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SPECIAL ANNOUNCEMENT

Creation of the new Ministry of Finance, Economy and Research

The new Ministry of Finance, Economy and Research officially came into force by government decree on September 25, 2002.

The activities of the Ministry of Industry and Commerce, the Ministry of Finance and the Ministry of Research, Science and Technology have been integrated within this new Ministry. Mrs. Pauline Marois, Deputy Premier, heads this new ministry.

I - INDUSTRY NEWS

AIR CANADA

<http://www.aircanada.ca>

Contracts with Skyservice

Air Canada Technical Services, a division of Air Canada, has announced the signing of a \$67 million contract for the maintenance, repair and overhaul of Skyservice A320s. The agreement comprises a \$37 million ten year contract for component maintenance to be performed at Air Canada's Montréal base and a \$30 million five year contract for aircraft maintenance to be performed at the Winnipeg maintenance centre.

Maintenance centre expansion

On September 25, Air Canada Technical Services opened its new engine test bed which will be used in the overhaul of General Electric CF34 regional jet engines.

AMPHITECH INTERNATIONAL

<http://www.amphitech.com>

\$2 million investment

The Fonds de solidarité FTQ and Innovatech Grand Montréal have announced investments of \$1.375 million and \$625,000 respectively in Amphitech International. Following more than four years of development, Amphitech is preparing to market its OASys system

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within the next six months. OASys is an obstacle detection system for helicopters. Amphitech is also developing a second application of 35 Ghz radar technology for the United States Navy.

AVIOR INTEGRATED PRODUCTS

<http://www.avior.ca>

Investment in Avior by the Fonds de solidarité FTQ

As part of a \$9.5 million transaction, the Fonds de solidarité FTQ will invest \$2.25 million in Avior Integrated Products. This new company specializes in metal and composite fabrication and sub-assembly for the aerospace industry. This transaction represents the acquisition of Avcorp's Integrated Products Division, which comprises two Québec plants located in Granby and Laval, in partnership with management of the division.

BELL HELICOPTER

<http://www.bellhelicopter.textron.com>

Resignation of Mr. Paul Costanzo

After a 20-year career at Bell Helicopter, Mr. Paul Costanzo has decided, for family reasons, to leave from his position as president of the Commercial Helicopter Division of Bell Helicopter. Mr. Rick Rosenjack will replace him on an interim basis.

Appointment

John Murphey, president and chief operating officer of Bell Helicopter Textron Inc. has announced the promotion of Mr. Jacques St-Laurent to the position of president of Bell Helicopter Textron Canada Ltd. In his new position, Mr. St-Laurent will be responsible for management, direction and coordination of all activities at the Mirabel site and will also be responsible for relations with the Federal and Provincial governments. Mr. St-Laurent was appointed vice-president, engineering in August 1998, and since October 1 2002 he was vice-president and general manager of the Mirabel factory.

BOMBARDIER AEROSPACE

<http://www.bombardier.com>

Q400 turboprop order from the ANA group

Bombardier Aerospace has announced that All Nippon Airways (ANA) group of Tokyo (Japan) has placed a firm order for four Bombardier Q400 turboprop airliners. The first aircraft is scheduled for delivery in the summer of 2003 and deliveries of the remaining three will continue until 2004.

Bombardier delivers the 700th 50-seat CRJ

Bombardier Aerospace has delivered the 700th 50-seat CRJ regional jet, construction number 7700, to Air Nostrum of Valencia, Spain. This aircraft is the 16th CRJ200 delivered to Air Nostrum and is part of a firm order for 21 aircraft which was signed in March 2000.

CAE

<http://www.cae.com>

Inauguration of CAE's Denver Aviation Training Centre

CAE has inaugurated its Denver Aviation Training Centre, which will be part of a global network of CAE-Airbus training centres. CAE took advantage of the occasion to announce that the centre will add a third Bombardier CRJ200/700 full flight simulator in response to increased demand. The centre was designed to accommodate four simulators but currently has three: an Airbus A320 and two Bombardier CRJ200/700s.

This is the first independent centre in the United States to train Bombardier CRJ700 pilots. The two anchor tenants are Frontier Airlines and Air Wisconsin who have signed five and fifteen year commitments respectively. Other customers are Atlantic Coast Airlines, Horizon Air and American Eagle.

E-3 AWACS simulators delivered to L-3 Communications

The United States Air Force has taken delivery of two CAE Operational Flight Trainers (OFT) and one Flight Training Device (FTD), all manufactured by CAE, for E-3 AWACS training. CAE received the order in November 1999 and the devices were delivered to the new E-3 crew-training centre at Tinker Air Force Base, Oklahoma. They are operated by the Link Simulation & Training division of L-3 Communications.

Arizona training centre

CAE will open a pilot training centre in Mesa, a suburb of Phoenix, Arizona. CAE has signed a ten year contract worth an estimated \$CAN 50 million with Mesa Air Group for the training of Bombardier CRJ and Embraer ERJ-145 pilots. The centre will begin operations in January 2003 and will house two simulators: a Bombardier CRJ200/700/900 and an Embraer ERJ-145. This will make CAE the first independent provider of training for the new CRJ900 regional jet.

CMC ELECTRONICS

<http://www.cmcelectronics.ca/>

CMC Electronics expands its family of SureSight Enhanced Vision System sensors

CMC Electronics has developed the SureSight family of Enhanced Vision Systems (EVS) to improve flight crew situational awareness by helping them see through fog,

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haze, precipitation and at night. The system is designed to function on the ground as well as during take-off, approach and landing, and will thus enhance the safety and economics of aircraft operations.

In addition to the current "I-series" infrared sensor, CMC is now offering a sensor named "I-series high resolution" which offers higher resolution and sensitivity and a lower cost sensor named "M-series".

The I-series high resolution sensor uses the same advanced Indium Antimonide – InSb technology as the current sensor but uses a 640 by 512 pixel focal plane array which provides four times more detail than the current sensor. The M-series is based on a more compact microbolometer-based infrared sensor and will be available by the end of 2003.

The I-series EVS imagery can be displayed on a Heads-Up Display (HUD), a Heads-Down Display (HDD) or both and thus allows pilots to see the airport environment and surrounding terrain in reduced visibility conditions. CMC is currently finalizing integration of the system, and flight tests will begin in the first quarter of 2003, leading to certification.

CMC Electronic's SureSight Enhanced Vision System (EVS) selected by Thales Avionique for the Bombardier Global Express

During the National Business Aviation Association convention, CMC Electronics and Thales Avionique signed a contract by which the CMC Electronics SureSight Enhanced Vision System (EVS) infrared sensor will be part of the Thales Avionique EVS system which will be standard equipment on the Bombardier Global Express ultra long range business jet. It will also be offered to all existing Global Express operators. CMC has already completed two successful flight test programs, including more than 70 approaches in a range of poor weather conditions.

Transport Canada approval

CMC Electronics has received Transport Canada approval for its 24-channel Global Navigation System Sensor Approach (GNSSA) module with respect to compliance of software development with DO-178B level B and compliance of complex electronic component development with DO-254 level B.

These approvals are the primary prerequisites for systems which use the GNSSA to obtain Federal Aviation Administration (FAA) approval in accordance with TSO-C129a. They are also critical steps in obtaining further approvals such as TSO-C145 (WAAS) and TSO for LAAS.

Upgrade of Austrian Air Force C-130s

CMC Electronics has signed a contract with Marshall Aerospace of Cambridge, England, for the supply of its CMA-900 GPS-based Flight Management System (GPS/FMS) for three Austrian Air Force C-130 aircraft

which will be upgraded by Marshall Aerospace. Deliveries are scheduled to be completed by February 2003.

This program is evidence of the interest from military operators in integrating a civilian-certificated FMS in their aircraft in order to meet the future Precision Area Navigation (P-RNAV) requirements of Communications, Navigation and Surveillance/Air Traffic Management (CNS/ATM) and of Global Air Traffic Management (GATM). The CMA-900 is in service with more than 40 airlines and with a P-3 operator.

Canadian-American Business Achievement Award 2002

CMC Electronics and Honeywell Aerospace Electronics Systems have been awarded the 2002 Canadian-American Business Achievement Award. They were honoured by the Canadian-American Business Council (CABC) during its gala luncheon which was held in Toronto on October 16. CMC Electronic's Global Navigation Sensor Unit (GNSU) and Honeywell's avionics systems capability allowed the partners to jointly develop and market a new generation of intelligent GPS-based cockpit systems which have been adopted by 70% of the world's major airlines.

Each year the CABC presents the award to one Canadian and one American company who have created a partnership which has resulted in significant growth for both companies, incorporates notable innovation, and delivers significant benefits to the community. The CABC is a not-for-profit organization whose goal is to encourage business and communications between Canadian and American companies in the global economy.

INDUSTRY CANADA

<http://www.ic.gc.ca>

Appointment

Mr. Jacques Bonaventure is on loan from NMF to Industry Canada where he will be for the next two years as Investment team leader and account Manager for Bombardier Aerospace. His new coordonnates are :

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LEESTA

<http://www.leesta.com>

Best supplier award

On October 2, Pratt & Whitney Canada awarded Leesta its best supplier award. This award recognizes the one Pratt & Whitney Canada supplier which stands out for the quality of its products and services.

PRATT & WHITNEY CANADA

<http://www.pwc.ca>

Mutual component repair agreement with Honeywell

Pratt & Whitney Canada and Honeywell Aerospace have established a mutual repair agreement which allows both companies to perform repairs on selected engine models. The purpose of the agreement is to take advantage of the repair capacity and expertise of both companies in order to expand their respective services.

Under the terms of the agreement Honeywell Aerospace and Pratt & Whitney Canada will supply each other and perform component repairs on a number of "traditional" Honeywell and Pratt & Whitney Canada engines.

The Pratt & Whitney Canada Service Centre Network launches a new SAP-based Business Platform

The Pratt & Whitney Canada Service Centre Network recently achieved a strategic milestone with the implementation of a fully integrated Maintenance, Repair and Overhaul (MRO) system based on a SAP business platform.

The new system is fully integrated, comprehensive and online. It will support and manage all aspects of service centre business. The new processes inherent in this system will generate significant operational improvements from the reception of an engine to re-delivery.

TLD CANADA

<http://www.tld-gse.com/fr/>

\$2 million investment by the Fonds de solidarité FTQ

The Fonds de solidarité FTQ is investing \$2 million in TLD Canada's new facility in Sherbrooke. TLD Canada is a newly-created subsidiary of the Téléflex Lionel-Dupont (TLD) group which specializes in the design and manufacture of freight loaders used to load and unload aircraft. The transaction, which has a total value of \$15 million, will be made in partnership with TLD America (a U.S. subsidiary) and with Investissement Québec.

TLD Canada currently employs around 50 people and anticipates creating between 100 and 150 new jobs in the next 18 months.

II - TECHNOLOGY

Product Data Management (PDM)

A seminar on Product Data Management (PDM) was held on October 3 at the Industrial Materials Institute (IMI) of the National Research Council of Canada (NRC) in Boucherville. Bombardier indicated that it will base its management of technical data exchange on SAP and the Enovia PDM.

Pratt & Whitney Canada's approach is based on its supplier portal. This portal will be capable of determining common processes and tools with those of Pratt & Whitney Canada depending upon the specific role of the supplier. The supplier will be able to manage security and access aspects of its system.

To obtain a summary of this meeting, please contact Mr. Normand Raymond at (514) 499-6535.

Seminar on the introduction of High Speed Machining (HSM) in aerospace companies

On September 20, the Centre technologique en aérospatiale (CTA) hosted a seminar on the current status of high speed machining in the aerospace industry.

Attendees were given the opportunity to listen to the perspectives of people working primarily in the Québec aerospace industry. They were from prime contractors and SMEs who have already incorporated high speed machining into their manufacturing environment: Bombardier Aerospace, Pratt & Whitney Canada, Mesotec and Usinage Tracy.

Mr. David West, from Boeing's manufacturing engineering group, spoke about the latest high speed machining developments at Boeing, with emphasis on the machining of titanium.

Mr. Stéphane Auger, a specialist in the integration of high speed machining from the French organization the Centre technique des industries mécaniques (CETIM), spoke about the implementation of high speed machining and its impact on costs and profits.

Other speakers included representatives from the Québec Ministry of Finance, Economy and Research, from CTA, from the École polytechnique de Montréal, from the École de technologie supérieure (Montréal) and from the École des Hautes Études commerciales de Montréal (HEC).

III – INDUSTRY DEVELOPMENTS

Prime contractor quality committee

A meeting held on September 20 addressed the subject of measurement of customer satisfaction. The new ISO 9001:2000 standard requires that a system of measurement be established. The output from this system must then be used to improve the quality system and, in consequence, the overall performance of the company. During this event, Lockheed Martin Canada explained how it applies measurement of customer satisfaction to develop customer loyalty.

ISO 9001:2000 for a CAE software engineering group

Since 1986, CAE's Mirabel-based military program support group has been providing software engineering support to the Canadian Department of National Defence for the CF-18 avionics systems and related simulators. This group has recently received ISO 9001:2000 accreditation.

QUALITY

4 AS 9100 accredited companies

Aéro Ltée - Harrington - Howmet Laval Casting - Quéloz

12 ISO 9001:2000 (version 2000) accredited companies

CAE (software engineering) - CMC Électronique - GGI International - ICT Ltée - Ksatria - Lockheed Martin - Oerlikon Contraves - Quéloz - Rasakti - SNC Technologies - TMH Canada - Ultraspec

126 ISO 9000 :1994 (version 1994) accredited companies

ABB Bomem - Abipa - ABMI - ADS Marquez - Advantech - Aéro Ltée - Aéronav - Aérosystème International - Agence Mécanique Paré - Airborne - Air Data - Air Terre - Almaho - Alphacasting - Alta Précision - Amphenol Air LB America - Apex Précision - Apollo Micro-Ondes - Aquacoupe - Arell - Automatech - Aviamatic - Aviation Lemex - Avior - Bedco - Bell Helicopter - Bombardier Aéronautique - CAE - CEL - Claro Précision - CMR Circuits - Communications Multidev - Composites Atlantic - C.P.S. Industries - CP Tech - CRIQ Essais - CVDS - DCM - Deburex - Decatron - Delastek - Drummond - Élimétal - EMS Technologies - Farsound - Filetage International - Finecast - FJ - Flexibulb - Focam - GE Elano Canada - Générale Électrique du Canada - Gentner - GFI - Guérette - Harbour - Harrington - Hemmingford - Héroux-Devtek - Honeywell - Howmet - James Dawson - JLM Précision - Lego - Liné - LSI Luminescent - Lyre - Lyster - MagChem - MDS Aero Support - Mécanique industrielle B. Courteau - Mechatronix Systèmes - Mésotec - Messier-Dowty - Metcor - Mil-Quip - Minicut - Moody - Nétur - NMF - Nutech - Optimus - Outillages K&K - Outils Diacarb - Pega Précision - Performance L.T. - Perkin Elmer Optoélectronique - Placeteco - Pôle Air Aviation - Pratt & Whitney Canada - Précicast - Protec - Pyradia

- RDC Contrôle - R/D Tech - Robert Mitchell - Rolls-Royce - Rousseau Contrôles - Sablage au Jet 2000 - Sermatech - Sermati - Shellcast - Sico - Sicotte - Sider-Tech - Sido - Simtran - Soudure Aérospatiale - Techniméca - Technique Design de l'Estrie - Tecnickrome - Teco Précision - Tecsuit Eduplus - Terminal & Câble TC - Thermetco - Tiger-Vac - TNM - TQF - Tribospec - TRW Systèmes Aéronautiques - Turboquip - Usinage Meloche - Usinage Profab Lemex - Usinage P.L. - Werner Metals - Wilson Machinerie.

If your company has received ISO or AS accreditation but is not on our list please let us know.

IV – MANPOWER AND TRAINING

CAMAQ

<http://www.camaq.org>

Improved competitiveness - an exceptional opportunity

CAMAQ offers a coaching program to Québec SMEs which helps them integrate various tools, and so contribute to continuous improvement. The program is financed by Emploi-Québec and is delivered by Pratt & Whitney Canada's core continuous improvement team. The program comprises:

- A three day continuous training program for senior management which helps them determine how best to apply their continuous improvement efforts;
- A ten day continuous training program for "change agents";
- Customized in-company support to the performance of a continuous improvement project.

For further information please contact CAMAQ at (514) 596-3311.

V – SHOWS, EXHIBITIONS AND SYMPOSIA

AQA dinner meeting

On September 18, the Quebec Aerospace Association (AQA) held its first dinner meeting of the 2002-2003 season. Two hundred people listened to the guest speakers, Mr. Guy Varroquier of EADS International, and Mr. Pierre Genest, president of the Fonds de solidarité FTQ.

Upcoming 2002-2003 meetings will be held on:

- November 20 2002;
- February 19 2003;
- 30 April 2003.

Aerospace Congress & Exhibition 2003: call for papers

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SAE Aerospace, co-organiser of ACE 2003, which will be held in September 2003 in Montréal, has issued its first call for papers and presentations for the four technical conferences which will take place during ACE:

- World Aviation Congress (development and operation of aircraft and aircraft systems);
- Aerospace Manufacturing Technology Conference (manufacturing technologies and processes);
- Aerospace Automated Fastening Conference (automatic fastening and related assembly techniques);
- Advances in Aviation Safety Conference (safety aspects of aircraft design and maintenance).

Abstracts of approximately 300 words must be submitted online by 17 January 2003 at www.sae.org/ACE or to email address ace@sae.org.

AME/TEA convention

The Association des techniciens en entretien d'aéronefs (AME/TEA) will hold its annual convention on November 20 and 22 at the Sheraton Four Points Hotel (6600, blvd. Côte-de-Liesse, Saint-Laurent). For additional information visit www.symposium-aeronefs.qc.ca.

Mission to Brazil

The Industry and Commerce sector of the Ministry of Finance, Economy and Research, in collaboration with the AQA, is organizing an aerospace mission to Brazil in March 2003. For further information please contact Mr. Gilles Brabant of the Aerospace and Defence Branch of the Ministry at (514) 499-2199, local 5282.

NBAA 2002

This business aviation convention was held on September 10 - 12 in Orlando, Florida. Although the aerospace sector is experiencing a slow down, several aircraft manufacturers are developing new products in anticipation of renewed growth which is expected to occur in business aviation in the 2004-2005 timeframe. A summary report is available from Mr. Normand Raymond at (514) 499-6535.

Mission of French companies

In collaboration with GIFAS (the French Aerospace Industries Association) and the Aerospace and Defence Branch of the Québec Ministry of Finance, Economy and Research, the commercial branch of the Consulate General of France in Montréal organized a mission of 21 French aerospace companies. Presentations and meetings with Québec companies took place on October 21, followed by two days of industrial visits. The purpose of this mission was to develop partnerships between Québec and France SMEs. A follow-up meeting is scheduled to take place in June 2003 during the Paris Air Show.

CONTACTING US

Newsletter coordinator: Louise Racine

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"L'Aéropatial" is also available on the ministry Web site at:

<http://www.mic.gouv.qc.ca/aerospatiale>