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I - INDUSTRY NEWS

AP&C ADVANCED POWDERS AND COATINGS <http://www.raymor.com>

Contract with Pratt & Whitney Rocketdyne USA for titanium powder

AP&C Advanced Powders and Coatings has received an order for its spherical titanium powder from California-based Pratt & Whitney Rocketdyne, a wholly owned subsidiary of United Technologies Corporation. With this order, the company continues its penetration of the aerospace market with its very high quality spherical titanium powders.

AVERNA TECHNOLOGIES <http://www.averna.com>

Acquisition of E-JAZ Test & Measurement Inc.

Averna, a specialist in the integration of automated manufacturing systems, has acquired the Toronto-based test and measurement company, E-JAZ Test & Measurement. This acquisition positions Averna to better serve customers in that region and to increase its portfolio of large customers.

BELL HELICOPTER TEXTRON CANADA <http://www.bellhelicopter.textron.com>

Order for two Bell 429s from AirMédic

Bell Helicopter Textron Canada has sold two 429 helicopters in medevac configuration to AirMédic, a humanitarian organization that specializes in air ambulance emergency services for people in distress throughout Quebec. The agreement also includes options for the purchase of five additional aircraft.

The Bell 429, a member of the MAPL family, is scheduled to make its first flight in the fall of 2006 and obtain type certification towards the end of 2007. The 429 order book is already substantial, with 200 orders from customers worldwide.

BOMBARDIER

<http://www.bombardier.com>

3 CRJ900s for Atlasjet

Bombardier Aéronautique has announced that the Turkish low cost carrier Atlasjet, based in Istanbul, has signed a firm order for three 90-seat Bombardier CRJ900 regional jets with options for two additional CRJ900s. The value of the contract is \$US 107 million. Since May 2005, Atlasjet has operated two 70-seat CRJ700 aircraft on domestic routes within Turkey.

First flight of Challenger 605

On 23 January, the next generation Bombardier Challenger 605 widebody business jet made its first flight. The three hour 23 minute flight took place on schedule. The Challenger 605 is an improved version of the 604. It has a new cockpit fitted with the Rockwell Collins Pro Line 21 avionics suite, including four 10 inch by 12 inch LCD screens and the Rockwell Collins Integrated Flight Information System (IFIS).

CL-215T conversion kit program restarted

Bombardier Aéronautique has announced the restart of its CL-215T conversion kit program. Nine conversion kits for the CL-215 amphibious aircraft, including Pratt & Whitney PW123AF turboprop engines, have been ordered by the Provinces of Alberta and Saskatchewan, by AeroFlite, a private American operator, and by Buffalo Airways, based in the Northwest Territories. The estimated total value of the nine orders is US\$85 million.

The first Challenger 850 shuttle enters service

On 30 March 2006, Bombardier Aéronautique announced that the first Bombardier Challenger 850 "business shuttle" had entered service with Suncor Energy. Launched in May, 2005, the Bombardier Challenger 850 "business shuttle" offers a combination of a widebody fuselage, low direct operating costs, exceptional dispatch reliability and ease of maintenance, all characteristics of the Bombardier CRJ family from which this model is derived. The aircraft is a member of the Bombardier Challenger "business shuttle" family that also includes the Challenger 870 and Challenger 890.

CAE

<http://www.cae.com>

\$27 million worth of military orders from Germany

CAE has been awarded contracts valued at approximately \$14 million for the upgrade of an Operational Flight Trainer (OFT) used by German Navy P3-C crews. The German Armed Forces have also awarded CAE one-year extensions of several on-site maintenance services and simulation equipment logistics support contracts. These contract extensions have an approximate value of \$13 million.

New contracts from AirAsia

CAE has been awarded contracts by the Malaysian airline AirAsia for the supply of two Airbus A320 full flight simulators and two CAE Simfinity Maintenance/Flight Training Devices for the training of A320 pilots and maintenance technicians. Also included is a ten-year maintenance service contract for these simulators.

\$12 million contract from the Canadian Forces

The Canadian Department of National Defence (DND) has awarded CAE a three-year contract for the supply of simulator maintenance services and technical support. The contract, which has an initial value of \$12 million, includes two one-year options that, if exercised, could increase the value of the contract to more than \$20 million over five years.

As members of the Canadian Forces "Air Simulators and Trainers Contracted Maintenance Program" (CF AST CM), CAE personnel will provide on-site maintenance and related support services at Canadian Forces bases in Cold Lake, Alberta; Bagotville, Québec; Trenton, Ontario; Greenwood, Nova Scotia; and Gagetown, New Brunswick.

Three full flight simulators for the Zhuhai training centre in China

CAE has received an order for three full flight simulators and three CAE Simfinity procedural trainers from the Zhuhai (China) training centre, a joint venture between CAE and China Southern Airlines. The total contract value is approximately \$53 million.

Delivery of the Airbus A320, Airbus A330 and Boeing 737 NG full flight simulators to the Zhuhai Flight Training Centre's new facility will begin in spring 2007. The new facility will begin operations at the beginning of 2007 with eight simulators in its first phase. This order brings the number of full flight simulators sold by CAE to the Zhuhai Flight Training Centre to 13. When the new simulators will be operational, the centre will have the capacity to train approximately 4,000 pilots per year.

First full flight simulator for the Chinese ARJ21 regional jet

CAE has been awarded the contract to provide the world's first full flight simulator for the Chinese ARJ21 twin-engined regional jet that is being developed by China Aviation Industry Corporation (AVIC 1).

The first commercial aircraft to be entirely developed and built in China, the ARJ21 is a 90-seat aircraft that is scheduled to enter service in 2009. Under current plans, AVIC will build 340 aircraft for the domestic Chinese market as well as 160 additional aircraft for international markets, all by the year 2026. The contract has an approximate value of \$15 million and brings to 21 the number of full flight simulators CAE has sold in the 2006 fiscal year.

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Strategic cooperation agreement with EADS CASA

EADS CASA has selected CAE as its preferred supplier for simulation and training systems for its C-295 aircraft programs worldwide. Under the terms of this agreement, EADS CASA has awarded contracts to CAE valued at more than \$22 million for the design and construction of two C-295 full flight simulators. One will be delivered to the Brazilian Air Force, which is acquiring 12 C-295 aircraft and the EADS CASA training centre in Seville, Spain, will use the second one. Deliveries of the two simulators are scheduled to take place at the end of 2007.

The C-295 is a twin-engined mid-sized multi-role military transport aircraft. Together with Raytheon, EADS CASA is bidding the C-295 for the U.S. Army and U. S. Air Force Joint Cargo Aircraft (JCA). This aircraft is also a candidate for the Canadian Fixed Wing Search and Rescue program. CAE will be the preferred supplier for simulation and training systems for the C-295s proposed for these programs.

CMC ÉLECTRONIQUE

<http://www.cmcelectronics.ca>

Raytheon selects the CMC integrated cockpit for the T-6B

Raytheon Aircraft Company has awarded CMC Électronique a contract to act as prime contractor for the integration of avionics systems for the Beechcraft T-6B military turboprop-powered training aircraft. The T-6B is a derivative of the T-6A Texan II, a tandem cockpit aircraft that is used by the U.S. Air Force and the U.S. Navy for basic pilot training. The T-6B integrated avionics suite includes an FV-4000 mission computer, a SparrowHawk Heads-Up-Display (HUD), Multi-Function Displays (MFD) and stores management, all supplied by CMC Électronique.

Selected by Aermacchi for the new M-311 jet trainer

CMC Électronique has been selected as the avionics systems integrator for the new Aermacchi M-311, a derivative of the S-211 basic trainer. It incorporates structural upgrades, a new engine and CMC's integrated glass cockpit. The avionics suite will be installed in the front and rear cockpits of the M-311. The front position includes a SparrowHawk Heads-Up Display (HUD), an Up Front Control Panel (UFCP) and three 5 inch by 7 inch multifunction displays. The rear cockpit configuration also includes a UFCP and three 5 inch by 7 inch displays, one of which can serve as the HUD repeater display.

Partnership with Jeppesen

CMC Électronique and Jeppesen have formed a partnership that will allow them to integrate Electronic Flight Bag (EFB) components from each company to produce a Class 2 avionics standard EFB. Under the terms of the agreement, Jeppesen will supply its

software, data and applications including digital airport charts and content management tools, as well as its airport and en-route moving map displays.

CMC Électronique will act as the integrator, based on its expertise in EFB hardware and software and in obtaining Supplementary Type Certificates (STC) for installations, as well as its after-sales service. CMC's second generation PilotView Class 2 EFB fills the gap between the low end off-the-shelf PC-based devices, and the high end Class 3 EFBs. It achieves this by incorporating avionics-standard hardware, and software certification to DO-160D.

Contract for avionics management systems for German Tornados

CMC Électronique has been awarded a contract for the supply of its CMA-2082F avionics management system as part of the German Air Force's Tornado mid-life upgrade program. Deliveries for the 85-strong Tornado fleet are scheduled to begin in November 2006, and end in 2008. In 2001, CMC was awarded an initial contract for the design, development and limited production of this system.

Heli-One selects CMC's Flight Management System and GPS

CMC Électronique has been selected by Norwegian company, Heli-One, to supply its latest generation CMA-9000 Flight Management System (FMS) as well as its 24 channel CMA-3024 GPS sensor for a military VIP Puma operator. This is the first time that the combination of the CMA-9000 FMS and the CMA-3024 GPS sensor has been delivered by CMC for a helicopter upgrade program.

Japan Airlines selects CMC's SatLite compact antenna

Japan Airlines International has selected the new SatLite high-gain compact satellite communications (Satcom) system for its long-range B737-800 aircraft. Earlier this year, Japan Airlines announced an order for 30 Boeing 737NG aircraft, including the B737-800. CMC's SatLite supports Inmarsat's Aero-H, H+, Swift64 and SwiftBroadband satellite communications systems. It is also compatible with both the new generation ARINC 781 and existing ARINC 741 terminal equipment.

L-3 COMMUNICATIONS MAS

<http://www.l-3com.com/mas>

Contract with Boeing for a Department of National Defence (DND) project

L-3 Communications MAS has been awarded a \$39 million contract by Boeing for the second phase of the upgrade of 78 CF-18 Hornet aircraft for the Canadian Department of National Defence (DND). This two-phase upgrade project, which began in April 2001, will ensure complete interoperability of the Canadian CF-18 fleet

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with those of strategic allies, as well as extending the life of the aircraft until 2017.

The second phase includes the installation in the Hornets of a data link system, a helmet-mounted sight, new pilot displays and a new infrared flare decoy system. The majority of the work will be carried out at the L-3 MAS facilities at Mirabel.

\$20 million contract

L-3 Communications MAS has been awarded a \$20 million contract by the Australian Defence Materiel Organization (DMO) for design and prototype activities as part of the Royal Australian Air Force (RAAF) F/A-18 Centre Barrel Replacement (CBR) program. The first RAAF aircraft is scheduled to arrive at the L-3 MAS Mirabel facilities in April 2006. L-3 MAS anticipates that the prototyping activities will be completed by mid 2007.

MECAER

<http://www.performancelt.com>

Major contract from Bell Helicopter

Mecaer, an aerospace industry component manufacturer, has become the primary supplier to Bell Helicopter for the design and manufacture of landing gears for the new Bell 429 helicopter, for which almost 200 orders have already been received.

MESSIER-DOWTY

<http://www.messier-dowty.com>

\$20 million investment at the Mirabel factory

Messier-Dowty will invest \$20 million to support the expansion of its activities at the Mirabel factory and to purchase additional equipment. This investment will allow the company to increase production rates of landing gears for Airbus aircraft, to manufacture components for the B787 landing gear, and, in partnership with French companies, to manufacture shock absorber struts for the A320 landing gear. These additional activities should create twenty new jobs.

PRATT & WHITNEY CANADA

<http://www.pwc.ca>

The Pratt & Whitney Canada PW615F engine, which powers the Cessna Citation Mustang, receives Transport Canada Type Certification

On 30 December 2005, Transport Canada awarded Type Certification to the new Pratt & Whitney Canada PW615F engine, which powers the Cessna Aircraft Company Citation Mustang business jet.

The PW615F is the first model in the new generation, high bypass ratio, PW600 turbofan family, which is intended for use by business aircraft. Similar approvals

from the U.S. and European airworthiness authorities will follow in the near future. The PW615F has a nominal thrust of 1,350 lb, and is fitted with a dual-channel Full Authority Digital Electronic Control (FADEC) system. Certification of the PW615F represents an important milestone in the Cessna Citation Mustang certification program, with certification expected during 2006.

Construction of 60,000th engine

In its 77th year, Pratt & Whitney Canada (P&WC) has recorded a major milestone with the construction of its 60,000th engine. Of the 60,000 engines built by P&WC, more than 40,000 remain in service with almost 9,000 operators worldwide.

Today, P&WC offers the broadest family of engines in the industry. In the last ten years alone, the company has certified more than 50 engines, predominantly new derivatives of the existing engine families, the PT6, PW100, PW200, PW300, PW500, JT15D and PW900. In addition, the PW615F, the first member of the new generation PW600 family, received Type Certification in December 2005 and certification of the PW610F is scheduled for the beginning of the second quarter of 2006. During the next three years, 20 additional new engine models should enter production and power thousands of aircraft.

TURBOMECA CANADA

<http://www.turbomeca.com>

Qualified to repair and overhaul Arriel 2 engines

On February 1, 2006, Turbomeca S.A. awarded this qualification to its Turbomeca Canada subsidiary. This was further to an audit of maintenance policies, repair and overhaul processes, quality assurance procedures and the qualifications of the workers in the repair facility. Turbomeca Canada is thus now a repair and modification centre for Arriel 2 engines and their accessories, as well as a TurboSupport Center for engine maintenance.

II – INDUSTRY DEVELOPMENT

NBAA

The National Business Aviation Association (NBAA) is encouraging its members to apply pressure on the U.S. Congress. Congress is planning to restructure FAA funding, including obtaining a higher proportion of funds from the business and general aviation communities. NBAA representatives are concerned about the pressures being applied on Congress by the commercial aviation industry, which is proposing that a common rate structure be implemented, notwithstanding the fact that the infrastructure required by commercial aviation is much more costly.

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QUALITY

27 AS 9100 certified companies

Abipa - Aéro Mécachrome - Air Data - Alta Précision - Anodisation Verdun - Bombardier Aéronautique - CanRep - CMC Électronique - Composites Atlantic - Goodrich - Harrington - Hemmingford Aérospatiale - Héroux-Devtek - Howmet - JSR2 - Leesta - Lisi Canada Aerospace - L-3 MAS - Mecachrome Technologies - Mesotec - Messier-Dowty - Meyer Canada - Pega Précision - Quéloz - Sargent Aerospace Canada - Sermatech Canada - Sonaca NMF Canada - Teco Précision

71 ISO 9001:2000 (2000 version) certified companies

Abipa - Air Data - Air Terre Équipement - Almaho - Alta Précision - Amphenol Air LB North America - Anodisation Verdun - AP&C Advanced Powders & Coating - Automatech Industrielle - Avena Technologies - Bombardier Aéronautique - CAE (génie logiciel) - CanRep - CEL - Circuits CMR - CMC Électronique - Composites Atlantic - C.P.S. Industries - CS Communication & Systèmes Canada - Deburex - Delastek - Élimétal - Finecast - Flexibulb - Gentner - GGI International - Goodrich - Groupe Meloche - Harbour Industries - Hemmingford Aérospatiale - Howmet - ICT - JSR2 - Leesta - Liebherr Aerospace Canada - Lisi Canada Aerospace - Lockheed Martin - LSI Luminescent - L-3 MAS - Marquez Transtech - MDS Aero Support - MRT Robotics - Mesotec - Metcor - Minicut - Oerlikon Contraves - Optimus - Pega Précision - Placeteco - Pôle Air Aviation - Quéloz - Rasakti - Rolls-Royce - Sargent Aerospace Canada - Sermatech Canada - Sermati Canada - Shellcast - Sico - Sido - Sinters Canada - Soudure Aérospatiale - Technimeca International - Techspace Aero Canada - Teco Précision - Terminal & Câble TC - Thermetco - TMH Canada - TNM Anodisation et Peinture - TQF Technologies - Tuboquip - Ultraspec

72 ISO 9000:1994 (1994 version) certified companies

ABB Bomem - Advantech - Aéro Mécachrome - Aéronav - Aérosystème International - Agence Mécanique Paré - Air Data - Alphacasting - Alta Précision - Apex Précision - Apollo Micro-Ondes - Aquacoupe - Aviation Lemex - Avior - Bedco - Bell Helicopter - CAE - Communications Multidev - CP Tech - CRIQ Essais - CVDS - DCM - Drummond - Filetage International - FJ - Focam - GE Elano Canada - Générale Électrique du Canada - GFI - Guérette - Harrington - Héroux-Devtek - Honeywell - James Dawson - JLM Précision - Lego - Liné - Lyre - Lyster - MagChem - MDA Space - Mecaer Amérique - Mécanique industrielle B. Courteau - Mechtronix Systèmes - Messier-Dowty - Mil-Quip - Mitchell Aerospace - Moody - Nétur - Nutech - Outillages K&K - Outils Diacarb - Perkin Elmer Optoélectronique - Pratt & Whitney Canada - Précicast - Pyradia - PyroGenesis - RDC Contrôle - R/D Tech - Rousseau Contrôles - RTI Claro - Sablage au Jet 2000 - Sicotte - Simtran - Technique Design de l'Estrie - Tecnickrome - Tiger-Vac

- Tribospec - Usinage P.L. - Usinage Profab Lemex - Werner Metals - Wilson Machinerie

7 NADCAP certified companies

CP Tech - Howmet - Lego - Optimus - Soudure Aérospatiale - TNM Anodisation et Peinture - Vac-Aéro

If your company has received ISO or AS certification, but does not appear in this list, please let us know.

III - MANPOWER AND TRAINING

CENTRE D'ADAPTATION DE LA MAIN D'ŒUVRE AÉROSPATIALE AU QUÉBEC (CAMAQ)

<http://www.camaq.org>

The first aerospace career fair in Québec

On Friday the 26th and Saturday the 27th of May, CAMAQ will organize the first Québec aerospace career fair in the former Air Transat hangar at Mirabel airport. Around 60 organizations, education institutions and aerospace companies will participate. They will provide information to visitors, both youths and adults, on the aerospace education and training programs, employment opportunities in the industry, and on the products of the companies. Additional information is available at the following Website: www.aerosalon.ca

IV – SHOWS, EXHIBITIONS, MISSIONS AND SYMPOSIA

ASSOCIATION QUÉBÉCOISE DE L'AÉROSPATIALE (AQA)

<http://www.aqa.ca>

AQA news

On February 28, 2006, the third dinner meeting of the year was held at the Montreal Ritz Carlton hotel. More than 250 people attended this event. The invited speaker was Dr. Giuseppe Maresca, vice-president, Marketing & Commercial Affairs, for Finmeccanica. The next dinner meeting will be held on 26 April, 2006.

Farnborough International Airshow

The next Farnborough International Airshow will take place between July 17 and 23, 2006. Québec will be represented by Mr. Raymond Bachand, minister of Economic Development, Innovation and Exportation (MDEIE) as well as organizations with aerospace interests such as Investissement Québec, Société générale de financement and Montréal International, as well as the Association québécoise de l'aérospatiale (AQA). The MDEIE will participate in this event to promote Québec companies and Québec as an aviation

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industry centre of excellence. Québec will have its own stand within the Canadian pavilion. To mark this event The Délégation générale du Québec à Londres will host a cocktail on 19 July, 2006.

CONTACTING US

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« [L'Aérospatial](#) » is also available on the Ministry's Web site: <http://www.mdeie.gouv.qc.ca>