Road
Winnipeg, Manitoba, Canada R3H 1A1
Tel: 204-318-7817 | Fax: 204-272-0190
Email: kim.hooke@standardaero.com
Web Site: www.standardaero.com

Kim Olson, Senior Vice President

TARRY & ASSOCIATES LTD.

Management
Consultants

Established: 1978

Principal Services:

The primary services offered to private sector clients include:

- Strategic, business and project planning
- Market research
- Investment feasibility investigations
- Organizational development (operational reviews, human resource development)

Services for public sector clients include:

- Economic development (feasibility studies; project and program planning, management and evaluation)
- Human resource development (labour market studies, educational institute programming and organizational development, training needs and training supply assessments)

Major Clients:

Tarry & Associates Ltd. has conducted in excess of 250 assignments for a variety of clients including numerous aerospace and aviation organizations. Aerospace sector clients have included:

- Boeing Canada
- Bristol/Magellan Aerospace
- StandardAero
- Cormer Aerospace
- Carlson Engineered Composites
- Southport Aerospace Centre
- Winnipeg Airport Authority
- St. Andrews Airport

Clients also include many organizations that are part of the ecosystem that supports the aerospace sector including:

- Manitoba Aerospace Inc.
- Western Economic Diversification
- Manitoba Jobs and the Economy
- Economic Development Winnipeg
- Composites Innovation Centre
- NRC Industrial Research Assistance Program
- Red River College
- Stevenson Aviation and Aerospace Training Centre
- Apprenticeship Manitoba

Of particular note, Tarry & Associates conducted the fundamental economic development feasibility studies and provided start-up support for the establishment of three significant organizations:

- Southport Aerospace Centre
- Stevenson Aviation and Aerospace Training Centre
- Composites Innovation Centre

Tarry & Associates Ltd.

27 Jewett Bay
Winnipeg, MB R3R 2M9
Office: 204-895-8710 | Cell: 204-802-0031
Office email: rtarry@shaw.ca
Tablet email: tiatarry@icloud.com

Bob Tarry, President



UNIVERSITY OF MANITOBA

As the first university established in western Canada, the University of Manitoba has been at the centre of research in Manitoba for more than a century. From the development of canola and advances in wireless communication, to the prevention of Rh disease of the newborn and breakthrough discoveries concerning the transmission of HIV/AIDS, our researchers have made contributions that have had a global impact.

University of Manitoba scientists, engineers, artists and scholars are finding innovative solutions to many of the challenges facing Canada and the world in the 21st century. With the support of our partners in research, including governments, business and industry, and community organizations, they are discovering new ways to improve our health, increase our understanding of ourselves and our world, advance our technology, strengthen our communities and protect our environment.

Manitoba is home to great companies with great ideas. With additional research on product development and operations processes, those great ideas can be transformed into further business successes. The University of Manitoba's new Transformational Partnerships approach actively supports industry in making those innovation leaps through collaborative research and development partnerships.

The Technology Transfer office is ready to facilitate your connections with the University of Manitoba.

University of Manitoba - Technology Transfer Office

Technology Transfer Office
University of Manitoba
631 Drake Centre
181 Freedman Crescent
Winnipeg, Manitoba, Canada R3T 5V4
Tel: 204-474-6200 | Fax: 204-261-3475
Email: tto@umanitoba.ca
Website: <http://umanitoba.ca/research/tto/>

Darren Fast, Ph.D.
Director of Technology Transfer



Established: 2011

Principal Products and Services:

Through both collaborative and single party projects to:

Stimulate and facilitate strategic applied research, development, test evaluation, technology demonstration and commercialization opportunities in Manitoba;

Expand, and expand from, Manitoba's unique test and developmental facilities and expertise to meet emerging market requirements and technology drivers in aerospace and other market sectors where synergies between those sectors and aerospace exist;

Promote and support the development of the human capital necessary to manufacture, support and test emerging materials, technologies, products and processes in Manitoba and in Western Canada;

Be a Manitoba commercialization team builder, enabling collaboration between large and small Manitoba, Canadian and international entities, government economic development agencies, and industrial research and technology development organizations; and

Strengthen Manitoba's industrial and technology base by promoting international cooperative enterprise.

Major Clients:

- StandardAero
- General Electric Canada (GEC)
- GE Aviation
- GE-Unison
- National Research Council of Canada
- Western Economic Diversification Canada (WD)
- Province of Manitoba
- University of Manitoba
- Red River College



WestCaRD (West Canitest R & D Inc.)

Tel: 204-669-9243 | Cell: 204-805-3625

Fax: 204-669-9376

Email: bob.hastings@westcard.ca

Website: www.westcard.ca

Bob Hastings, CEO



WINNIPEG
AIRPORTS AUTHORITY

Named one of Manitoba's Top Employers for the fifth consecutive year, Winnipeg Airports Authority is a non-share capital corporation responsible for the management and operation of Winnipeg Richardson International Airport, a full-service airport providing passengers and cargo clients access to markets across Canada, the United States, Mexico, the United Kingdom and the world.

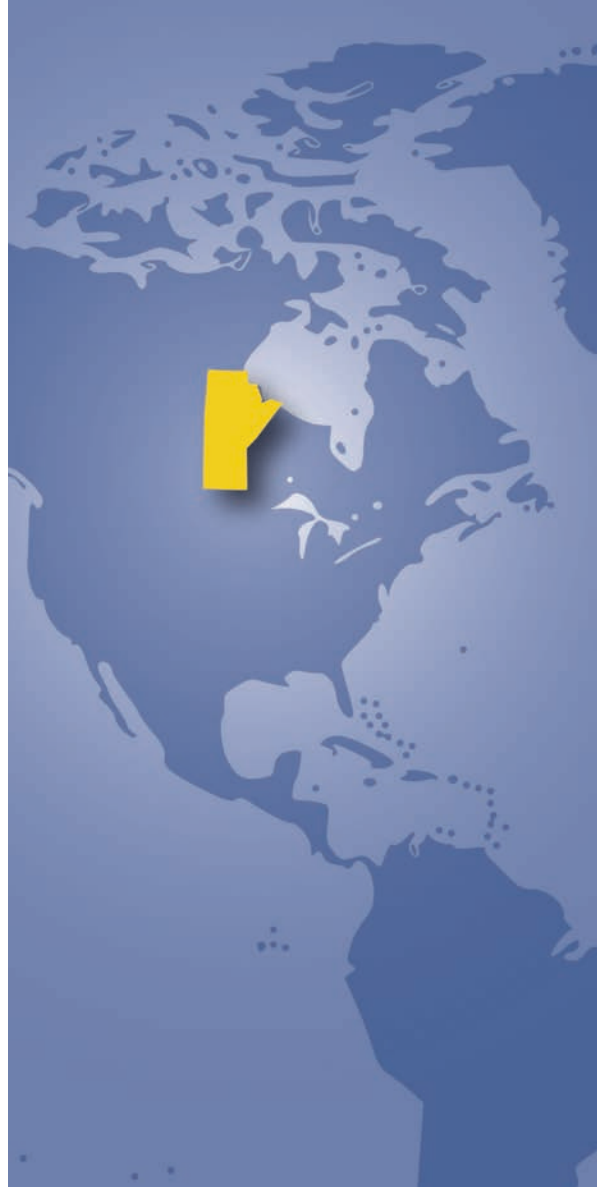
Located at the geographic centre of North America, with round-the-clock operations, Winnipeg Richardson International Airport is the number one dedicated freighter airport in Canada as measured by the number of flights. The airport generates over \$3.6 billion in total economic output and welcomes over 3.78 million passengers annually.

Vision: To lead transportation innovation and growth

Mission: With our community, we provide excellent airport services and facilities in a fiscally prudent manner

Values: Respect, Integrity, Service, Excellence

Airlines: Air Canada, Air Transat, Bearskin Airlines, Calm Air, Delta Airlines, First Air, Sunwing, United Airlines, WestJet



Winnipeg Airports Authority Inc.

249-2000 Wellington Avenue
Winnipeg, Manitoba R3H 1C2
Tel: 204-987-9400 | Fax: 204-987-9401
Website: www.waa.ca
Twitter: @YWGairport



Principle Products and Services:

- Operational Strategy
- Human Capital and Technology Consulting
- Enterprise Risk Services
- R&D and Government Incentives
- Financial advisory
- Domestic and International Taxation
- Corporate governance
- Assurance & Advisory

Deloitte, one of the world's leading professional services firms, is the brand under which tens of thousands of dedicated professionals in a network of member firms throughout the world collaborate to provide audit, tax, consulting and financial advisory services. With a global workforce of approximately 245,000 across over 150 countries and territories, we provide our services to the world's largest corporations, as well as to major national companies, public institutions and emerging growth companies.

In Canada, Deloitte employs more than 8,300 employees in 57 offices. Approximately 190 of those employees operate out of the Winnipeg office where we offer a complete array of professional services.

With a network of offices across the country, our presence translates into significant added value for our clients, who benefit from the geographical proximity of our offices and deeper insight into their realities. We understand the significant trends in the aerospace industry – and the strategic implications inherent in addressing your challenges and pursuing opportunities. We have a track record for helping our aerospace clients drive their businesses forward. We don't just read about industry trends – we stay one step ahead of them to help you unlock hidden value for your organization.

Deloitte

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ECONOMIC DEVELOPMENT WINNIPEG

Economic Development Winnipeg Inc. (EDW) is the lead economic development agency for Winnipeg. EDW facilitates investment promotion and attraction, capacity building, tourism development, marketing and the management of market information.

By applying competitive intelligence and by fostering relationships with industry leaders, government officials and community stakeholders, potential opportunities and innovation drivers are evaluated to develop key industries and define future economic growth. EDW supports targeted sector development and promotes Winnipeg's diverse economy and high quality of life.

EDW leads global investment attraction, and local business retention and expansion, with its Yes! Winnipeg initiative. Yes! Winnipeg's business development team assists in the creation and retention of jobs, identifies opportunities that attract new investment, focuses on expansion and helps local entrepreneurs launch new commercial ventures.



Economic Development Winnipeg (EDW)

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Website:
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Global Affairs Canada

Trade Commissioner Service

Affaires mondiales Canada

Service des délégués commerciaux

Manitoba firms can benefit from investment and innovation to enhance their productivity and competitiveness, strengthen their competitive advantage, and enable them to develop markets in the United States and further afield.

Our trade commissioners can provide your business with trade, investment and innovation opportunities. The Trade Commissioner will develop a first-hand understanding of your business needs and help connect you to international opportunities and contacts to meet those needs, at no charge to you.

Global Affairs Canada - Trade Commissioner Service

Sandy Beyko, *Trade Commissioner,
Aerospace and Defence
Prairies and Northwest Territories Regional
Office*
Email: sandy.beyko@international.gc.ca
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Manitoba Aerospace Inc. is a not for profit sector association that works to connect the local aerospace and defence industries to national and international markets and also aims to develop a world-class workforce to meet industry's needs through partnerships with local and national educational institutions and other key stakeholders. Manitoba Aerospace also supports the "learner to world class" Competitive Edge Supplier Development (CESD) program.

AEROSPACE & DEFENCE IN MANITOBA

Manitoba has the largest aerospace sector in Western Canada and the third largest in the country. A supportive business environment, award winning educational and applied research collaborations, and a cluster of research and technology organizations support a culture of innovation and the development of a world-class workforce in Manitoba's aerospace and defence industries. Sophisticated training, world class education (at the secondary and post-secondary level) and transportation infrastructure provide further industry support. Aerospace is one of the fastest growing sectors in the province with over \$1.9 Billion in sales each year.

In Manitoba, the aerospace manufacturing industry encompasses civil and defence activities as well as space systems applications. The sector includes Canada's largest manufacturer of structural composite aircraft components, the world's largest privately owned facility for the repair and overhaul of turbine engines, and Canada's only solid rocket propellant manufacturing plant. The sector's capabilities also include: composite manufacturing; engine repair and overhaul; electronic product design and manufacturing; precision machining; precision sheet metal fabrication, plating and coating operations, cold weather engine testing and advanced digital manufacturing.

Manitoba Aerospace Inc.

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Website: www.mbaerospace.ca
Facebook/Instagram: ManitobaAerospace
Twitter: @mbaerospace
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Wendell Wiebe, *Chief Executive Officer (CEO)*

Tel: 204-272-2952

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The Manitoba Government works with companies and industry associations to support industry development and business growth. This activity supports technology development/adoption for improved productivity, competitiveness, and market expansion. Manitoba supports the business development needs of existing Manitoba businesses and companies considering investment in Manitoba.

Through partnerships with business, industry and labour to enhance workforce skills and knowledge, Manitoba also promotes business and industry-related human resource development to create a highly skilled, knowledgeable and adaptable workforce in Manitoba

Manitoba Government

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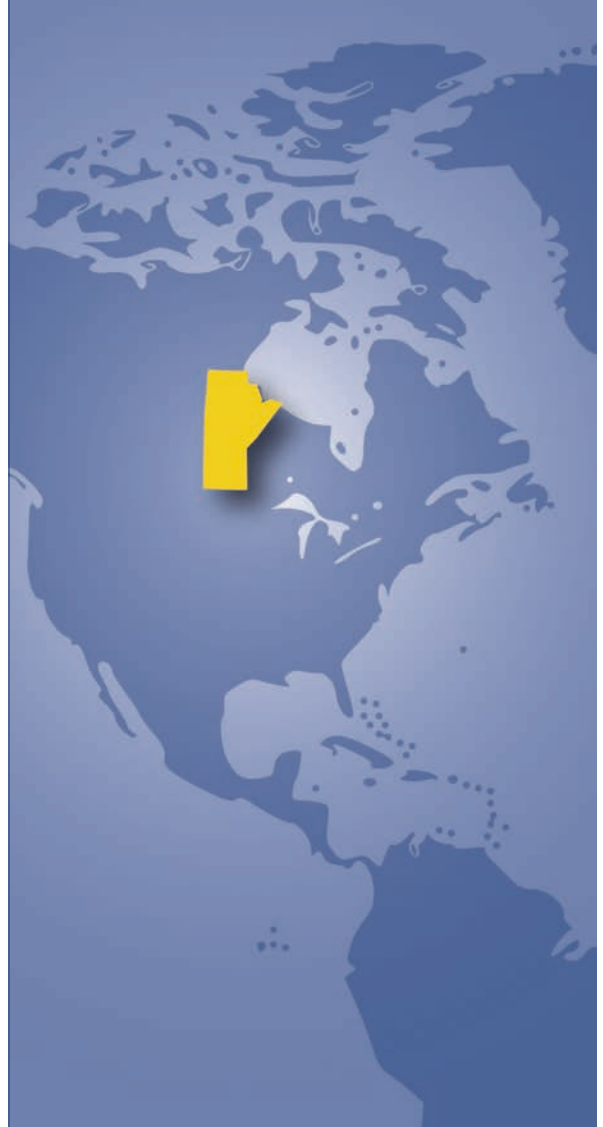




Thompson Dorfman Sweatman LLP (TDS) is a leading Manitoba-based law firm, providing legal services to its clients locally, nationally and internationally. The full-service firm's 85+ lawyers provide services in over 20 areas of the law and deliver corporate development services through its strategic partner Acumen. TDS is also the exclusive member firm in Manitoba for Lex Mundi – the world's leading network of independent law firms with in-depth experience in 100+ countries worldwide. TDS offers services in English, French, Portuguese and Italian.

TDS lawyers understand the aerospace and manufacturing industries and are actively involved in the industry where our clients operate. We are members of the Manitoba Aerospace Association and Canadian Manufacturers & Exporters (CME). Our lawyers assist our aerospace and manufacturing clients in areas including:

- Business Immigration
- Contract Negotiations
- Environmental Compliance
- Commercial Disputes
- Financing
- Intellectual Property (IP)
- Labour & Employment
- Mergers & Acquisitions (M&A)
- Property & Development
- Tax Dispute Resolution with the Canadian Revenue Agency (CRA), including SR&ED tax credits



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Mark E. Howe, *Director of Marketing & Professional Development*



Western Economic Diversification Canada (WD) works to strengthen western innovation, business development, and community economic development. By continuing to promote new economic opportunities, WD is helping to create jobs, economic growth, and long-term prosperity.

Western Economic Diversification Canada (WD)

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Manitoba, Canada



Come chill with us!



Manitoba is home to a host of complementary world class aerospace companies that play a vital role in the global aerospace industry. Manitoba provides strategic advantages to the aerospace industry: a network of collaborating companies, a solid workforce, tailored education programs, international R&D capabilities, supportive governments, and an ideal geographic location. Together, these factors create a thriving and globally competitive business environment.

If your company is looking for a partner with access to North American markets and advanced aerospace technology, look to the Manitoba aerospace industry. If you are seeking a cost-competitive site to do business, look to Manitoba, Canada. If you need a source of aerospace component manufacturing or engine maintenance services, engine icing and other environmental testing, or composite materials manufacturing or R&D, look to Manitoba companies.

For more information on Manitoba aerospace opportunities and our positive business environment, contact:

Manitoba Aerospace Inc.

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Manitoba Government

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