

Contrails

MANITOBA AEROSPACE

A PUBLICATION OF THE
MANITOBA AEROSPACE ASSOCIATION
MARKETING COMMITTEE

DECEMBER 2012

NEWS • EVENTS • INFORMATION



MESSAGE FROM THE EXECUTIVE DIRECTOR - KEN WEBB



As the end of the year closes in, it brings us to reflect on the year that is ending and to anticipate the new one to come. The 2012 year had many highlights for the MAA and its members, and 2013 is promising to be equally full of opportunities and challenges.

One of the biggest projects of the year was the federal Aerospace Review. A once in a generation strategic review of how federal policies and programs can be improved to help maximize the competitiveness of Canada's aerospace industry, the process was co-led by industry through the Aerospace Industries Association of Canada (AIAC).

The report acknowledges that aerospace is a strategic industry for Canada, recommends that it be designated as such, and urges Canada to revise its policies and practices to reflect the international environment where we compete, not only with the larger aerospace nations of the US, UK, France and Germany, but also with the ambitions of China, Russia, Brazil, India and emerging nations in Asia, Latin America, the Middle East and Africa. The governments in all these countries have strategic agendas and are eagerly investing in their aerospace industries.

The report and its 25 recommendations have been

well received by industry, but the real value will be in its implementation. The aerospace associations and their members are taking a leadership role in that next phase, and we expect to see the beginning of the government's response in the spring budget.

In an industry driven by quality and excellence we had much to celebrate this year. Corner Group Industries was named a top 50 contractor in the Canadian Defence Review, and Magellan, Boeing Canada Operations and StandardAero were all named as Top 25 Employers in Manitoba.

StandardAero received the 2012 Canadian American Business Council (CABC) Achievement Award with GE Aviation of Cincinnati for their collaboration in designing and building the engine testing, research and development test centre in Winnipeg. The award is presented to a partnership between a Canadian and US company that demonstrates profitability, job creation, financial strength, environmental responsibility and exceptional innovation.

A team of three students from Argyle Elementary School was selected as the only Canadian group from 1,254 proposals to send a student designed experiment to the International Space Station next spring. The University of Manitoba engineering students came first in North America and second in the world in the SAE Aero Design competition and second overall in the Canadian Satellite Design Challenge. Red River College was awarded a five year NSERC Innovation award to create an aerospace technology access centre and Tec Voc and the Manitoba Aerospace Human Resources Council (MAHRC) won the 2012 Global

Inside this issue:

MAA All-Stars Awards Dinner.....	Page 3
MAA Golf Tournament.....	Page 5
StandardAero Receives Award.....	Page 6
Competitive Edge.....	Page 5
RRC Opens A2i2.....	Page 8
CNDI Ribbon Cutting.....	Page 9
A Message from the MAA President.....	Page 10
Manitoba Aerospace Events.....	Page 11



MESSAGE FROM THE EXECUTIVE DIRECTOR - KEN WEBB (CON'T FROM PAGE 1)



Best Award from the International Partnership Network.

And of course, we have our own MAA All-Stars Award winners; Rudy Braun (Boeing Canada Operations Limited); The Magellan Black Brant Rocket Team; and the Design Approval Organization (DAO) Team from EMTEQ Canada, who were all recognized for excellence and outstanding achievement at our 2012 awards dinner in November.

In addition to the all the awards, there were a number of other notable milestones during 2012. In June GE named StandardAero as an authorized service center for CF34-3 engines, while announcing Standard's delivery of the 1,000th CF34 engine. In October Red River College, Magellan and Western Economic Diversification announced the opening of the Centre for Non-Destructive Inspection (CNDI) and in December Magellan delivered the first of more than 1,000 F-35 horizontal tail fin assemblies to BAE. The CNDI is accessible to all of industry through RRC.

After the Farnborough and Abbotsford International airshows in the summer, the fall became busy back at home. AIAC Vice President Lucie Boily provided an update on the Canadian Aerospace review at our joint MAA/MAHRC AGM, and the highly successful Manitoba Aerospace Golf Tournament and All-Stars Awards dinner events raised more than \$25,000 for the Aerospace Student Endowment fund.

The follow-up benchmarking was completed for the five companies engaged in the Competitive Edge Supplier Development program, with the aggregate results showing a significant overall advancement in their scores and their journey to world-class.

We welcomed five new associate members to the MAA this year, including TDS Law, West Canitest R&D (WestCaRD), the Canadian Light Source (Saskatoon), the University of Manitoba Technology Transfer Office and the Hilton Winnipeg Airport Suites. Andrew Thompson from TDS Law was also appointed Honourary Legal Counsel for the association.

Foreign Affairs and International Trade Canada brought business delegations from Spain and China to look for business and partnership opportunities in Manitoba. Earlier in the year they had brought a group of foreign journalists who were touring Canada's aerospace industry on behalf of their European and Japanese trade journals. Gary Goodyear, Minister of State for Science and Technology, met with the MAA to discuss industry challenges and opportunities and then toured the StandardAero/GE Aviation Testing Research & Development Centre (TRDC). The MAA also participated in the federal government's pre-budget consultations with Ministers Toews and Fletcher.

The University of Manitoba initiated discussions with industry and the RCAF about a new program for new and aspiring managers. They are designing a post-baccalaureate Aerospace Systems program which could lead into masters programs in Business Administration, Engineering and Public Administration.

As we head towards the end of the year we are working with the Manitoba government to update the Manitoba Aerospace Directory and with Economic Development Winnipeg to help identify strategic priorities for the aerospace industry. Combined with the Technology Strategy workshop planned for January 16th and 17th, this will give us a good start on developing a strategic plan for Manitoba's aerospace sector.

We are also heavily engaged in the planning of next year's Western Aerospace Expo, a premiere Canadian aerospace conference which was last hosted in Winnipeg in 2009. These last three initiatives, along with the implementation of the Emerson review, will be a prime focus for the first half of 2013.

In a few more days the days will start getting longer, the jolly man in the red suit will have come and gone, and the holiday season will yield to another new year full of opportunities and challenges. May it bring prosperity to your business, good health to your friends and family, and peace to us all.

Cheers



MANITOBA AEROSPACE ALL-STARS AWARDS OF EXCELLENCE DINNER

The 11th Annual Manitoba Aerospace All-Stars Awards of Excellence Dinner took place on Thursday, November 15 at the Victoria Inn in Winnipeg. Below are this year's recipients:

Rudy Braun - Boeing

Award of Excellence for Business Growth and Process Improvements

Doug Peters, Rui Dias, Ian Stewart, Dominique Duguay and Francois Bechette - DAO Team (Design Approval Organization) EMTEQ

Award of Excellence for Teamwork

Black Brant Rocket Team - Magellan Aerospace

Award of Excellence for Technology Development

The dinner was a great success and raised more than \$15,000 for for the Manitoba Aerospace Students Awards Endowment Fund. Congratulations to the all of the award recipients.



Rudy Braun



Black Brant Rocket Team



Doug Peters, Rui Dias, Ian Stewart, Dominique Duguay and Francois Bechette

MANITOBA AEROSPACE ALL-STARS AWARDS OF EXCELLENCE DINNER THE NIGHT IN PHOTOS



MANITOBA AEROSPACE ALL-STARS AWARDS OF EXCELLENCE DINNER THE NIGHT IN PHOTOS (CON'T)





MANITOBA AEROSPACE ASSOCIATION GOLF TOURNAMENT

The Manitoba Aerospace Association held its 2nd annual golf tournament on Thursday, September 13, 2012. It took place on a somewhat sunny afternoon at Bel Acres Golf and Country Club.

The tournament was a Texas scramble and raised over \$10,000. The money raised will be put towards the Aerospace Student Awards Endowment Fund.

The following photos are some of the teams who participated in the day's tournament.



STANDARDAERO RECEIVES AWARD



StandardAero and GE Aviation were announced as this year's winners of the prestigious 2012 Canadian American Business Council (CABC) Achievement Award. The award was for collaboration in the design, development and installation of the state-of-the-art GE Aviation Testing Research & Development Centre (TRDC) in Winnipeg.

The CABC Achievement Award is presented to a partnership between a Canadian company and a U.S. company that meets the following criteria: sustained profitability, job creation, financial strength, environmental responsibility and exceptional innovation. There is only one winner per year and the StandardAero/GE Aviation nomination was in competition with dozens of nominations from diverse sectors throughout North America for the award.

According to one of the panel judges, the selection committee not only was impressed by the working partnership between the two companies, but also by the innovative impact our solution has on improving the safety of air travel in North America. "The partnership is a strong example of how two companies have come together to make use of their respective areas of expertise and

innovate a technology that will contribute to the industry and the community," said Jordan Robinson of J.C. Flowers & Co and Chair of the 2012 Judging Panel.

Below is a photo from the award presentation ceremony held in Ottawa, Canada. Kim Olson, SVP, Helicopters, Energy & Engineering and Brent Ostermann, Director, Engineering were in attendance to accept the award for StandardAero. For more info on the CABC and the award event, check out the link: www.canambusco.com



COMPETITIVE EDGE SUPPLIER DEVELOPMENT PROGRAM



The Competitive Edge Supplier Development Program (CESDP) continues to support the growth and improvement of Manitoba Small to Medium Size Enterprises (SMEs) in the aerospace, defence, and advanced engineering sectors. Over the past year and a half, the first group of companies enrolled in the program have risen to the challenge of making significant business process improvements. Following a thorough second series of benchmarking at each company, 80% have now achieved the Performer

Category. Some of the CESDP enrolled companies are on the cusp of being assessed as Contenders, which represents the top 20% of all companies enrolled in the program worldwide. We congratulate all our CESDP enrolled organizations, the CESDP champions at each organization, and the industry mentors who support them. We also thank our CESDP training and coaching resources, whose focus on making the aerospace and defence industry in Manitoba a global powerhouse has been clear.

Improvements to the capabilities of the enrolled companies have strengthened these organizations and enhanced their competitive advantages within the global marketplace. The improve-



COMPETITIVE EDGE SUPPLIER DEVELOPMENT PROGRAM (CON'T)

ments have also increased the capability of the Manitoba aerospace industry as a whole. However, while the companies have experienced success, there is more work to do. Where it comes to global competitiveness, a Toyota employee newsletter stated it very well: “Never take a step backward - sideways, diagonally, up, down, but never back.” So while continuing to enhance their business operations with the new world class Leadership, Strategic Business Planning, Lean, and Project Management Capabilities they’ve attained, the companies are also determining the next series of steps that will further enhance their global competitive advantage. With momentum from their first learning period behind them, the companies are well positioned for ongoing success in the future.

As Competitive Edge Program Managers, the Manitoba Aerospace Human Resources Council (MAHRC) supports the growth and development of enrolled SMEs in key CESDP Organization Competencies that are the differentiators in the global economy. These competences, known as the CESDP Foundation Processes, involve world class Leadership, Strategic Business Planning, Skills Development and Planning, Lean, Make vs. Buy, Innovation, Project & Risk Management, e-Business, Collaboration, Facilities Management, and Sales & Operations Planning.

MAHRC will continue to provide leadership and management of the CESDP. We will support our SMEs to ensure the Manitoba aerospace and defence industry supply chain can be positioned for global success in the future. We are continuing to refine the CESDP, such as enhancing the Industry Mentor & Supplier Champion training and support, an improved Quarterly Review Reporting Process, and establishing locally based expertise to work with companies regularly and in-person, using the world class proven methodologies we’ve acquired. In addition, the New Year will see additional companies enrolling into the CESDP as part of our second grouping of companies. The journey for this set of companies is just beginning, but we know they will benefit from this outstanding program.

More information about the Competitive Edge Supplier Development Program, including videos and enrollment information can be found on the Manitoba Aerospace website—just follow the Competitive Edge link. If you need to discuss the program in more detail, I’m at your service!

Happy Holidays!

John Kliewer, CD, B.Sc, CHRM, CHRP
Human Resources Development Officer
Manitoba Aerospace HR Council

RED RIVER COLLEGE AWARDED \$1.7 MILLION FOR TECHNOLOGY ACCESS CENTRE



(From left): Fred Doern, Chair of Mechanical, Manufacturing & Communications at RRC; the Hon. Steven Fletcher, Minister of State (Transport); James Knight, President, Association of Canadian Community Colleges; MP Joyce Bate-man (Winnipeg South Centre); the Hon. Gary Goodyear, Minister of State (Science and Technology); Stephanie Forsyth, President of RRC; and Dr. Suzanne Fortier, President, Natural Sciences and Engineering Research Council.

The Honourable Gary Goodyear, Minister of State for Science and Technology, announced on November 13, 2012 that Red River College will receive almost \$1.7 million through NSERC's Community and College Innovation Program to establish the A2i2: Advanced Aerospace Innovation Initiative.

This new technology access centre will focus on making RRC's facilities, technologies and expertise available to small and medium enterprises in the aerospace and manufacturing sectors.

"This technology access centre builds on the partnerships RRC has formed with companies like StandardAero and Magellan Aerospace to enhance innovation and productivity in these key industry sectors," said Stephanie Forsyth, President of Red River College. "Ultimately, the research done through A2i2 will create new jobs and other economic opportunities right here in

Manitoba."

Over the past decade, Red River College and its partners have invested over \$20 million in acquiring state-of-the-art technologies specializing in advanced materials and bonding, imaging and automation, and machine vision and simulation. The A2i2 initiative will bring these facilities under one umbrella, making it easier for industry to access equipment and College researchers.

Red River College is Manitoba's second-largest post secondary institution with over 30,000 enrolments in full-time, part-time and apprenticeship programs each year. RRC is also one of Canada's leading colleges in the area of applied research, with a particular focus on sustainable infrastructure, alternative energy vehicles, and aerospace manufacturing.

<http://blogs.rrc.ca/redblog>



CENTRE FOR NON-DESTRUCTIVE INSPECTION RIBBON CUTTING



(From left): Stephanie Forsyth, Don Boitson, The Honourable Lynne Yelich, and The Honourable Vic Toews cut the ceremonial ribbon, officially opening the Centre for Non-Destructive Inspection

On Friday, September 28, 2012, Minister Lynne Yelich, Western Economic Diversification, and Stephanie Forsyth, President of Red River College held a ribbon cutting ceremony for the Centre for Non-Destructive Inspection (CNDI) in Magellan's Building 35. Minister Vic Toews, MP, Provencher, and Treasury Board President also attended as well as guests from the aerospace community, and staff who work in the Magellan facility. Don Boitson, Vice President and General Manager, Magellan Aerospace participated in the ceremony on behalf of Magellan.

Western Economic Diversification Canada invested to help Red River College establish non-destructive inspection capability in Manitoba. CNDI is a collaboration between government, education, and industry and is located on the College's Industrial Campus at Magellan Aerospace.

"Our Government recognizes that innovation and advanced technology is vital to Canada's economic growth," said Minister Yelich.

"At Magellan, CNDI is integral in meeting the

demanding production schedule and quality requirements for the manufacture of the composite components that comprise the next-generation F-35 aircraft," said Don Boitson. "The productivity enhancements, when compared to other traditional methods of inspection are significant. A component that would take eight hours to inspect using conventional methods can take as little as one hour to inspect using Laser UT. The benefits provided through this technology are considerable."

Don Boitson added, "The CNDI facility is a wonderful example of the collaboration that is taking place between industry, government, and education where resourceful programs have been developed that serve the needs of many, and encourage the sharing of knowledge between education and industry.

Laura Stephenson
Director, Corporate Communications
Magellan Aerospace



It gives me great pleasure to wish you all a very happy holiday season. I know I've said this before, but I can't say it enough, I would like to thank all of you for giving me such a warm welcome to the Manitoba Aerospace board of directors and for all your support over the past few months.

What a year we've had. Without telling you something you don't already know, the last year has been a busy one as the world economy continues to recover and the demand for air travel grows. Aerospace is a worldwide business and Manitoba is competing globally. The aerospace industry is growing faster than most in recent years, with total revenues up 6.7% in Canada in 2011, and employment growth of 7.6%. The world's production rate of aircraft is steadily rising, and will need to increase even faster to accommodate the exploding global demand for new aircraft.

I have a few people I would like to thank and congratulate for their dedication to Manitoba Aerospace throughout 2012. One person in particular that I would like to acknowledge is Ken Webb. Ken was hired as the Executive Director back in April and has jumped in with both feet and has done a tremendous job for the board and the aerospace industry.

I also want to acknowledge and congratulate all the award winners at our 11th annual Aerospace All-Stars Awards dinner. You are all very well deserving of such a prestigious award.

I also want to thank all of you for your tremendous support by attending our All-Stars Awards dinner and for the support of the annual fall golf tournament. All the proceeds raised from these two events go directly into the Manitoba Aerospace Endowment fund which keeps building and building. To-date we have a total of \$41,000 in the fund and have supported more than 30 students.

I also want to congratulate The Manitoba Aerospace Human Resources Council on their 20th anniversary. This group continues to show dedication and commitment to industry and educational institutions in developing and delivering training for both existing and prospective employees in the Manitoba aerospace industry, consistent with current and projected demands for skills.

The future looks bright for Manitoba and Canada and there are great opportunities for this industry, but there are also great challenges as our competitors around the world are also looking to make the most of these opportunities.

We must work together with industry partners, government and academia to make sure our policies and practices are reviewed. We must ensure the playing field is level for Canadian companies in this global industry and provide a winning combination of business conditions that will help position us for success for a long time to come.

Happy holidays



MANITOBA AEROSPACE EVENTS - FALL/WINTER 2012

Why Composites Seminar

*Composites Innovation Centre
158 Commerce Drive, Winnipeg, Manitoba
December 19, 2012*

Implementing Robotic Technologies

*Quality Inn (formerly Heartland Inn), 851 Main St. N
Winkler, MB
January 16th, 2013*

Manitoba Aerospace Technology Strategy for Economic Development Workshop

*Hilton Winnipeg Airport Suites
January 16 -17th, 2013*

UAS Summit 2013

*Washington, DC
January 28 – 30, 2013*

Composites 2013

*Orlando Florida
January 29 - 31, 2013*

Singapore Air Show

*Singapore
February 11 – 16, 2014*

PNAAs 2013 Aerospace Conference

*Lynwood, WA
February 12-14, 2013*

Australian International Airshow 2013

*Geelong, Australia
February 26 – March 3, 2013*

Green Aerospace Industry Technology & Innovation Mission

*Apulia and Piedmont, Italy
March, 2013*

Heli-Expo

*Las Vegas, Nevada
March 4-7, 2013*

Annual Commercial Aviation Industry Suppliers Conference

*Beverly Hills, California
March 4-6, 2013*

LAAD Defence & Security 2013

*Rio De Janeiro, Brazil
April 09-12, 2013*

Aerospace Manufacturing Conference

*Charleston, SC
April 9-10, 2013*

MRO Americas

*Atlanta, Georgia
April 16-18, 2013*

Western Aerospace Expo

*Winnipeg, MB, Fort Garry Hotel
May 6-8, 2013*

Paris International Air Show

*Paris, France
June 17-23, 2013*

MRO Europe

*London, UK
September 25 – 27, 2013*

Aviation Expo

*Beijing, China
September 25 – 28, 2013*

AIAC 2013 Canadian Aerospace Summit

*Ottawa, ON
October 16-17, 2013*

Dubai Air Show

*Jebel Ali, Dubai
November 17 – 21, 2013*

ATAC Annual General Meeting & Tradeshow

*Montreal, Quebec
November 17-19, 2013*

Satellite 2014

*Washington, DC
March 10 – 13, 2014*