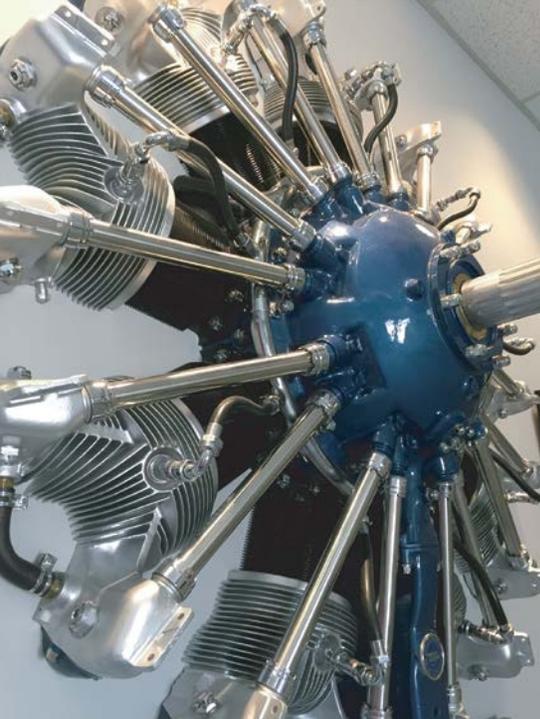
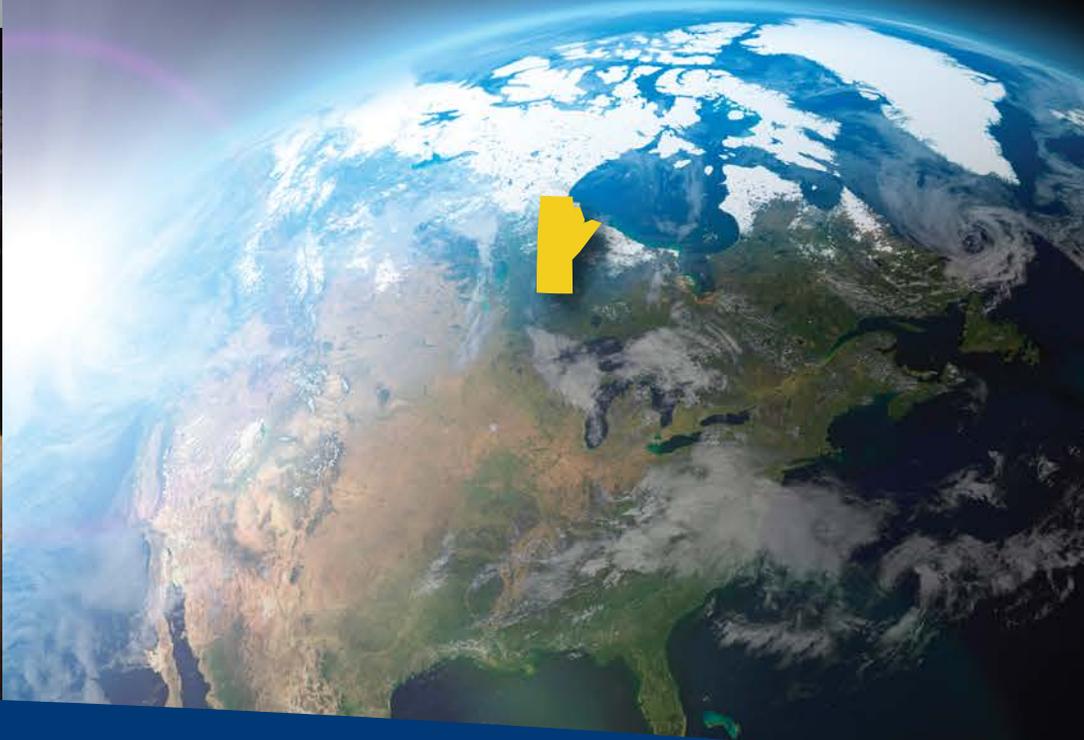


Where Vision Takes Flight



MANITOBA  AEROSPACE

Annual Report 2020





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Special thanks to the following companies for the images used in the AGM report.

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Economic Development
Winnipeg

All photographs in the report are taken by Ellice Gan, unless otherwise stated.

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CALLING FOR NOMINATIONS

If you know an individual, team, or organization, whether on the shop floor, administration or in management that has gone beyond the call of duty over the past year and deserve recognition, now is the time to nominate them for this year's awards.

DEADLINE FOR NOMINATION
October 15, 2020

More info: <http://bit.ly/2ZmjT7g>
Download the Nomination Form at <https://bit.ly/2XU7iKG>

Contact info:
Wendell Wiebe
Chief Executive Officer, Manitoba Aerospace
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2020

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MESSAGE FROM THE CEO

Wendell Wiebe



Manitoba Aerospace's fiscal year ended on March 31, 2020 just as COVID-19 was impacting the world like no other virus in our lifetimes. Since mid March until mid August, I have participated in 31 Stakeholder meetings with representatives from Manitoba's Economic Development and Training, to provide feedback from our respective industries on the Manitoba's Government responses to address COVID-19.

Lots has been happening at Manitoba Aerospace since the last annual general meeting, not the least of which is that our membership has grown. Perimeter Aviation has joined as a full member and the Business Development Bank of Canada, Belcan, Bright Immigration, Dumur Industries, M3 Aerial Productions, Manitoba Institute of Trades and Technology (MITT), Royal Aviation Museum of Western Canada, and Signium have all joined as Associate Members. It is my pleasure to welcome all our new members! There are write ups on each of these organizations later in this report.

During 2019-2020, Manitoba Aerospace met on six occasions with either Federal Members of Parliament or Provincial Members of the Legislative Assembly. Each meeting was to promote awareness of the positive economic impact of the Manitoba aerospace and defence industry on the economy as well as to identify ways the respective governments could support the sector.

On behalf of the industry, we attended 10 different conferences/trade shows to promote our local members. Most notably, CANSEC (Ottawa), Paris International Air Show, ADSE (Abbotsford), DEFSEC Atlantic (Halifax) and the PNAA (Seattle). In partnership with AIAC BC, we supported a number of local companies to register for the Singapore Air Show in February 2020. They all chose not to attend based on the outbreak of COVID-19 in Singapore.

Manitoba Aerospace has been actively engaged with companies to consider Winnipeg as a potential location to establish a presence or, at least, establish a connection with a local company to become part of the supply chain. Most notably was Longview

Aviation. Unfortunately, they decided to set up their operations in Calgary. We continue to be in conversation with several international companies.

Our fundraising activities with our 2019 Golf Tournament and 2019 All-Stars Awards dinner were very successful. With the generous support of our industry, we were able to add just under \$40,000 to the Student Endowment Fund which brings the grand total of the fund to over \$335,000.

The Aerospace week in June of 2019 was very busy with six (6) different events. We also hosted two (2) Networking breakfasts before the COVID-19 shut down.

In July 2019, we completed phase two (2) of the Opaskwayak Cree Nation project. The detailed business plan and associated costs were an eye opener for the OCN Chief and Council. Plans were in place to seek additional investors until COVID-19 hit. Due to the negative impact that COVID-19 has had on our industry, the OCN Aerospace project is on hold. We will re-establish contact with the Chief and Council when the economy is stronger.

I want to acknowledge the staff of Manitoba Aerospace. We are a good team and we work hard together to fulfil the mandate of Manitoba Aerospace and accomplish the goals of our strategic priorities.

Once again, I need to acknowledge the ongoing support of Ron Drepaul, Chair of the Board, and the rest of the Board of Directors. The staff at Manitoba Aerospace could not do what we do without the leadership and backing of the Board.

In closing, we will continue to monitor the ongoing challenges of dealing with COVID-19 and its effects on our industry. We continue to advocate on behalf of our members with the various levels of Government so it is important that we are aware of any issues that you may be facing. Please continue to reach out to me with any comments and/or concerns. We are in this together and together we will get through this! 

Summary of Activities

PROMOTION, BRANDING & ADVOCACY

Marketing and Communications Committee

The committee is made up of professionals from the aerospace industry as well as staff from Manitoba Aerospace. The current members of the Committee are: Committee Chair - Karleigh Danowski, Magellan Aerospace; Amanda Extence and April Scrapneck from StandardAero; from Manitoba Aerospace: Wendell Wiebe, Ellice Gan, Barbara Bowen, and Heidi Abraham. Many thanks to Ken Webb, retired Executive Director of Manitoba Aerospace Association, and Terry Trupp, who retired from Boeing in June, as they are both still actively involved with the Committee and our events.

The mandate of the Marketing and Communications Committee is to support Manitoba Aerospace as it delivers its mission of promoting the growth of the aerospace industry in Manitoba through business development activities and workforce development initiatives.

Activities 2019-2020:

Networking and Promotional Activities: Manitoba Aerospace organized and represented Manitoba at the following events and activities between April 2019 and March 2020.

2019

- Apr 02-04** | Outlook Days in Ottawa
- Apr 07-09** | Manitoba Aviation Council's Conference in Winnipeg
- Apr 17-18** | AeroMart Trade Show in Montreal
- May 29-30** | CANSEC in Ottawa
- May 30** | AAiM Day
- Jun 03-08** | Manitoba Aerospace Week
- Jun 12** | AMMOP graduation
- Jun 16-20** | Paris Airshow
- Jun 17** | Cadorath 65th Anniversary
- Aug 08-09** | ADSE in Abbotsford
- Sep 12** | Manitoba Aerospace Golf Tournament
- Oct 02-03** | DEFSEC in Halifax
- Oct 05** | Girls in Aviation Day
- Oct 10** | Advanced Manufacturing Networking Meeting
- Oct 16-17** | UCN Linkage Conference in The Pas
- Oct 23-24** | CCCAA LMI Conference in Ottawa
- Oct 29** | OAC Aerospace Unplugged in Toronto
- Nov 04** | H.I.R.E.D event
- Nov 04-08** | Aerospace WOWs on Campus at University of Manitoba
- Nov 07** | Take Our Kids to Work Day
- Nov 12-13** | AIAC Summit in Ottawa
- Nov 21** | Manitoba Aerospace All-Stars Awards of Excellence Gala Dinner

2020

- Jan 15** | Indigenous Aerospace & Aviation Showcase at CAHRD
- Feb 10-13** | PNAAC Conference in Seattle
- Mar 05** | Western Canada Economic Diversification (WD) Innovation Forum in Vancouver
- Mar 05-06** | Central Aircraft Maintenance Engineer Association (CAMEA) 25th Annual Aviation Symposium
- March 12** | AMMOP Strategic Meeting



Contrails Newsletter

Copies of Contrails, the electronic newsletter, can be found at www.mbaerospace.ca

AAiM Day

The 14th anniversary of AAiM Day was held at Red River College – Stevenson Campus on May 31, 2019. The annual event was attended by over 780 Grade 6 students and teachers who were involved in hands on activities and the event was supported by 150 volunteers.

Manitoba Aerospace Social Media in 2019

Twitter - From January 1 to December 31, 2019, we gained 82 new followers for a total of 700. Notable new followers include: Trade Commissioner at the Canadian Embassy in Beijing; Opaskwayak Communications and Canadian Business Aviation Association and Teara Fraser, a highly successful Indigenous woman who is the owner of Iskewew airline in BC. **LinkedIn** - From January 1 to December 31, 2019, we gained 777 new followers for a total of 2,892. The majority of our LinkedIn followers are in aerospace or aviation related organizations. 54% of our followers are either in engineering, operations or business development careers. **Facebook** - in the same time period, we gained 377 new followers for a total of 1,305. The posts that received the highest reach and engagement were: Wright Brothers Day; Congratulation message to member companies and partners that placed in 2020 Manitoba's Top Employers Awards; Manitoba Aerospace corporate video featuring Detail Inspector, Kelly Spence from StandardAero; Teara Fraser for being recognized as one of the Women's Executive Network (WXN) 2019 Canada's Most Powerful Women: Top 100 Award Winner; Halloween post of a young girl wanting to wear Astronaut costume rather than princess outfit; news of the first all-female spacewalk; Neeganin College Recruitment ad; Indigenous GTR&O program recruitment; Manitoba Aerospace Golf Tournament save the date post; Video of Boeing 757 landing at Gatwick Airport; article about current and projected demand for aircraft maintenance engineers.

Manitoba Aerospace Golf Tournament

The 2019 Golf Tournament was held on Sept 12. Despite the cold and rainy weather, the Tournament was a great success and raised just under \$13,000 for the Manitoba Aerospace Student Endowment Fund.

Girls in Aviation Day 2019

Despite the horrid weather, 120 girls between ages 8 to 16 attended the fifth annual Girls in Aviation Day on Oct. 5th, which was hosted by 17 Wing at the Winnipeg International Airport. The event was organized by Northern Spirit YWG – the Manitoba Chapter of Women in Aviation International. The girls and their parents were introduced to 8 different careers in aviation and aerospace.

All-Stars Dinner and Awards Gala

The 2019 Manitoba Aerospace All-Stars Dinner and Awards Gala was held on November 28th at the Victoria Inn. Over 185 people attended, and just under \$27,000 was raised for the Manitoba Aerospace Student Endowment Fund. Special thanks to the committee and our valued volunteer, Charlotte (Charlie) Rosen, who always helps to make this annual event a success.

Aerospace Week 2019 (June 3–7)

The week started off at AAiM Day held at Red River College – Stevenson Campus where the Minister of Economic Development and Training, the Honourable Ralph Eichler, proclaimed "Aerospace Week" to the students, staff, VIPs and many volunteers in attendance. The events of Aerospace Week 2019 included industry reps touring the campuses of our educational partners, a sessions on foreign recruitment, conferences on business development and our 2019 AGM.



Manitoba Aerospace Annual Golf Tournament



Girls in Aviation Day

Summary of Activities

CAREER & WORKFORCE DEVELOPMENT

Career Development

Manitoba Aerospace partners with educational institutions at the secondary and post-secondary levels to ensure the continued flow of industry ready graduates from local educational programs to support the aerospace, aviation and defence sectors. We have long-standing partnerships with the Faculty of Engineering and the Engineering Access Program at the University of Manitoba, the Faculty of Business and Economics at the University of Winnipeg, Red River College – Stevenson Campus, Neeginan College of Applied Technology, and Tec Voc High School.

2019-2020 Key Accomplishments:

Career Awareness

Part of the mandate of Manitoba Aerospace is to ensure youth, parents, and educators are aware of the local aerospace/aviation industry and the educational pathways to the great careers available in the sector. Manitoba Aerospace collaborates with a variety of community partners to ensure that Manitobans become more aware of aerospace careers and the established educational pathways to those careers. In 2019-2020, we interacted with 9303 individuals, 4553 more than our target of 4750.

- AMMOP, at Tec Voc, has been running for 25 years producing close to 900 graduates and approximately 75% of those grads are working in the industry.
- In 2019, at the request of industry, a second cohort of AMMOP was offered in an accelerated program that ran along side of the regular AMMOP classes. 30 participants were selected for the program and 30 individuals graduated.
- The Aerospace and Aviation Technology program at Tec Voc has been running since 2007 and has resulted in approximately 150 graduates.
- Neeginan College of Applied Technology offers Gas Turbine Repair & Overhaul, CNC Machining and TIG welding programs (aerospace related courses).
- The Executive BBA program continues at the University of Winnipeg which gives prior learning credits to graduates from the Certificate in Management program towards a Bachelor of Business Administration.
- Manitoba Aerospace continues to work with other sector councils and other community partners related to Career Prospects Manitoba during Career and Workforce Development Month (November).
- Approximately 250 participants (Grade 6) with Career Trek took part in aerospace/aviation related activities between October 2019 and mid-March 2020.
- Manitoba Aerospace and the Faculty of Engineering at University of Manitoba held a week of activities in November called Aerospace WOWs on Campus.
- There are 22 engineering students enrolled in the Aerospace Option as part of the Bachelor of Science in Engineering (Mechanical) at the University of Manitoba.
- 16 first year ENGAP students were hosted at Boeing in August 2019 and 35 ENGAP students attended the annual Information Session in December 2019.
- The 14th annual AAiM Day was held at RRC – Stevenson Campus on May 31, 2019.
- The 5th Annual Girls in Aviation Day was hosted by 17 Wing for 120 girls between the ages of 8 to 16, on October 5, 2019.



COLLABORATION BETWEEN AEROSPACE INDUSTRY AND TEC VOC HIGH SCHOOL

Background

A commitment to providing excellent training designed to meet the needs of the Manitoba aerospace sector is behind the award-winning collaboration between Technical Vocational (Tec Voc) High School and the local aerospace industry.

Since the early 1990s, member companies of Manitoba Aerospace have had ongoing concerns about the shortage of skilled trades people in the local labour pool. In an attempt to mitigate these concerns, Manitoba Aerospace and Tec Voc High School started to work together to design and deliver programs that would give youth the opportunity to gain essential workplace skills for the local aerospace and aviation sectors. This collaboration led to a number of interesting initiatives but most importantly, the establishment of the Aerospace Manufacturing and Maintenance Orientation Program (AMMOP) at Tec Voc in 1994. AMMOP has been recognized as a model industry/education partnership by the Conference Board of Canada in 1999 and 2000 as well as receiving the International Partnership Network's Global Best Award in 2010.

AMMOP is a 10-month, post-high school initiative and students attend classes half time from September to June. Graduates of the program can enrol in one of several post secondary programs at RRC – Stevenson Campus which are specifically designed for the local aerospace and/or aviation industry. Some students are hired by companies directly out of AMMOP and provided with on-the-job training and/or apprenticeship opportunities. The local industry appreciates the skills that graduates from AMMOP bring to the workplace and in 2007, the industry approached Tec Voc to establish the Aerospace & Aviation Technologies program (same basic curriculum as AMMOP) which was added to Tec Voc's vocational education catalogue for students in Grades 10 to 12.

Current Collaboration

In late 2018 and early 2019, Magellan Aerospace Winnipeg completed an in-depth analysis of their workforce and found that with expected retirements as well as new commitments on their order books, they were facing an immediate shortage of skilled workers. Magellan Winnipeg has found that the skills that AMMOP students develop are a good foundation for positions at Magellan. In the spring of 2019, Magellan approached Tec Voc to determine how the school could help Magellan meet their identified need for more entry level workers. After several meetings and discussions between Magellan Winnipeg, Manitoba Aerospace, the Winnipeg School Division and Tec Voc High School, it was determined that Tec Voc would pilot an accelerated training program that would be full-time from September 2019 to January 2020 and run along side of the regular AMMOP. StandardAero was also in the market for new workers and joined the collaboration.

Process

This new full-time group required an extra instructor, increased resources and the re-organization of the timetable in order to meet the needs of the new cohort but also ensure the quality of the programs for the two part-time AMMOP classes remained the same. In order to help with timetabling issues, the full-time group was able to access a classroom and training facilities at the Magellan facilities for part of their school year. Teachers from Tec Voc taught the classes at Magellan. This opportunity gave these students a unique learning environment and they were able to experience the aerospace industry first-hand during their training.

Recruitment

Tec Voc and Manitoba Aerospace increased the marketing of the regular AMMOP as well as the new accelerated program in preparation for the information session that was held in early May 2019 where individuals filled out applications to get into one of the programs. The teachers at Tec Voc reviewed the applications and set up interviews for mid-May 2019. Approximately 120 applicants were interviewed for 85 positions by a team which included the AMMOP teachers and a representative from both Magellan and StandardAero. Thirty applicants were accepted into the full-time program and approximately 55 were accepted into the part-time AMMOP classes. Participants in the accelerated program range in age from eighteen to forty years. Two of the applicants were female. Five students were born in Canada, one was born in the Ukraine and the rest of the students' country of birth was the Philippines. Sixteen of the students were Canadian citizens and fourteen were permanent residents.

Accelerated Training

Students in the full-time cohort attended an orientation session at Workplace Education Manitoba (WEM) in June 2019. The session consisted of an Essential Skills Orientation and a workshop entitled, "How to be a Student". Students received an ESRA assessment of their reading, document use, and numeracy levels. An independent education plan for improvement was created for each student. The new students were also required to continue working on TOWES skills upgrading throughout July and August 2019. They were expected to go to WEM and document their time working on improving their essential skills.

In September, the full-time cohort was divided into two groups that rotated through the various training modules. Modules included blueprint reading, technical drawings, non-destructive testing, and the principles of flight. The class completed piston engine training

Summary of Activities

Collaboration between Aerospace industry and Tec Voc High School, *continued*

at Neeginan College of Applied Technology over several days in October. In mid-November, AMMOP instructors transported materials to Magellan where students continued work on sheet metal and composite fabrication and repair. They remained at Magellan until mid-January, when they returned to Tec Voc to complete their training. Throughout the course, all AMMOP program expectations and requirements were followed.

As with the regular part-time program, students in the full-time group also participated in tours of several industry facilities, as well as a (shortened) work experience phase. Eight students chose to pursue work experience at StandardAero while the remaining 22 students rotated through a work experience schedule at Magellan.

Graduation and Job Statistics

For the first time in the history of AMMOP, this cohort had 100% graduation rate. Thirty students successfully completed AMMOP and received their diplomas on January 30, 2020. Twenty-nine students obtained their full standing in TOWES, and one achieved partial standing. Thirty positions were made available to the cohort, however, one of the students chose to remain in his current job and declined the offer. Magellan knew from past experience that they needed to phase in the on-boarding of the new employees. Fourteen of the students were hired immediately upon graduation by Magellan and the plan was to make offers to several others in the next several months but unfortunately, this process has been impacted by COVID-19. Six of the graduates were immediately hired at StandardAero. Two of the graduates have decided to pursue further education at Red River College - Stevenson Campus in the Aircraft Maintenance Engineer (AME) diploma program.

Impact and Challenges

The accelerated program demanded that students commit to the program in a much more intensive manner than the part-time program and students were required to complete an increased amount of studies outside of school hours. Due to the intense program, only ten of the students maintained part-time or casual employment during their training.

The logistics of running an additional full-time AMMOP group in the school was challenging and required a great deal of organization by the school's administration and teachers. Both the full-time and regular part-time classes were separated into groups and moved throughout the school on specific schedules. They managed to find extra classroom space but it was not near the current AMMOP shop areas. Availability of workspace, tools and consumables posed a challenge for all of the student groups. And when the full-time program completed a learning module, the part-time group would still be working on aspects of the module. This caused logistical challenges as the AMMOP classroom needed to be reconfigured to be able to start the full-time group's new unit of study.

The delivery of the program off-campus was a beneficial experience for the full-time AMMOP students. Immersion into the Magellan Aerospace work culture exposed students to real-world work-life experiences and human resources interactions that cannot be duplicated at school. The group was divided into two, so that one group would work on theory in the classroom and the other would work in a small workshop area. Instructors transported many consumables and tooling to Magellan for use. All Magellan security protocols were strictly adhered to during this experience.

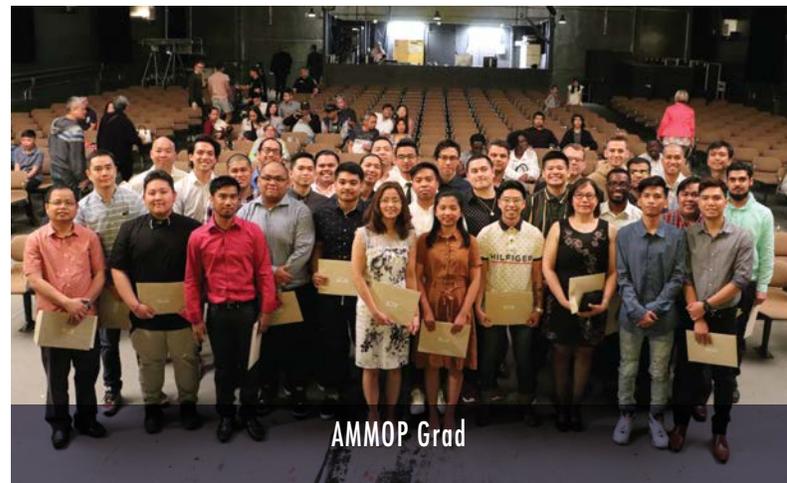
Summary

The cohort piloted in 2019-2020 was a highly successful collaboration between the Winnipeg School Division, Magellan Winnipeg, StandardAero, Tec Voc and Manitoba Aerospace. As a pilot program, there was a great deal learned from this experience and moving forward there will be new opportunities for collaboration with industry. As a vocational school, Tec Voc High School believes that providing their students with training and skills that match industry's needs is of utmost importance.

General feedback from the full-time cohort participants was extremely positive. Upon graduation, both students and family members expressed genuine gratitude for the opportunity to receive training that opened the doors to a new career in such an important industry in Manitoba.

The industry partners were also very pleased with the collaboration and the skill level of the new entry level workers. Comments from engaged company reps included: The AMMOP program is an "excellent, mature program." "I liked that we worked with Magellan and interviewed together. Tec Voc is very accommodating with rooms and coordinating the potential students." "I thought the condensed program was run very well, it had a lot of enthusiasm behind it from the students and teachers, and is such a great option for students/candidates that have a passion and interest in our business but also family/financial commitments."

This exciting, invigorating and prestigious collaboration has developed and refined the employability of close to 900 students over the past 25 years and approximately 78% of those students are working within the aerospace/aviation industries. This is education as it should be.





Girls in Aviation Day



Aerospace Week: Tour to Educational Partners



AAiM Day

Fall 2020 MANITOBA AEROSPACE WEBINAR SERIES

More info will be updated via email very soon. Stay tuned!



Manitoba Aerospace Acknowledgement of Treaties



Manitoba is situated on the traditional lands of the Anishinabek, Inninewak, Cree, Oji-Cree, Dakota and Dene peoples and the homeland of the Métis Nation. Manitoba Aerospace acknowledges, respects and has the honour of working on lands in Treaty 1 Territory. It is important to recognize that the land on which we work and live is the traditional and ancestral lands of First Nations peoples who, prior to contact with Europeans, created and maintained important trade routes, belonged to the land and respected non-human species, and thrived in a culture that was celebrated through language, ceremony, tradition and a sustainable economy. Just as important is the acknowledgement that Treaty 1 Territory is also the homeland of the Métis Nation - a nation that came to be in the late 18th, early 19th century. A nation of people of mixed Indigenous and European ancestry with its own distinct culture, language, and history.

The members of Manitoba Aerospace are dedicated to moving forward, recognizing, and reconciling the past, in a respectful way that honours individuals, communities and Nations.



INDIGENOUS AEROSPACE AND AVIATION SHOWCASE

The partnership between Manitoba Aerospace and the Centre for Aboriginal Human Resource Development (CAHRD) continues to thrive. On January 15, 2020, CAHRD and Manitoba Aerospace hosted the Indigenous Aerospace and Aviation Showcase at the Aboriginal Centre at 181 Higgins Avenue.

The labour market Information study that Manitoba Aerospace conducted in 2018 revealed there will be a need for over 2,000 new workers in the aerospace and aviation industries over the next three to five years. According to the labour market report by the Canadian Council for Aviation and Aerospace, Indigenous people make up 4% of the general workforce but less than 3% of the total aerospace workforce in Canada. The showcase was intended to promote the industry in hopes of tapping into an underutilized Indigenous population.

The event attracted more than 20 aviation/aerospace companies and educational institutions from across Canada and 240 Indigenous attendees from Manitoba. The participants were given tours of CAHRD's post-secondary division, Neeginan Institute of Applied Technology, and were introduced to the aerospace training programs available at Neeginan. Several high-profile Indigenous people were invited to speak to the participants about their own educational journeys and careers.

The Inspirational Indigenous Keynote Speakers were:

- **Raven Beardy Jenvenne**, Pilot with Missinippi Airways
- **Nicole Kemp**, Aircraft Maintenance Engineer with Keewatin Air
- **Shelby Sanderson**, Gas Turbine Repair & Overhaul Technician with StandardAero
- **Kelly Spence**, Detail Inspector with StandardAero
- **Kevin Chief**, CAHRD Partnership Lead and former MLA
- **Jamie Wilson**, VP of Corporate Development with Arctic Gateway Group



Indigenous employees from the companies were also present at the Showcase to talk to the participants about their own educational pathways and their current roles with their companies. The event inspired Indigenous youth and adults and brought more awareness to the variety of jobs in the aerospace and aviation industries. Great prizes which were donated from the companies were drawn throughout the day.

We want to extend a special thank you to the following companies, educational institutions and organizations that helped make the Indigenous Aerospace and Aviation Showcase possible:

Manitoba Aerospace
Centre for Aboriginal Human Resource Development
Calm Air
Canadian North
Career Trek Inc.
Fly Fast Air
Harv's Air Flight Training
Jazz Aviation

Ka Ni Kanichik
Keewatin Air Ltd
KF Aerospace
Magellan Aerospace Winnipeg
Missinippi Airways
Perimeter Aviation LP
Resource Assistance for Youth (RaY)
Royal Aviation Museum of Western Canada

SkyAlyne
StandardAero
Tec Voc High School
University of Manitoba
Urban Circle Training Centre
Winnipeg Airports Authority



Image credit: CAHRD

The 2020 Indigenous Aerospace and Aviation Showcase was a huge success and we look forward to hosting the event again January 2021.



Advanced Manufacturing Networking Meeting



Sector Council Funding Announcement



Aerospace Week - Foreign Recruitment Strategies



Cadorath's 65th Anniversary

VALUE PROPOSITION

Soar with the best in the largest aerospace centre in Western Canada and the third-biggest in the country. Accelerate your growth with Manitoba Aerospace Inc., which, as a sector council, works to connect the local aerospace, aviation and defense industries with national and international markets and is also aimed at developing a world-class workforce to meet our members' needs.

1 | Competitive Operating Costs

Winnipeg is the most cost-effective city for aerospace manufacturing among major Canadian and U.S. cities.

Winnipeg has experienced more than \$900 million in aerospace and aviation-related investment in recent years, and revenues of Manitoba's aerospace manufacturers increased by 44% between 2007 - 2013.

2 | Enhanced Productivity

More than 40 aerospace firms are either headquartered or have major centres of operation in Manitoba, including Boeing Winnipeg, StandardAero and Magellan Aerospace. The sector encompasses a diverse supply chain that produce and sell products and services valued in excess of \$2.15 billion per year.

The industry is supported by a large number of aerospace suppliers including precision machine shops, tool and die makers, precision sheet metal fabricators, plating and coating operations, and electronics companies.

3 | World Class Workforce

Winnipeg's aerospace sector is competitive on a global level, producing world-class products for customers on six continents. Over the last 10 years, Manitoba aerospace companies have shipped billions of dollars in product exports, including over \$400 million in exports to emerging markets.

Currently, the industry employs a labour force of over 5,000 highly skilled workers.

Source: 2016 LMI/ Economic Development Winnipeg

Why should you choose to grow your business in Manitoba?

BENEFITS OF MEMBERSHIP

We want to work with you and your business to strengthen your competitive advantage in the local, national and global aerospace and defence sectors. Manitoba Aerospace provides members with the opportunity to connect with leading aerospace companies and OEMs, get access to national and global intelligence and advocacy, information dissemination, promotion and business opportunities, and workforce development via education and training.

Workforce Development

Grow the Capabilities and Engagement of your People

- strong partnerships with local secondary and post-secondary schools
- access to annual local Labour Market Information (LMI) statistics
- training and certification to increase the skills, confidence, and credentials of your workforce
- career awareness activities to attract the best and brightest to the sector

Promotion, Branding & Advocacy

Visibility and Voice

- events and networking opportunities throughout the year to increase your connections
- promotion and advocacy to highlight your company and local sector at Federal and Provincial levels
- a voice at the AIAC board
- showcase your company profile on Manitoba Aerospace Directory as well as Manitoba Aerospace Website and Social Media Platforms

Full Members

Companies and organizations with direct involvement in research and development; product development; manufacturing; service support; training; maintenance, repair and overhaul or information technology support of the aerospace and defence industries and related sectors. Only members are eligible for education and training supports and membership on the Manitoba Aerospace Board of Directors. Other benefits include opportunities to promote your company or organization through sponsorship of Manitoba Aerospace events in order to showcase your services and products.



Supplier & Economic Development

Build the Competitive Edge of your Business

- Competitive Edge Supplier Development (CESD) creates expansion opportunities for SMBs
- market intelligence and information on ITBs and your Canadian Value Proposition
- local, national and international trade resources to help in the growth of your business

Innovation, Research & Technology

Stay Ahead with the Latest Advancements

- access to the regional office of the Consortium for Aerospace Research and Innovation in Canada (CARIC)
- access to collaborative R&D networks and funding sources
- a voice at the AIAC board
- invitation to annual Research Forum which brings together researchers in Academia, Institutions and Industry in Manitoba to facilitate collaborative local Research and Development

Associate Members

Companies and organizations, including government departments and not-for-profit entities, who wish to support the objectives of the association and the members and do business with or related to the aerospace, aviation and defence industries. Representatives of Associate members are not eligible to be nominated or to sit on the Board of Directors. An Associate member is not entitled to receive notice of, attend or vote at any member meetings. Manitoba Aerospace may extend an invitation to representatives of Associate members to attend a members' meeting, but such persons shall have no vote. Other benefits include opportunities to promote your company or organization through sponsorship of Manitoba Aerospace events in order to showcase your services and products.





MANITOBA  AEROSPACE



Invitation to
**EXPLORE CAREERS IN
AEROSPACE AND AVIATION**

Interested in joining the industry?

Date: Thursday, November 5, 2020

Time: 9:00AM - 4:00PM

Venue: Virtual Career Fair (Zoom)

**Connect with
Post-Secondary Institutions
that offer training for the
Aerospace and Aviation
Industry!**

**Explore the variety of
opportunities for Training
and Employment in
Aerospace & Aviation !**

**Hear from graduates from
the training programs now
working in the Aerospace
and Aviation industry!**

For more information, contact
Kimberly Ballantyne at kballantyne@mbareospace.ca

WELCOME TO OUR NEWEST MEMBERS!



Perimeter Aviation

NEW MEMBER

Perimeter Aviation is a customer service and community-oriented airline that has more than 30 aircraft in its fleet, and is a certified Approved (Aircraft) Maintenance Organization (AMO). Perimeter offers regularly scheduled passenger services, Aeromed air ambulance services, and cargo shipping to more than 33 communities in Manitoba and Northwestern Ontario; with the ability to provide custom chartered flights to any destination in North America.

The logo for Belcan, consisting of the word "Belcan" in white, bold, sans-serif font on a dark blue rectangular background.

Belcan

Belcan

NEW ASSOCIATE MEMBER

Belcan is a global supplier of engineering, technical recruiting, and IT services to customers in the aerospace, industrial, and government sectors. Belcan engineers better outcomes through adaptive and integrated services—from jet engines, airframes, and avionics to heavy vehicles, chemical processing, and cybersecurity.



BDC

NEW ASSOCIATE MEMBER

BDC helps create and develop strong Canadian businesses through financing, advisory services and capital, with a focus on small and medium-sized enterprises. BDC is governed by an independent Board of Directors, which ensures the highest standard of corporate governance practices.



Signium

NEW ASSOCIATE MEMBER

Signium Canada is a global executive search and leadership consulting firm. With more than 60 years of experience, they are experts in helping clients recruit, develop and retain the best leadership teams. They have offices in nearly 30 countries and combine global reach with deep local knowledge to exceed their clients' needs – whenever, wherever, whatever.



Dumur Industries

NEW ASSOCIATE MEMBER

Dumur Industries was founded in 1987 and operates from two facilities in the Regina area and a plant in Vaughan, Ontario. Dumur Industries has been involved with defence procurement since 1994 and works for many of the larger North American prime contractors on land and sea-based weapons systems, as well as rockets and satellite ground systems. The plant in Vaughan is responsible for the manufacturing of machined parts and assemblies for the commercial aerospace sector.

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For more information or for sponsorship details, please contact Barb Bowen at bbowen@mbaerospace.ca

WELCOME TO OUR NEWEST MEMBERS!



Bright Immigration

NEW ASSOCIATE MEMBER

Bright Immigration (BI) has 8+ years of experience recruiting and immigrating foreign workers for numerous Canadian companies including in the aviation/aerospace industry. They have successfully recruited AMEs and Technicians from many countries and for multiple clients.

BI has developed a turn-key solution to streamline and simplify the immigration process for organizations of all sizes.



MANITOBA INSTITUTE OF
TRADES & TECHNOLOGY

MITT

NEW ASSOCIATE MEMBER

Manitoba Institute of Trades and Technology (MITT) provides innovative pathways to quality high school, post-secondary education, and apprenticeship training in partnership with industry and communities. MITT is dedicated to ensuring that graduates can successfully transition to employment or further education.



M3 Drone Training Zone Inc.

NEW ASSOCIATE MEMBER

M3 Drone Training Zone Inc. was originally formed as M3 Aerial Productions in 2015 as a drone aerial services provider. In 2016, they began offering Transport Canada-compliant remotely piloted aircraft systems (RPAS) ground school training and have trained over 800 RPAS pilots. M3 has been working to integrate drone technology into the educational environment and hosted the first annual Western Drone Show in Winnipeg in 2019, with over 160 teachers, professors, school administrators, and industry experts in attendance.



Royal Aviation Museum of Western Canada

NEW ASSOCIATE MEMBER

The Royal Aviation Museum was founded in 1974 to preserve and share the stories of Canada's aviation history through exhibits of bush planes, military aircraft, and some of Canada's earliest aviation innovations. Its collection includes the remains of nearly 100 heritage aircraft. The new Royal Aviation Museum will share the stories of Manitoba's early aviators and the birth of commercial aviation in Canada while providing STEM-based interactive experiences for visitors of all ages. The new Museum will be located adjacent to the Winnipeg James A. Richardson International Airport and is set to open in late 2021.

2020 MEMBER COMPANIES



2020 ASSOCIATE MEMBER COMPANIES





Western Drone Show



AMMOP Grad



Paris Airshow



Aerospace Annual Golf Tournament



Take Our Kids to Work Day



All Stars Awards Dinner



CAMEA Symposium





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.

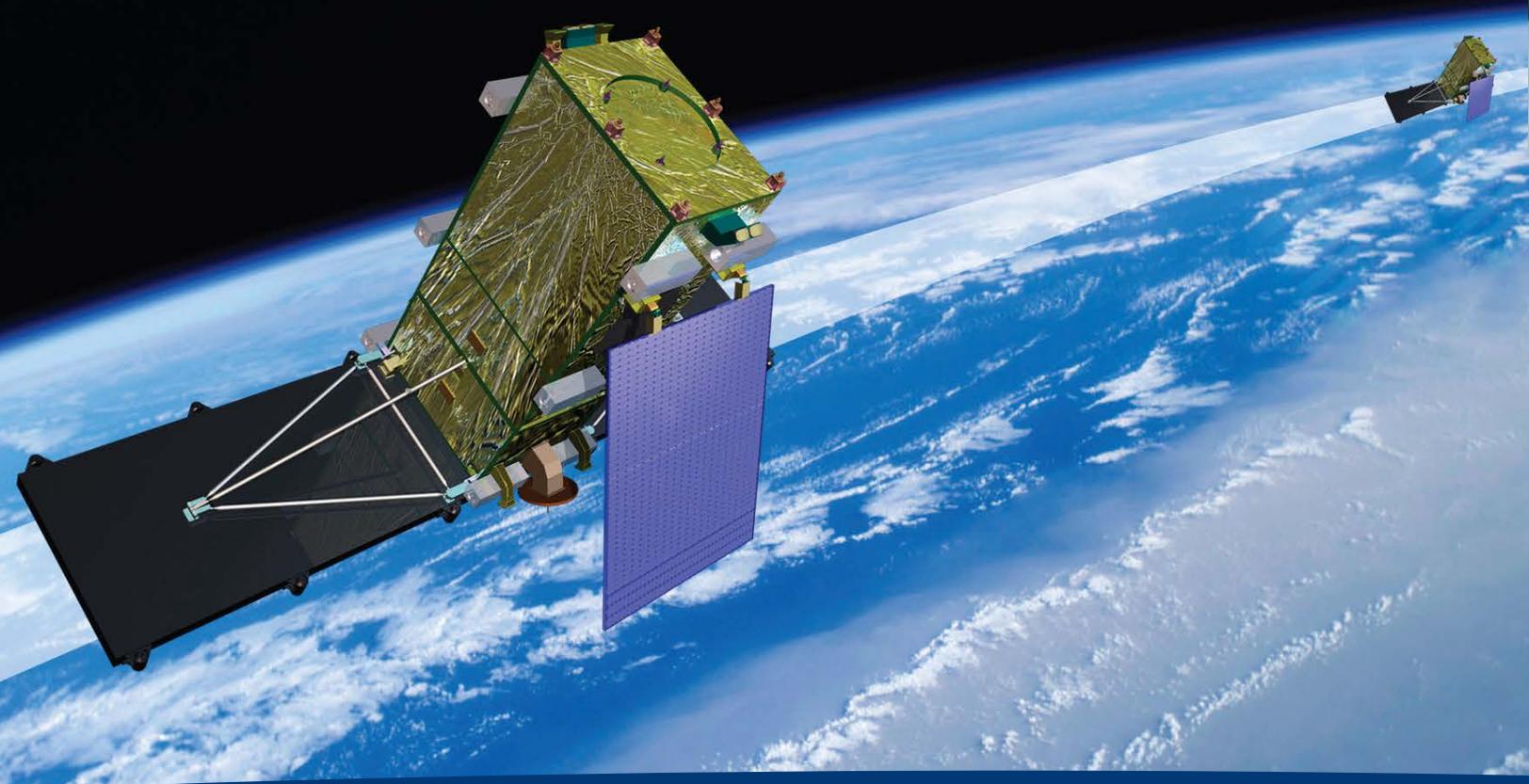
If your company is looking for a partner with access to North American markets and advanced aerospace technology, look to the Manitoba aerospace industry. If you are seeking a cost-competitive site to do business, look to Manitoba, Canada. If you need a source of aerospace component manufacturing or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



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