

Where Vision Takes Flight



MANITOBA  AEROSPACE
ANNUAL REPORT



2024



Editor:
Barb Bowen
bbowen@mbaerospace.ca

Art Direction & Layout:
Philip Navoa
pnavoa@gmail.com

Photographer:
Raquel Coto Gonzalez
Rgonzalez@mbaerospace.ca

For Manitoba Aerospace Events sponsorship opportunities, please contact:
Wendell Wiebe, CEO
wwiebe@mbaerospace.ca

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

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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
September 27, 2024

More info: <https://bit.ly/MAI-Awards>

Download the Nomination Form at
<https://bit.ly/2024-Awards-Nomination>

Contact info:
Wendell Wiebe
Chief Executive Officer, Manitoba Aerospace
E: wwiebe@mbaerospace.ca



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Department of Mechanical Engineering

Alberto VelascoAcosta
Economic Development Winnipeg
Vice President, International

MESSAGE FROM THE CEO

Wendell Wiebe



Three key items from last fiscal year (April 1, 2023 – March 31, 2024).

- The Aerospace & MRO Conference – “The Future is Now” was hosted by Manitoba Aerospace at the RBC Convention Centre on May 2 & 3. It was a highly successful event with almost 200 participants. The 9 Keynote speakers were outstanding as were the speakers for the breakout sessions and the 4 speakers who presented at the ITB pre-conference workshop. The feedback we have received has been extremely positive.
- The implementation of the Aerospace Technology Adoption Program (ATAP) will assist companies to explore any of the nine (9) digital technologies that will help their respective companies. In February 2024, we hosted a series of virtual meetings to engage our member companies. In March 2024, we hosted our first two-day course. We are continuing to work with Federal Government Funders to assist our members companies obtain funding support to explore these technologies further.
- The last item was a partnership with Canadian Council Aviation and Aerospace (CCAA) to promote their project to convert the Aircraft Maintenance Engineer “M” and “S” license into online learning modules to provide the aviation and aerospace industry another option to train employees.

I have participated in several Trade Shows over the past year: Aero Montreal’s Global Supplier Conference (April); CANSEC (May); Paris Airshow (June), Aerospace, Defense and Security Expo (Aug); AIAC’s Summit (Nov); OAC’s Aerospace Unplugged (Dec); Western Innovation Forum - Virtual (March) and the Saskatchewan Aerospace and Defense Forum (March). Over the past year Manitoba Aerospace has been working with YES! Winnipeg to enhance our marketing efforts at the events attended.

We hosted several Networking Breakfasts. In September we hosted Student Teams from the University of Manitoba Faculty of Education; In December we hosted two (2) representatives from the RCMP on Counter Terrorism and in March we hosted a panel discussion of Agencies that can support companies explore business opportunities in new markets. The panel consisted of representatives from Global Affairs Canada, Prairies Canada, Investment & Trade (MB Gov) and the World Trade Centre.

Fund Raisers: We had over 68 golfers participate in the Manitoba Aerospace Annual Golf tournament (Aug) and we hosted our Manitoba Aerospace Awards Dinner (Nov). We had just over 100 in attendance to celebrate the accomplishments of Philip Ferguson, Eagle Wings Flight School and Magellan’s F-35 team

This past year, we welcomed three new Board Members, Alberto Velasco-Acosta (Economic Development Winnipeg); James Wilson (Red River College Polytech) and Philip Ferguson (Price Faculty of Engineering, University of Manitoba). Each brings unique knowledge, skills and experience to the Board of Directors.

I would like to take this opportunity to thank Leslie Galbraith, Treasurer for Manitoba Aerospace’s Board of Directors for over twenty (20) years, and Jason Kendall who has been on the Board for the last three (3) years and Karleigh Danowski for Chairing the Marketing and Communications Committee for the last four (4) years. We greatly appreciate all their contributions.

In closing, I hope the AGM Report provides you with a snapshot of what Manitoba Aerospace achieved this past year. 2024-2025 promises to be another exciting and remarkable year for Manitoba Aerospace and our member companies and I encourage you to get involved in the events we have planned for the next 12 months. 🦋

Manitoba Aerospace Incorporated

Manitoba Aerospace is a membership based, not-for-profit organization representing aerospace, aviation and defence companies and stakeholders driving the sustainable worldwide business growth of Manitoba sectors through collaboration, innovation and supply chain development.

Land Acknowledgement

Manitoba is situated on the traditional lands of the Anishinabek, Inninewak, Cree, Oji-Cree, Dakota and Dene peoples and is the homeland of the Red River Métis.

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 Red River Métis. A nation of people of mixed Indigenous and European ancestry with its own distinct culture, language, and history. We also acknowledge that Winnipeg's drinking water is sourced from Shoal Lake which is part of the traditional lands of Shoal Lake 40 First Nation.

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.

Wendell Wiebe, *M.Ed. B.A., CEO*

Wendell is the Chief Executive Officer of Manitoba Aerospace, a position he has held since April 2016, when Manitoba Aerospace Human Resources Council (MAHRC) merged with Manitoba Aerospace Association (MAA). Before the merger, Wendell was the Executive Director of MAHRC, a position he had held since 2009. Prior to joining MAHRC, he was employed by Magellan Aerospace Winnipeg for 17 years. In his initial position as the Manager of Staff Development and then as the Director of Human Resources, Wendell was Magellan Aerospace's representative on the MAHRC Executive and from 1999 to 2004, he served as the Chair. Wiebe has been involved in adult education for over 30 years and holds a Masters of Education from the University of Manitoba. A highlight of his career was being asked to contribute to a book about adult literacy. The focus of his chapter was outlining the business case for the establishment of a workplace literacy program. The book, titled *Adult Literacy Now*, was published in 2000. On August 13, 2021, Wendell was appointed as the Honorary Colonel for the RCAF W/C William G. Barker VC Aerospace College, a position he still holds today.

Barbara Bowen, *CIM, BBA, Director of Special Programs*

Barb has been working with Manitoba Aerospace since 1999. Prior to joining Manitoba Aerospace, Barb worked at the Esso Avitat in Winnipeg and has more than 30 years of experience in training development and program management in the aerospace/aviation industry. As the Director of Special Programs, Barb's responsibilities include liaising with educational partners, developing new hires projects as well as planning and/or supporting career awareness activities on behalf of our member companies in the local Aerospace and Aviation Sectors.

Sahar Bactor, *BCom (Honours), Director of Finance*

Sahar started with Manitoba Aerospace in August of 2010. She is responsible for the financial management at Manitoba Aerospace. Sahar is from Egypt and immigrated to Canada with her family in May of 2006. Before coming to Canada, Sahar worked at the Ministry of Finance in Cairo as an internal auditor from 1994 to 2006. Before 1994, Sahar worked as an accountant in two private companies in Egypt. She also volunteered and served as treasury chair of the Superintendent's Budget Taskforce for El Salam Coptic Association between August 1989 and August 1992. Sahar graduated from the Faculty of Commerce at Ain Shams University in Egypt where she majored in accounting.

Heidi Abraham, *Executive Assistant*

Heidi joined Manitoba Aerospace in March 2014 as the Executive Assistant, with experience in both administration and accounting. Heidi provides administrative support to the CEO, the Director of Finance and the Director of Special Programs. She is responsible for updating the Manitoba Aerospace website as well as creating and distributing the Upcoming Events' weekly email. Before joining Manitoba Aerospace, Heidi worked as an Operational/GL Accountant at Financial View. Prior to that, Heidi was employed at Alico (now MetLife) and was promoted several times, starting as a Department Secretary and ending as a Life Insurance Underwriter. Heidi completed her "Foundation Studies in Accounting" from the CGA of Manitoba. In addition, Heidi has several certificates from the Life Office Management Association including a certificate in "Foundations of Customer Service".

Raquel Coto Gonzalez, *BA, Social Media and Events Coordinator*

Raquel joined Manitoba Aerospace in April 2022 and is responsible for updating social media platforms and working on career awareness events. Having recently graduated from the University of Manitoba with a Bachelor of Arts, Raquel is passionate about connecting the public with Manitoba Aerospace's message of developing a world-class aerospace industry and local workforce through partnerships with Manitoba's educational institutions and other key stakeholders. Raquel's favorite part of her job is being able to be creative while showcasing all the amazing opportunities the local aerospace industry has to offer.

Jennifer Lavallee, *EA Diploma from U of W, Recruitment and Training Coordinator*

Our newest staff member, Jennifer started with Manitoba Aerospace in February 2023. She is excited by her position and is a lifelong learner and believes that there is always an opportunity to gain knowledge. Her responsibilities include recruitment for programs as well as working with companies on requests for training of existing employees. Jennifer worked as an Educational Assistant for the Pembina Trails School Division. Before that she worked in Child and Youth care. One of her goals is to transfer credits from her Educational Assistant Diploma through the University of Winnipeg's PACE program towards a Degree. In her spare time, Jennifer likes to enroll in workshops and learning opportunities to expand her skillsets as well as spend time with her family exploring the beautiful province of Manitoba.

Summary of Activities

PROMOTION, BRANDING & ADVOCACY

Marketing and Communications Committee

The committee is comprised of professionals from the aerospace industry, as well as staff from Manitoba Aerospace. The current members of the Committee are: Chair, Amanda Extence-Robinson, StandardAero; April Scrapneck, StandardAero; Karleigh Danowski, Magellan Aerospace, Winnipeg; Madeline Wieler, Boeing Canada Winnipeg; Deanna Talbot, Southport; Wendell Wiebe, Barbara Bowen, Raquel Coto Gonzalez, Heidi Abraham, Manitoba Aerospace. Many thanks to Terry Trupp, Boeing retiree (2020) and past committee member, for continuing her support with events throughout mid-2023 and to Ken Webb, retired Executive Director of the Manitoba Aerospace Association for continuing his support as a committee member to the end of 2023.

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.

Manitoba Aerospace Golf Tournament

The 2023 Manitoba Aerospace Annual Golf Tournament was held on August 23rd, 2023 at the Larters at St. Andrews Golf and Country Club where we were provided with a beautiful venue, delicious food, and excellent service.

The proceeds from the annual Golf Tournament support the Manitoba Aerospace student endowment fund. For over 15 years, the Manitoba Aerospace Annual Golf Tournament and the All-Stars-Awards Dinner have raised over \$400,000 for the endowment fund and have provided awards to over 150 students.

Thank you to our generous sponsors including Argus Industries, Magellan Winnipeg, Precision ADM, StandardAero, Canadian Propellor, Delphi Technologies, Hub International, KF Aero, WAA (Winnipeg Airport Authority), Southport, Keewatin Air, Del Halliday, and CCAA (Canadian Council of Aviation & Aerospace).

Special thanks to Precision ADM for designing the incredible 3D-printed trophies!

Congratulations to the following:

In 1st, KF Aero's; Ron Syrenne, Dave Tkachyk, Jeff Jacob, and Mark Hupe
In 2nd, HUB's; Carly and Chris with Del Halliday and Wendell Wiebe
In 3rd, PropWorks Propeller's; Curtis Gibson, Tony Taranno, George Gibson, Jim Ross

Cheers to the closest to the hole winners: University of Manitoba's, Kristin Newfield and Standard Aero's Brent Ostermann!

Bravo to the winners of the longest drive: SouthPort's, Deanna Talbot and Standard Aero's, William Cao!

Congratulations to the winners of the putting contest: Delphi technology's, Callie Tay!

The 2024 Manitoba Aerospace Annual Golf Tournament will be held at Larter's on August 21, 2024. More information can be found on our website. www.mbaerospace.ca



Save the date

August 21, 2024

Larters at St. Andrews Golf & Country Club

Lunch at 11:30AM • 12:00PM Shotgun Start • 18 Holes Texas Scramble
Dinner and Awards ceremony



MANITOBA AEROSPACE



GOLF TOURNAMENT

**Sponsorship
Opportunities
Available!**

To register, please contact:

Geoff Kehler at gkehler@larters.com

The Manitoba Aerospace All-Stars Awards Gala



The Manitoba Aerospace All-Stars Awards Gala was held on November 23, 2023, at the Victoria Inn, Winnipeg where we were provided with a great venue, delicious food, and excellent service. The event brought together industry leaders, professionals, and enthusiasts to celebrate excellence in our local aerospace community. It was a night of recognition, inspiration, and camaraderie.

As with the annual Golf Tournament, the proceeds from the All-Stars Award Gala support the Manitoba Aerospace student endowment fund. For over 15 years, the Manitoba Aerospace Annual Golf Tournament and the All-Stars-Awards Dinner have raised over \$400,000 for the endowment fund and have provided awards to over 150 students.

We honoured the following recipients in three categories:

- **Award of Excellence in Education**
Dr. Phillip Ferguson
Price Faculty of Engineering, University of Manitoba
- **Award of Excellence in Business Growth, Innovation, and Technology Development**
F-35 Team and Program
Magellan Aerospace, Winnipeg
- **Award of Excellence in Training**
Josh and Ashleigh Cordery
Eagles Wings Flight School, Portage La Prairie

We extend our heartfelt gratitude to everyone who attended the gala and/or volunteered their time to make it a remarkable event. Your commitment to our local aerospace industry is invaluable.

Thank you to our generous sponsors including StandardAero, Magellan Winnipeg, Southport, KF Aerospace, Boeing Winnipeg, and Research Manitoba.

The 2024 Manitoba Aerospace All-Stars Awards Gala will be held on November 21, 2024. Please be sure to get your nominations in by September 27, 2024. More information can be found on our website. www.mbaerospace.ca



Summary of Activities

Manitoba Aerospace Social Media in 2023-2024

The interactions and followers on Manitoba Aerospace's social media platforms have been on a steady increase this past year. Our postings on the various platforms aim to deliver engaging content and information about aerospace and aviation career pathways and workforce development while highlighting our educational partnerships, member companies and other stakeholders.

This year, we expanded our social media reach to include Threads – Instagram's latest text-based conversation app. Our platform count has now increased to 5.

The platforms including some statistics are:

LinkedIn – 5.9 k followers
Instagram – 871 followers

Facebook – 4.8 k likes and followers
Threads – 91 followers

Twitter – 883 followers

Yearly totals, across platforms:

- Posts across networks: 817
- Page & Profile impressions across networks: 422 k
- Post reach across networks: 200 k

The posts that achieved the most reach and engagement were: Scholarship postings, Job Postings, AMMOP Program Postings, and AAiM Day Postings.

WORKFORCE DEVELOPMENT

Manitoba Aerospace's Workforce Development Pillar plays a pivotal role in shaping the future of the sector's workforce. Here are the key areas we focus on:

Training of Existing Employees:

- We collaborate closely with our member companies to enhance the skills of their current workforce.

Trainings & Activities for Existing Employees during the 2023/24 fiscal year:

- Software Training – 14 participants
- Leadership Course – 8 participants
- Diversity Inclusion in the Workplace – 8 participants
- TB Policy / Value Proposition Awareness Training – 60 participants
- Access to R&D funding – 30 participants
- Exploring Advanced Manufacturing Technologies – 30 participants

Career Awareness:

- We believe that informed choices can lead to successful careers. Through targeted initiatives, we raise awareness about exciting opportunities for careers in aerospace and aviation. Whether it's participating in workshops, information sessions, or career fairs, we connect individuals with the right information.
- From April 1, 2023, to March 31, 2024, Manitoba Aerospace engaged with 9,502 individuals through various career awareness events and activities. This impressive figure exceeded our initial goal of 6,000 by 3,502—a testament to our commitment to fostering aerospace and aviation careers in Manitoba.

Engagement and Partnerships:

- We also work with our member companies, other stakeholders and our educational partners to ensure a steady supply of students into educational programs that produce a steady stream of workers ready to take on aerospace careers. Our educational partners include:
 - Engineering Access Program at the University of Manitoba
 - Faculty of Engineering at the University of Manitoba
 - Manitoba Institute of Trades and Technology (MITT)
 - Neeginan College of Applied Technology
 - Red River College Polytech – Stevenson Campus
 - Tec Voc High School



Women Transitioning to Careers in Aerospace 2.0

Background

In 2022, Manitoba Aerospace, with funding through the Manitoba Status of Women Secretariat, launched the "Women Transitioning to Careers in Aerospace" program. This 18-week initiative provided up to 15 women (and those who identify as women) with basic technical skills training for 12 entry-level positions at StandardAero Winnipeg. The program was a resounding success, resulting in 10 women securing full-time employment at StandardAero by July 2022.

In early 2023, StandardAero approached us to organize a similar program, aiming to equip women with the skills needed for careers within their company. We submitted a proposal to the Government of Manitoba for funding, and in late December, we received positive feedback from the Winnipeg-Eastern Service Area in the Career Development branch. They expressed interest in collaborating with us to initiate the program.

The Initiative

We revamped our plans and partnered with the Manitoba Institute of Trades and Technologies (MITT). After discussions with StandardAero and MITT, we set the program's start date for March 25th, spanning 21 weeks. To spread the word, we utilized our social media platforms, engaged with employment agencies and educational institutions, and hosted an information session on February 17. Approximately 60 women registered, with 40 attending the session. By the end of February, 23 women submitted their applications, and StandardAero conducted interviews in early March. Ultimately, StandardAero selected 15 participants who then eagerly started their training at MITT on March 25th.

The training schedule includes weekdays from 4:00 PM to 9:30 PM and Saturdays from 8:30 AM to 4:30 PM. Participants will attend MITT from March 25th to June 23, followed by 14 women starting work at StandardAero from June 24th until August 8th. Unfortunately, one student had to leave the program due to personal reasons.

Curriculum and Achievements

The women are diligently studying various subjects, including the Test of Workplace Essential Skills (TOWES), human factors, work readiness training, and technical modules. Thanks to support from Workplace Education Manitoba, their Essential Skills are improving weekly. All their hard work will culminate in MITT-approved micro-credential certificates that will be awarded at the program's end in August.

Kudos to these dedicated women who seize this opportunity! They continue to impress their instructors daily. Both MITT and StandardAero have been unwaveringly supportive, overcoming challenges and barriers. We also extend our gratitude to the Centre of Aboriginal Human Resource Development, which allows the class to use Neeginan College's aircraft engines on Saturdays as part of their training.

Women Transitioning to Careers in Aerospace 2.0 is gearing up to be another great success!



Women in Aerospace

A career that makes a difference, keeping us safe in the sky!



Would you like to join us?

For career pathways in the aerospace and aviation industry, please contact Barb Bowen at bbowen@mbaerospace.ca

2024 Indigenous Aerospace and Aviation Showcase

On January 23, 2024, Manitoba Aerospace and the Centre for Aboriginal Human Resource Development (CAHRD) hosted the 5th annual Indigenous Aerospace and Aviation Showcase at the Neeginan Centre in Winnipeg. This event provides a unique platform to highlight education, training, and employment opportunities within the local aerospace and aviation industries for Indigenous candidates.

The showcase featured presentations from representatives of local educational institutions, including Tracy Darbyshire (Tec Voc), Daniel Hemond (RRC), Tannis Geddes (ENGAP @ U of M), John Einarsson (MITT), and Shawn Mollons (CAHRD & Neeginan College).

Additionally, it served as an excellent venue to celebrate the remarkable Indigenous employees already contributing to the local sector. Guest speakers included Albert Ducharme (Manager, Boeing), Audrey Wilson (Operations, Southport), Cato Wood (AME, Perimeter), Kimberly Ballantyne (Pilot, Calm Air), and Neil Manyfingers (Fabrication Tech, Boeing).

We extend our heartfelt gratitude to all speakers, company representatives, educational institutions, and performers who made this day truly amazing! The event garnered 110 attendees and featured 16 booths from industry and educational institutions.

Special thanks to our sponsors, including Illumia Labs, Canadian Propeller, Babcock Canada, PAL Aerospace, Boeing, and StandardAero. A special shout-out goes to the premier sponsor, KF Aerospace, whose generous support made the day possible!



2024 Indigenous Showcase



2024 Indigenous Showcase



Partnership between the Winnipeg School Division and Aviation Museum

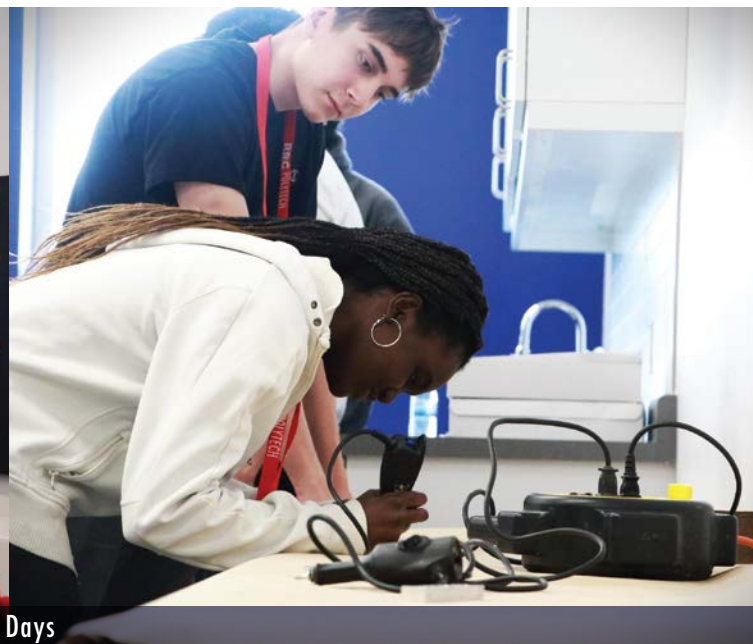
The partnership between the Winnipeg School Division and the aviation museum yielded several educational initiatives. From January to March, three grade 6 classes were immersed in aviation-related learning experiences at the museum for a full week. The museum served as their classroom, providing rich, meaningful learning connections that continued in their school classrooms. A total of 78 students participated in this program.

At the end of April, 85 high school students from 13 different high schools took part in Discovery Days. They engaged in workshops and activities in collaboration with industry partners. The aerospace and aviation companies and organizations that sponsored and provided mentorship included Magellan Aerospace, Calm Air, Babcock International, Boeing Winnipeg, 17 Wing, Harv's Air, StandardAero, UMSAE, STARS Winnipeg, and Manitoba Aerospace. Additional partners were RRC Polytech, Nav Canada, Providence College, CASARA, MITT, Air Canada, Winnipeg Airports Authority, Canadian Helicopters, Calm Air, AMMOP, STARS Medical, and Neeginan College.

Additionally, the Take Flight Program brought students from the Winnipeg School Division to the aviation museum for field trips. Over 1602 students from 48 schools in the division participated in this program.



2024 Discovery Days



2024 Discovery Days



AAiM Day 2024

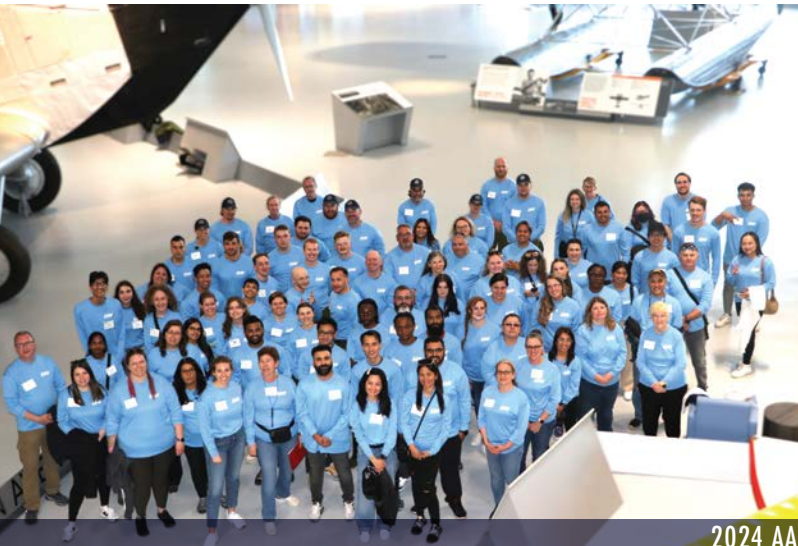
Since 2007, Manitoba Aerospace has been collaborating with partners to organize AAiM Day—an annual event that sparks curiosity, inspires dreams, and propels young minds into the thrilling world of aviation and aerospace. Every May, this dynamic gathering brings together over 700 students, educators, and industry professionals as volunteers, to explore hands-on activities that soar beyond the classroom.

Imagine, 706 Grade 6 students from 30 urban and rural schools converging at the Royal Aviation Museum of Western Canada. Half take part in the morning, the other half in the afternoon, all eager to dive into six exhilarating 15-minute activities. These activities cover everything from Aircraft Maintenance and Rocketry to Flight (paper airplanes!) and Composites and Working in Space. The airside ramp hosts a captivating Military Aircraft Static Display, featuring an RCAF Dash 8 from 402 Squadron and other historic planes.

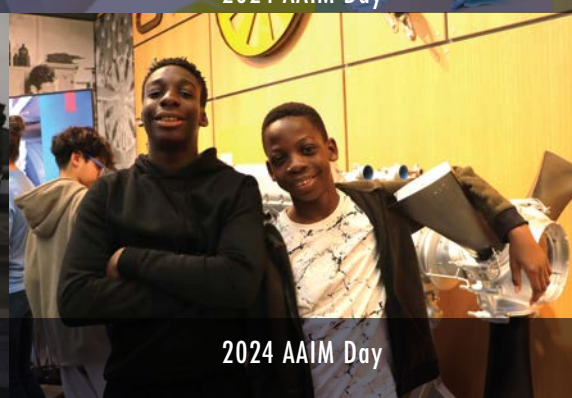
But AAiM Day isn't just about aerospace—it's about having fun with science. We want students, teachers, and parents to glimpse the boundless opportunities in Manitoba's thriving aerospace and aviation sectors. It's a chance to envision the great careers that can take flight right here at home.

We extend heartfelt gratitude to our generous sponsors—Red River College Polytech; Royal Aviation Museum of Western Canada, Winnipeg Airport Authority, StandardAero, Boeing Winnipeg, Magellan Aerospace, Price Faculty of Engineering @ U of M, Canadian Propeller, Illumia Labs, Propworks. Without your support, AAiM Day would not have been possible.

And this year, we also celebrated the Royal Canadian Air Force's 100th Anniversary, by supplying our incredible and hard-working team of 120 volunteers with AAiM Day t-shirts that highlighted the RCAF 100th Anniversary logo.



2024 AAiM Day



2024 AAiM Day



Industry Led Training Initiative

Manitoba Aerospace collaborated with the Canadian Council of Aviation and Aerospace (CCAA) their Industry Led Training Program (ILTP). CCAA had received Federal funds to implement the ILTP pilot project to produce over 2000 hours of new digitized training content to equip aviation and aerospace employers with the tools needed to provide on-the-job training for workers. This program was the first of its kind in Canada and will expand the pathways available for workers to enter the aerospace and aviation sector. The pilot program was completed on March 31, 2024.

The first part of the pilot program was the development of Foundations Training Program (FTP) which is a 12-week program developed for workers new to the aviation and aerospace industry, or workers wanting to increase their understanding of the industry. This program's unique structure provides basic training as well as encouraging the learner to select elective courses based on their own learning need, while still obtaining the same base knowledge as other graduates from the program. FTP consists of multiple delivery methods including online, virtual, classroom or on-the-job training. The FTP is suitable for participants with or without post-secondary education. Participants enrolled by their organization will gain insight into various roles within the industry and develop foundational knowledge for a new or changing career path within aviation or aerospace. The CCAA team developed 78 online courses for onboarding. This program will ensure that aviation and aerospace organizations can be confident about the skills and qualifications of their workforce. The second part of the pilot program was to develop online curriculum for both S (Structures) and M (Mechanical) licenses for aircraft maintenance engineers.

In Manitoba, the FTP involved 20 companies and 309 participants, with 33 certificates issued during the pilot project between April 1, 2023 and March 31, 2024.

Both the online Aircraft Structures Technician / AME-S and Aircraft Maintenance Technician / AME-M Theory are ready for learners and have been released. Nationally, approximately 70 participants are currently enrolled. Contact CCAA for more information or to register <https://avaerocouncil.ca/news/profile/industry-led-training-program>



The Advance Aerospace Technology Program (ATAP)

ATAP seeks to drive innovation and enhance technology adoption in the local aerospace and aviation sectors. Small and medium enterprises (SMEs) face challenges to adopt new microelectromechanical systems (MEMS). These challenges include minimal research and development investment and low adoption rates by larger companies. The ATAP response aims to address these issues by supporting projects with high growth potential, assisting in design for manufacturability, and helping SMEs integrate MEMS capabilities. By bridging the digital knowledge gap and fostering collaboration between academia, large corporations, and SMEs, ATAP seeks to drive innovation and enhance technology adoption in the aerospace and aviation sectors.

In the pursuit of innovation, Manitoba Aerospace has also received additional priority funding from the Government of Manitoba to augment our Aerospace Technology Adoption Program.

Key Milestones:

- **Stakeholder Sessions:** In February 2024, we hosted impactful group sessions, uniting stakeholders from manufacturing, MRO, education, and industry leaders like Boeing, Magellan, Exchange Income Corp., and StandardAero.
- **Industry 4.0 Workshop:** March 2024 marked a significant milestone—a dynamic two-day workshop where 17 participants delved into the intricacies of the nine transformative technologies driving Industry 4.0.
- **Curriculum Tailoring:** Partnering with RRCP, we are customizing curriculum to address the nuances of the 9 technologies. Our goal is to empower companies to seamlessly integrate innovation into their workflows.

Supporting Our Members:

As we embrace Industry 4.0's potential, we stand ready to guide and resource our member companies. Our comprehensive two-day course equips them with the skills needed to implement crucial technological advancements.

Student Collaboration:

Co-op and graduate students from the Price Faculty of Engineering and RRCP are available to work closely with participating companies. Their expertise will identify the most impactful technologies and work with the companies to guide implementation.

We're paving the way for boundless innovation and advancement in the aerospace industry.

We are offering a second Digital Transformation workshop on October 7 & 8, 2024. For more information, reach out to Wendell Wiebe at wwiebe@mbaerospace.ca.

Digital Transformation Workshop



CM & E



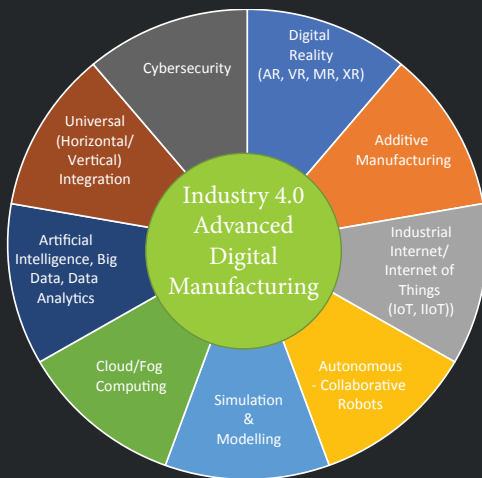
PRE-REQUISITES

- Companies seeking to increase productivity and profitability by integrating digital technologies and processes into their operations.

COURSE LENGTH & TIME

- Two days of instructional time plus pre-course reading.

MODULES



CANADIAN
MANUFACTURERS
& EXPORTERS

DIGITAL MANUFACTURING

Digital Transformation Workshop

OVERVIEW

Canadian manufacturers can maximize their productivity and profitability if they understand where digital technologies and processes can be effectively utilized within their operations. Digital technologies and processes can benefit all manufacturing sectors and can be cost-effectively integrated with current operations, processes and equipment. Digitalization of production and office processes is a logical extension of LEAN. This course provides manufacturers at all organization levels with a fundamental understanding of the 9-digital technologies and processes sufficient to plan and begin the digital transformation journey. Concepts are also introduced that will allow you to begin to define how best to move forward on the digitalization journey.

LEARNING OBJECTIVES

- To become familiar with the 9 digital manufacturing technologies and to identify the linkages between LEAN and digital manufacturing.
- To develop a basic understanding of the business case/necessity, for digital transformation.
- To provide a number of user-case examples that can be used to link digital technologies and processes to manufacturing operations.
- To enable the development and definition of next steps, how to identify the digital value proposition, prioritize and plan a digital transformation.

COST (Includes materials, lunch and reference materials)

\$250 / person

DATE, TIME, and LOCATION

October 7-8, 2024 | 8:30 am - 4:00 pm (both days)

Canadian Manufacturers & Exporters | 200-1479 Buffalo Pl. Winnipeg, MB R3T 1L7

For more information, contact Heidi Abraham at habraham@mbaerospace.ca

To register, please click [here](#)



2023 Girls in Aviation Day



Networking Breakfast March 2023



RRC Scholarship Winners

VALUE PROPOSITION

Soar with the best in the largest aerospace centre in Western Canada and the third-largest 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 significantly since 2007.

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, aerospace companies in Manitoba have shipped billions of dollars in product exports, including over \$400 million in exports to emerging markets.

Currently the industry employs a labour force just under 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 is a not-for-profit sector council that supports and promotes our membership through incentives in business development, research and innovation, and human resource initiatives.

Workforce Development

Grow the Capabilities and Engagement of your People

- strong partnerships with local secondary and post-secondary educational institutions
- access to annual local Labour Market Information (LMI) statistics
- training and certification to increase the skills, credentials and confidence of your workforce
- career awareness activities to attract the best and brightest to the careers in the sector
- facilitate foreign recruitment missions in search of talent
- partnership with Canadian Council for Aviation & Aerospace (CCAA)

Promotion, Branding & Advocacy

Visibility and Voice

- networking opportunities at various events throughout the year to increase your connections
- advocacy to showcase your company and local sector at Federal and Provincial Government levels
- collaborate with Aerospace Industries Associations of Canada (AIAC) Board of Directors on National Initiatives & the Aerospace Regional Associations
- promotion of your company profile and capabilities on the Manitoba Aerospace website (and social media platforms) as well as at national and international events

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

- opportunities to engage in Competitive Edge Supplier Development (CESD) which creates expansion opportunities for SMBs
- ability to enhance the growth of your business in local aerospace/defence supply chains (B2B Mtg)
- national and international trade resources and Federal government procurement opportunities to help in the growth of your business

Innovation, Research & Technology

Stay Ahead with the Latest Advancements

- access to collaborative Research and Development (R&D) networks and funding sources (INSAT)
- Aerospace Technology Adoption Program (ATAP) to identify and implement Digital Technologies to enhance your competitiveness

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.





2023 Golf Tournament



AAiM Day 2024



MANITOBA AIRSHOW

August 3 & 4, 2024 | Southport, Manitoba

Southport Aerospace Centre proudly presents the 2024 Manitoba Airshow on August 3-4, 2024.

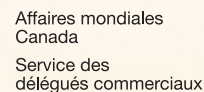
Join fans and performers from across the nation in experiencing the thrill of the Manitoba Airshow! The family-friendly event will feature aerial performances, ground-level entertainment and more!

For tickets and more information, visit <https://mbairshow.ca>

2024 MEMBER COMPANIES



2024 ASSOCIATE MEMBER COMPANIES





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.

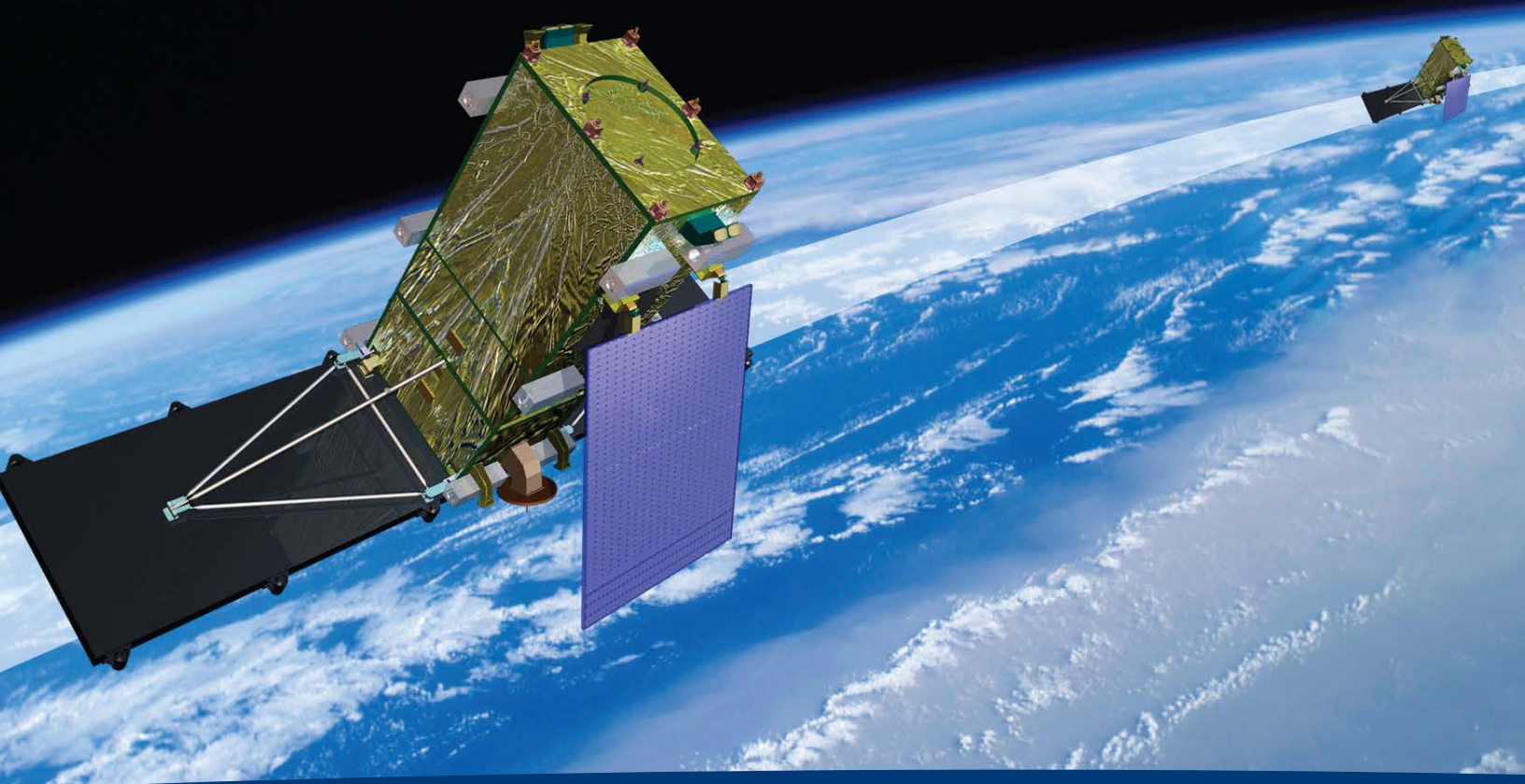
If your company is looking for a partner with access to North American markets and advanced aerospace technology, look to the Manitoba aerospace industry. If you are seeking a cost-competitive site to do business, look to Manitoba, Canada. If you need a source of aerospace component manufacturing or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



**MANITOBA
AEROSPACE**

5 Donald Street – Unit 440
Winnipeg, Manitoba R3L 2T4

Tel (204) 272-2952
Email info@mbaerospace.ca
www.mbaerospace.ca



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