



MANITOBA  AEROSPACE
ANNUAL REPORT

20
23





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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 16, 2023

More info: <http://bit.ly/2ZmjT7g>

Download the Nomination Form at <https://bit.ly/3hZNVdM>

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MESSAGE FROM THE CEO

Wendell Wiebe

This past year, we have seen a return to a “new normal”. People are travelling again and are purchasing airline tickets more frequently and industry experts project a return to pre-covid passenger numbers by late 2023 or early 2024. A healthy aviation sector will lead to a healthy aerospace sector.

Three key items from last fiscal year (April 1, 2022 – March 31, 2023).

1. Status of Women’s Program – “Women Transitioning to Careers in Aerospace”. This was an 18-week course which included a work-integrated learning phase at StandardAero. 13 women started the program and 10 finished and were offered fulltime, permanent positions.
2. As a result of the member survey that was completed in the fall of 2021, Manitoba Aerospace started exploring Cluster development in October 2022. We hosted three workshops, one focused on aerospace manufacturing, one focused on MRO and the last one with Boeing, Magellan, and StandardAero. 12 member companies participated, and I subsequently reached out to an additional five of our other member companies to get their perspective. We will use the information you have shared to reach out to other organizations that may have the capabilities to become part of the aerospace supply chain in Manitoba.
3. 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.

I have also met with the Minister of Economic Development, Investment and Trade five times over the past year. With each meeting, I continued to highlight the significant contributions the aerospace industry continues to make to the Manitoba economy and the highly skilled jobs in aerospace. We continue to look for ways to work together.

Over the year, we have been working on a number of Economic Development Initiatives: a) the establishment of a Regional Air Mobility project in Manitoba; b) I was invited to be part of the Boeing Supplier Awareness events in January 2023 and was able to make suggestions to the organizers about which member companies and educational institutions Boeing should interview; and c) we have held preliminary discussions with key industry players and the Manitoba Government on

the viability of a Sustainable Aviation Fuel initiative in Manitoba.

I have participated in several Trade Shows over the past year: Aerospace, Defense and Security Expo (ADSE) in Vancouver (Aug); AIAC’s Summit (Nov); OAC’s Aerospace Unplugged (Dec); Pacific Northwest Aerospace Alliance Conference (Feb); and Aero Montreal’s Global Supply Chain event (April). I am also scheduled to attend the Air Show in Paris this June.

Manitoba Aerospace was so glad to begin reinstating in-person events:

- Networking Breakfasts. In April 2022, we introduced Nick Hays the New President and CEO of the Winnipeg Airport Authority to our membership. Our second Networking breakfast took place in September 2022 where we focused on recruitment activities and heard presentations from Staff Max, a consulting firm who is supporting family members or retirees from 17 Wing; YES Winnipeg’s Foreign Recruitment Initiative and Price Faculty of Engineering’s Co-Op programs. In January 2023, we hosted Manitoba Institute of Trade and Technologies (MITT) to highlight their Cyber Security programs and capabilities.
- Fund Raisers: We had over 70 golfers participate in the Manitoba Aerospace Annual Golf tournament (Aug) and we hosted our Manitoba Aerospace Awards Dinner (Nov). Over 200 were in attendance to hear the accomplishments of 10 companies/individuals who had been recognized for Excellence over the past three years.

I would like to take this opportunity to thank Rob Dyas of Babcock, our Board Chair, and the rest of the Board of Directors for their ongoing support. We are proud of our accomplishments but could not do what we do without the leadership and support of the Board.

I also need to acknowledge the staff of Manitoba Aerospace. We are a good team that works well together. We have achieved a lot this past year, it was due to the collaborative efforts of the entire team. This past year, there have been a few staff changes. In April 2022, we hired Raquel Coto-Gonzalez, as our Social Media and Events Coordinator; and in February, 2023 we hired Jennifer Lavallee as our Recruitment and Training Coordinator.

In closing, I hope the AGM Report provides you with a snapshot of what Manitoba Aerospace achieved this past year. 2023-2024 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 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 Avitav 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), CGA, 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. She also received her Canadian CGA designation in November 2012.

Heidi Abraham, *CGA, 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 Cote-Gonzales, *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, Karleigh Danowski, Magellan Aerospace, Winnipeg; Amanda Extence-Robinson and April Scrapneck, StandardAero; Drew Mitchell, Boeing Canada Winnipeg; Deanna Talbot, Southport; Wendell Wiebe, Barbara Bowen, Raquel Coto Gonzalez, and Heidi Abraham, Manitoba Aerospace. Many thanks to Terry Trupp, Boeing Canada Winnipeg retiree (2020) and past committee chair/member, for continuing her support with events into mid-2023 and to Ken Webb, retired executive director of Manitoba Aerospace Association for continuing to be 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.

Contrails Newsletter

The Contrails newsletters is sent via email and includes news from within the local aerospace sector.

Aerospace Week 2022 (June 13-17)

The week included the Manitoba Aerospace Annual General Meeting on June 15th, held at the new location of the Royal Aviation Museum of Western Canada. The meeting also celebrated Manitoba Aerospace's 30th anniversary. On June 17th, the week wrapped up with Aerospace and Aviation in Manitoba Day, also held at the museum. 700 grade 6 students had the opportunity to participate in six (6) hands-on aerospace and aviation activities. Teachers, students, and volunteers all had a fun and enjoyable day.

Manitoba Aerospace Golf Tournament

The 2022 golf event was held on August 24th at Larter's Golf and Country Club. Out of an abundance of caution based on the state of affairs at the time, specific tee times were organized, rather than a shotgun start, and there was no evening dinner. The event was a great success with more than 18 golf teams formed from our member companies. The weather was beautiful and everyone enjoyed a day on the links.

All-Stars Awards of Excellence Dinner

The 2022 Manitoba Aerospace All-Stars Dinner and Awards Gala was held on November 24 at the Victoria Inn. This was a special year, as it encompassed three years' worth of awards, due to the postponement of the 2020 and 2021 events due to the pandemic. Over 200 people attended, and more than \$14,473 was raised for the Manitoba Aerospace Student Endowment Fund. Special thanks to the committee who always help to make this annual event a success. Mark your calendars for the 20th annual Manitoba Aerospace All-Stars Awards Dinner and Gala, which will be held on November 23, 2023 at the Victoria Inn.

Manitoba Aerospace Social Media in 2023

Our social media platforms followers have been on a steady rise this past year. Manitoba Aerospace's social media platforms aim to deliver engaging content and information about aerospace and aviation career pathways and workforce development while highlighting our educational partnerships and member companies. Statistics include:

LinkedIn - our page currently has 5.4 k followers.

Facebook - our page currently has a combined 4.6 k likes and followers.

Twitter - our page currently has 883 followers.

Instagram - our newest platform currently has 736 followers.

Yearly totals, across platforms:

- Posts across networks: 615
- Post impressions across networks: 297 k
- Post reach across networks: 170 k

The posts that received the most reach and engagement were: scholarship postings; job postings; Aerospace Manufacturing and Maintenance Orientation Program (AMMOP) postings.

Save the date

August 23, 2023

Larters at St. Andrews Golf & Country Club

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



MANITOBA AEROSPACE



GOLF TOURNAMENT

**Sponsorship
Opportunities
Available!**

To register, please contact:

Peter Ewert (204) 334-2107 ext. 204 | pewert@larters.com

Summary of Activities

WORKFORCE DEVELOPMENT

Manitoba Aerospace's Workforce Development Pillar is comprised of four key areas: Training of Existing Employees, Career Awareness, Engagement and fostering partnerships with local educational institutions: Faculty of Engineering at the University of Manitoba; Red River College Polytech – Stevenson Campus; Neeginan College of Applied Technology, Tec Voc High School, MITT and local consultants. Manitoba Aerospace works with companies who want to increase the skills of current employees by offering specific training opportunities. We also work with our member companies and our educational partners to develop a skilled workforce to try to ensure a steady supply of students into training programs and workers into aerospace careers. Manitoba Aerospace collaborates with a variety of community partners to ensure that Manitobans become more aware of aerospace careers as well as the established educational pathways to those careers. From 2019 through the 1st quarter of 2023, during and after the Pandemic, we interacted both virtually and in person with 42639 individuals, 24,736 more than our target of 17903.

RECRUITMENT OPPORTUNITIES

Manitoba Aerospace also collaborates with YES! Winnipeg as they work to promote Winnipeg, Manitoba as the ideal location for new business, investment opportunities and top talent. YES! Winnipeg is Economic Development Winnipeg's business development team.

YES! Winnipeg's team of experts serve as a concierge for businesses, making it easy to grow and invest in Winnipeg through a suite of specialized services, market intelligence and business connections. YES! Winnipeg is driven by a community of local business leaders and responds directly to industry needs.

YES! Winnipeg is focused on assisting business retention, expansion and attraction, with specialized focus on key sectors which include but are not limited to the following:

- Advanced Manufacturing
- Aerospace
- Energy & Environment
- Financial Services
- Transportation & Distribution

On May 10th, 2023 YES! Winnipeg presented to the Manitoba Aerospace HR Committee about their European, hybrid-format recruitment mission that took place in Germany and Austria this early June. YES! Winnipeg shared their "360-degree support" approach that includes information on logistics, immigration facilitation and more.

To facilitate the missions, the YES! Winnipeg team is using the Work in Manitoba job portal administered by Economic Development Winnipeg. This resourceful online tool allows interested employers to source candidates and demonstrates the abundance of career opportunities that exist for skilled workers in Winnipeg, Manitoba.

The Work in Manitoba Job Portal has more than 17,000 candidate profiles that are available to nearly 1,100 local employers. The portal's capabilities also allow for local employers to connect with job seekers within Canada as well as internationally based on qualifications and career interests.

Source: Economic Development Winnipeg, YES! Winnipeg



Women Transitioning to Careers in Aerospace Initiative

Background

In November 2021, Manitoba Aerospace submitted a proposal to the Manitoba Status of Women Secretariat to request the funds to run a program to help women transition to careers in aerospace. The plan outlined an 18-week initiative that offered up to 15 women and/or those who identify as women, the opportunity to learn basic technical skills for 12 entry-level positions within StandardAero.

The Initiative

The contract from Manitoba Status of Women Secretariat was signed on February 2, 2022. In order to fulfill the agreement, we leased the Gas Turbine Repair & Overhaul training facility from Neeginan College to run evenings and weekends. As we had to fit into both Neeginan College and StandardAero schedules, we agreed to start the program on February 28th, 2022 – a very fast turnaround time!. After promoting the program in early to mid-February via email and social media postings, we had 69 interested women sign up and we sent out 67 invites for one of three information sessions that were held on February 16. However, only 23 women showed up on the evening of February 16 – the fast turn-around time was likely a factor but the weather was also brutally cold and stormy that night. Reps from StandardAero, Manitoba Aerospace and the lead instructor from Neeginan College were on hand for the information sessions. Interested women were asked to forward proof of Grade 12 and their resumes by Monday, February 21 to Manitoba Aerospace. We received 18 applications. StandardAero created staff panels to do zoom interviews on February 22, 23 and 24. Then the HR department forwarded their top 12 recommendations from the interviewees to Manitoba Aerospace on February 25. To top up the class to 15 participants, we included 3 other applicants that showed promise. Offers to join the class were forwarded to the candidates on February 25th. The breakdown of countries of birth of the candidates was: China (4); Philippines (3); Belarus (1); and Canada (4 Non-Indigenous and 3 Indigenous). Two candidates contacted us immediately to say they were not going to go forward in the program at that time.

The Women Transitioning to Careers in Aerospace program started on Monday, February 28 with 13 very excited and enthusiastic women in attendance. One of the participants dropped out of the course during the second week of the program as she had decided that she really wasn't interested in pursuing a career working on gas turbine engines. 12 women attended Neeginan College for 10 weeks from February 28th to May 5th, 2022 and the work integrated learning started at StandardAero on May 9 for 8 weeks – ending June 30th, 2022. At the end of the Neeginan training phase, one of the participants approached us to say that she loved the training and enjoyed her time in the program but wanted to take advantage of the experience by returning to University in the Fall. She was seriously considering taking engineering via the Engineering Access Program (ENGAP) for Indigenous students at the University of Manitoba. The remaining 11 women did well in the program despite 5 of the participants being inflicted with COVID-19 and having to adhere to isolation protocols as well as the overall horrid winter weather including a blizzard which forced the school to be closed and the cancellation of several classes. It should be noted that all of the women met the aerospace requirements for TOWES and all but one of them passed the technical

training with scores of over 90% - the other scored over 80%. On May 9th, 11 highly excited and motivated women started the work-integrated phase of the training at StandardAero. Unfortunately, one of the participants had to leave the program in early June. The remaining 10 women thrived during their time in the work-integrated phase at StandardAero. They received high praise for their work ethic, ability to learn, teamwork, communications skills, etc. In fact, the women from Women Transitioning to Careers in Aerospace achieved a milestone that thrilled their trainers. The whole class passed their first written test at StandardAero, which is highly unusual in the experience of the trainers, who reported that, in most other groups of trainees, there is at least one participant who does not pass the first test.

Results

On June 13th, 2022, StandardAero made permanent, full-time job offers to 9 of the remaining 10 women to start on July 11, 2022. Unfortunately, the 10th woman had glitches in her Controlled Goods documentation and was unable to proceed at that time. The specific job roles that were identified for the women included: 4 inspector roles, 4 in building modules, and 2 in engine final build. StandardAero has now developed individual training plans for each of the women which will reinforce their strengths and help them develop further skills. StandardAero representatives deserve a great deal of recognition. The reps were incredibly supportive of this initiative and worked diligently to help overcome challenges and potential barriers. The StandardAero training department were incredibly supportive and impressed with the women participants. They credited the hard work and determination of the participants for the success of the program. This program was also recognized very favorably by senior leadership within StandardAero. The VP of HR asked the local staff to write an article about the program that was distributed to all of StandardAero's sites around the world via their internal intranet as a shining example of diversity within the workplace.



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

2023 Indigenous Aerospace and Aviation Showcase

The Indigenous Aerospace and Aviation Showcase started in January 2020, and was developed in partnership with the Centre for Aboriginal Human Resource Development (CAHRD) and Manitoba Aerospace. The January 2020 event was hosted in-person at the Aboriginal Centre. In 2021 and 2022, due to COVID-19, we had to pivot to on-line events but were able to successfully continue from the momentum established in 2020. Designed to promote and inform Indigenous people and their communities about the career opportunities within the aerospace and aviation industries, the 2023 Indigenous Aerospace and Aviation Showcase had over 150 in-person attendees with more than twenty companies and educational partners at information booths. Unfortunately, CAHRD was unable to host the 2023 event, but we moved it to the Hilton Hotel and the participants heard stories from Indigenous employees who are currently in the aerospace and aviation industry.

The Keynote Indigenous Speakers were:

- Steven Vitkauskas, an AME apprentice with a diploma from the Saskatchewan Indian Institute of Technology and Aviation Learning Centre who is employed at Keewatin Air
- Albert Ducharme, Senior Operations Manager at Boeing Winnipeg
- Blaine McIvor a Gas and Turbine Technician who studied at Neeginan College of Applied Technology
- Timothy Atik Mason from Perimeter Aviation, a class 3 instructor at Moncton flight college, and cultural lead for the Atik Mason Indigenous Pilot Pathway at Exchange Income Corp
- Silas Meeches, a CNC programmer from Magellan Aerospace

There were also speakers who explained some educational pathways into industry:

- Dr. Niigaan Sinclair from the University of Manitoba,
- Eucharia Ogums and Cindy Monkman from CAHRD
- Sylvia Martin from Tec Voc High school,
- Daniel Hemond from RRCP – Stevenson Campus We were also honoured to be joined by Wayne Starr with his granddaughter and hoop dancers in performance with the "Singing Wolf" drum group.

Since its beginning in 2020, a total of 1,564 participants (2021 and 2022 were held virtually so could host larger numbers than at in-person events) and over thirty companies have attended. These numbers show CAHRD and Manitoba Aerospace's ongoing support towards educational initiatives that help remove barriers for Indigenous people who are interested in careers in aerospace and aviation.

A big shout out to SkyAlyne for being the Premier Sponsor of the 2023 Indigenous Aerospace and Aviation Showcase. Your support help make the event a great success. Other participating companies and educational institutions also contributed to generous prizes such as a discovery flight from Harv's Air and a Samsung galaxy tablet. The Indigenous Aerospace and Aviation Showcase's growth over the years bodes well for continued success in the years to come.



Winnipeg School Division #1 partners with the Royal Aviation Museum of Western Canada

The new Royal Aviation Museum of Western Canada opened in May 2022. The CEO, Terry Slobodian, spoke at the Manitoba Aerospace AGM in June 2022 and talked about his desire to collaborate with industry and educational institutions to inspire students to pursue careers in aviation and aerospace. As a result, the Winnipeg School Division and the Royal Aviation Museum of Western Canada have now partnered together to help students learn about various career paths that can lead to careers in aviation and aerospace.

With 78 schools, the Winnipeg School Division is the largest of six public school divisions in Winnipeg, as well as the largest and oldest school division in Manitoba. Its schools collectively teach over 33,000 students in central Winnipeg.

By exploring the history and participating in engaging, hands-on STEM (Science, Technology, Engineering & Math) activities, students from a variety of age groups and socioeconomic backgrounds will have the opportunity to learn in this inspiring environment.

Initiatives of this partnership have included 3 different grade 5/6 classes that were immersed in learning experiences in aviation-related activities for a full week in March at the museum. The museum was their classroom – rich in meaningful learning connections which will continue in their own school classrooms. Then in mid-April, 70 high school students participated in Discovery Days, where they were engaged in workshops and activities in collaboration with our industry partners. The aerospace and aviation companies/organizations that both sponsored and provided mentors include: Magellan Aerospace, Calm Air, Volatus Aerospace, Delphi Technology Corp, Babcock International, Boeing Winnipeg, 17 Wing, Harv's Air, StandardAero, UMSAE, Stars Winnipeg and Manitoba Aerospace.

The next stage of the partnership includes the development of a more in-depth exploration course and will include days at the museum and mentorship activities to learn about pathways to careers in aviation and aerospace.

Without the commitment of this collaboration, many students would never have the opportunity to participate in this learning experience. By partnering with industry, both the Royal Aviation Museum and the Winnipeg School Division are working on bridging the gap and strengthening connections between education and industry. At the Museum there is a quote that says, "the sky is not the limit" and through these experiences, it is hoped that the students will be inspired by history to pursue their own goals for the future.



AAiM Day 2023

Manitoba Aerospace has been hosting AAiM (Aerospace and Aviation in Manitoba) Day annually since May 2007. In partnership with a number of community and educational organizations as well as member companies, we have created an event that allows students to participate in hands-on activities that are based on concepts from the Flight module of the Grade 6 Science curriculum. A goal of AAiM Day is to help students, teachers and parents become aware of the thriving aerospace and aviation sectors in Manitoba as well as gain an understanding of the types of careers available locally and the educational pathways to those careers.

2022 should have been our 15th anniversary but, unfortunately due to COVID restrictions, we had to cancel AAiM Day in 2020. However, in 2021 we were able to pivot and hosted AAiM Week via VR City – Let's Fly, a virtual reality platform which is designed and operated by Delphi Technology Corp. AAiM Week 2021 was a big success and showed us how we can now use Delphi's VR platform to include more rural and northern schools in AAiM activities which is exactly, thanks to our Premier Sponsor – Babcock, what we were able to accomplish in 2023.

The first 13 years of AAiM Day were hosted at Red River College Polytechnic – Stevenson Campus but due to COVID-19, RRC Polytechnic has not allowed 3rd party events to be hosted on their sites. However, as in 2022, we were excited to be invited to host our in-person AAiM Day at the new Royal Aviation Museum of Western

Canada (RAMWC) on May 25th, 2023. It is an incredible venue and was a fantastic event! 17 local schools attended - ½ in the morning and ½ in the afternoon – for a total participation of 790 Grade 6 students, 76 teachers and chaperones. There were also over 100 volunteers from member companies and educational partners who also signed up for the day. The students were organized into groups of approximately 32 and took part in six 17-minute hands-on activities in the following areas: Viscount Theatre (flight crew), Rocketry, Flight (paper airplanes), Working in Space, Composites and a fantastic Aircraft Static Display on the airside ramp including aircraft belonging to the museum, KF Aero from Southport provided 2 military helicopters (Bell 412 and a Bell 206) and 6-person team to take part in the static display. Our 2023 AAiM Week Premier Sponsor, Babcock Canada, also supplied us with a CL-215 (Water Bomber) for the Aircraft Static Display.

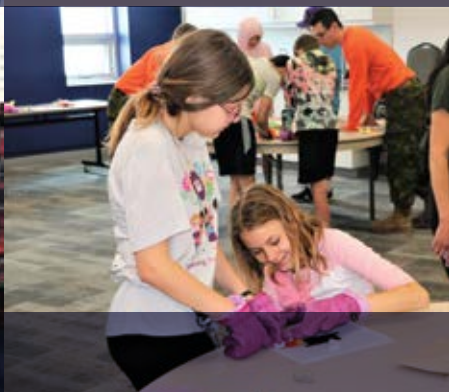
AAiM Day was a big hit with students and teachers alike and the biggest complaint we heard was that they wished they could have spent more time at the venue.

The AAiM Day organizing team includes representatives from: Boeing Canada Winnipeg, Magellan Aerospace, StandardAero, Manitoba Aerospace, Career Trek, Tec Voc High School, Delphi Technology Corp., Manitoba Aviation Council, Women in Science and Engineering (WISE), 17 Wing, William G. Barker VC Aerospace College and Plan-It Management.

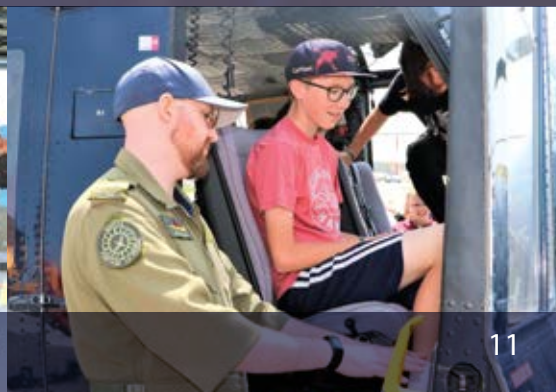
Thank you to Babcock, the organizing committee and all of the wonderful volunteers. If we didn't have your support, we couldn't host AAiM Day.



2023 AAiM Day



2023 AAiM Day





2022 Girls in Aviation Day



Aerospace & Aviation in Manitoba (AAiM) Day
June 17th 2022



2022 All Star Awards

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.

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.



AEROSPACE MANUFACTURING & MRO CONFERENCE

The Future is Now • May 2-3, 2023 | Winnipeg, Canada

Manitoba Aerospace hosted the **Aerospace Manufacturing & MRO Conference - The Future is Now** in Winnipeg on May 2-3, 2023. What a great event! Almost 200 delegates were on hand to hear from an incredible list of national and international aerospace/aviation experts and thought leaders.



Things looking up for Manitoba-based aerospace industry

Flying toward a great future

MARTIN COHEN



Winnipeg, but that's not the case," he said. "It is still a very important part of our company."

In addition to being the largest of the company's 51 sites around the world, it has long had a strong aerospace focus.

"The business that Raytheon created here is a real backbone for the company," Proble said. "But Winnipeg has a long and strong manufacturing tradition that supports our global work."

However, the entire industry is dependent on the global market.

The global demand for aircraft is about 80,000 commercial aircraft over the next 20 years, according to the International Air Transport Association (IATA).

"It is going to be a real challenge to get the manufacturing that we need to get to meet that demand," Proble said.

Proble said that one of the biggest challenges is getting the manufacturing that we need to get to meet that demand.

Conference Agenda | DAY 1 - Tuesday, May 2, 2023

9:30 - 11:00	Room 5 Federal Government Defence Procurement process & Industrial and Technological Benefits (ITB) Policy Workshop Stewart Campbell , Senior Analyst - Industrial and Technological Benefits (Aerospace) Prairies Economic Development Canada / Government of Canada Joe McKellep , Outreach Specialist Public Services and Procurement Canada
	Room 6 B2B Meetings (must pre-register)
11:00	Registration - Networking - Exhibits
12:00	Room 1 Conference Opening & Lunch Room 1 Aerospace in Canada - Updates from AIAC
	Room 1 Dr. Mouhab Meshreki , Director General Aerospace Research Centre National Research Council Canada Innovations in Aerospace technologies
	Room 1 Leighton Storsley , Vice President - Aftermarket and Business Development De Havilland Aircraft of Canada De Havilland's future and expanding their Canadian supply chain
1:30	Room 1 Networking Break - Exhibits Breakout Sessions
	Room 3 Manufacturing Stream Room 4 MRO Stream
2:00	Chris Howe , Lead Operating Officer Canadian Advanced Air Mobility Consortium Zero-emissions Future for Aviation Tanis Ostermann , Principal & Founder CanSustain What is ESG? Why should it be adopted by companies?
2:30	Brandon Robinson , Co-founder and CEO Horizon Aircraft An Innovative Canadian OEM Building a Better Future Jörg Oberste-Berghaus , Senior Research Officer National Research Council Canada Advancements in High-Performance Thermal-Sprayed Coatings in Aviation
3:00	Networking Break - Exhibits
3:30	Room 1 Louis Brunet , Managing Director Canada Collins Aerospace Growth in Canada and in green technologies
4:00	Room 1 Charles S. "Duff" Sullivan , Country Leader, Managing Director, President Boeing Canada Operations Ltd. Boeing Canada: Past, Present and Future Room 1 Networking - Exhibits
4:30	Bus Departure - Convention Centre to Opening Reception (return shuttles at 6:30 & 7:30) Local Delegates - welcome to go direct to Aviation Museum (complimentary parking on-site)
5:00 - 7:30	Welcome to Winnipeg Reception Join us for this exclusive networking event! You won't want to miss this networking event at the new world-class facility that celebrates Canada's aviation and aerospace heritage and inspires future generations of aviators and innovators.
2	

Conference Agenda | DAY 2 - Wednesday, May 3, 2023

7:15	Registration - Networking - Breakfast - Exhibits
	Day 2 Opening
8:00	Room 1 Niigaan Sinclair , Professor & Acting Head, Dept. of Indigenous Studies, Faculty of Arts Professorship in Indigenous Knowledge and Aesthetics University of Manitoba Partnerships for economic and workforce development
8:30	Room 1 Benoit Breault , Director, Research and Technology Bombardier Challenges to overcome and technologies needed in the next decade
9:00	Networking Break - Exhibits
	Room 3 Manufacturing Stream Room 4 MRO Stream
9:30	Brian Gallant , CEO Space Canada Future outlook for the Space Industry in Canada Robert Donald , Executive Director and CEO & Bev Picton, Training Manager Canadian Council for Aviation & Aerospace Workforce development strategies for the future
10:00	Marcus Kremers , CTO and Shareholder Airborne Innovations in Robotics & Automation in Composite Manufacturing Rick Reid , Executive Director Supply Chain Canada - Manitoba Strategies to Optimize your Supply Chain
10:30	Networking Break - Exhibits
11:00	Room 1 Rahul Gangal , Senior Partner & leader of Auto & Industrials, Canada & A&D for Americas Roland Berger Global Outlook for the Aerospace Industry
11:30	Room 1 Pierre Cardin , Head of Public Affairs Canada, Airbus Representative for ICAO Airbus Vision for growth in Canada
12:00	Room 1 Lewis Prebble , President, Airlines & Fleets StandardAero Growth of the MRO Industry
12:30	Room 1 Conference Closing & Lunch
2:00 - 5:00	Room 6 B2B Meetings (must pre-register)

2023 MEMBER COMPANIES



2023 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.

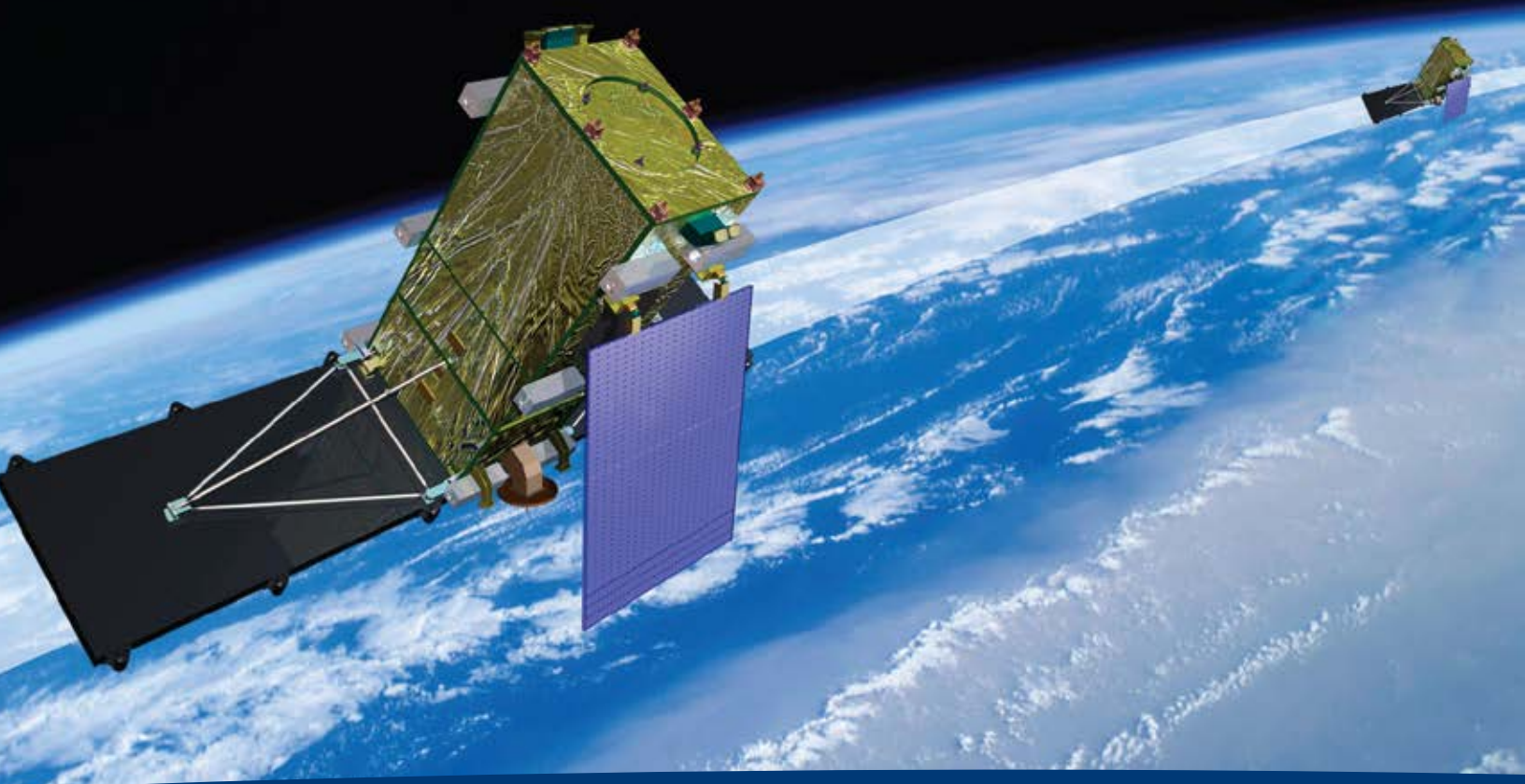
If your company is looking for a partner with access to North American markets and advanced aerospace technology, look to the Manitoba aerospace industry. If you are seeking a cost-competitive site to do business, look to Manitoba, Canada. If you need a source of aerospace component manufacturing or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



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