

Canada

CANADA GREEN AEROSPACE MISSION TO ITALY

PARTICIPATING CANADIAN COMPANIES

COMPANY	PROFILE & PARTNERING INTEREST
<p>ALPHACASTING INC. www.alphacasting.com</p>  <p>Alberto Badiola Sales Representative</p>	<p>Alphacasting is a supplier of precision investment castings (machined/ finished/ assembled) for the aerospace and defence industry. The company is a contract build-to-print facility and handles projects such as concurrent engineering, tooling, fixture ring, casting, heat treatment, non-destructive testing, inspection and machining. Alphacasting manufactures 48-inch long aluminum parts and up to 30-inch long titanium, steel and exotic alloys.</p> <p>Alphacasting supplies Avio and Finmeccanica and is seeking to expand its presence in the Italian market. Key programmes for Alphacasting are the A350, A320 NEO, B787 and, LEAP.</p> <p>Alphacasting is interested in meeting Italian companies that deal with aircraft structures (wingtip, door frames, brackets, ducts) and engine structures & accessories (gearbox, pumps, reservoirs).</p>
<p>AIR CANADA</p>  <p>AIR CANADA</p> <p>Umberto Solimeno Country Manager for Italy</p> <p>Giancarlo Landolfi Italy Sales Executive</p>	<p>Air Canada is Canada's largest airline and provider of scheduled passenger services between Canada and the U.S. and between international markets and Canada. In 2011, Air Canada together with its Air Canada Express regional partners carried more than 33 million passengers offering direct passenger services to more than 175 destinations on five continents. Air Canada is a founding member of Star Alliance, providing the world's most comprehensive air transportation network.</p> <p>Every day Air Canada connects Italy and Canada offering flexibility, comfort and a wide network of destinations, encouraging exchanges between the two cultures.</p> <p>In addition to non-stop flights between Rome and Toronto and Montreal in the Summer, Air Canada also offers year-round a wide range of connections between Italy and North America through code-share agreements with its partners Lufthansa, Swiss and Brussels Airlines, with departures from Milan (Malpensa and Linate), Bologna, Florence, Turin, Venice and Verona and rapid transit in Frankfurt, Monaco, Zurich and Brussels.</p> <p>Air Canada is interested in meeting with Italian airport authorities to discuss current and future partnerships.</p>

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<p>ASCO AEROSPACE CANADA LTD. www.asco.be</p>  <p>Lorenzo Costella New Business Development</p>	<p>ASCO is a world leader in the co-development, design, precision machining, processing assembly and certification of complex high strength aircraft components (flaps and slats mechanisms, engine mounts and landing gear components). With over 1,200 employees, ASCO operates offices/facilities in five countries. ASCO currently manufactures components and assemblies for Airbus, Boeing, Bombardier and Embraer commercial jets. ASCO Aerospace specializes in the design and manufacture of very large aluminum structures (up to 54 feet) and in the design and production of titanium and steel components for slat track, landing gears, engine mounts, bulkheads and other structural parts in the CATIA V5 environment.</p> <p>In Canada, the company employs 155 people in an 115,000 sq.ft. facility. ASCO Aerospace is equipped with state-of-the-art machine tools including one of the largest and most powerful 5-axis gantry profilers in Canada (190 ft. long) and 5 very large multi-pallet 5-axis horizontal high performance machining centers for both titanium and aluminum structural components. ASCO's Canadian division is currently involved in the following production programs: Boeing 737, Boeing 747-8, Boeing 777, Boeing 787, Lear 85, CRJ 700/900 and 1000, Cessna Sovereign and Lockheed Martin F-35.</p> <p>ASCO is interested in meeting Italian universities and research organizations as well as manufacturers of aircraft structures, advanced materials.</p>
<p>COMPOSITES ATLANTIC LTD. www.compositesatlantic.com</p>  <p>Claude Baril President & CEO</p> <p>Kevin Steck VP Business Development</p>	<p>Composites Atlantic specializes in the design, development and manufacturing of advanced composite structures for the aeronautic, defence and space markets. It is supported by manufacturing plants, environmental testing and prototyping establishments and has process qualifications for: Airbus, Boeing, Bombardier, Cessna, Northrop Grumman, Westland, ISO-14644 among others.</p> <p>Core technologies include hand layup with autoclave/oven curing, filament winding, liquid composite molding, compression molding, CNC machining, Automated Fiber Placement (AFP). Design and analysis software includes CATIA V5, Nastran and Fiber Sim.</p> <p>Products and services include: leading edges, fairings, radomes, structural panels, flaps, sponsons, landing gear doors, ducting (engine, anti-icing, ECS), pressure vessels, stringers, struts, launch tubes, satellite structures (antenna, reflectors, solar panel substrates), design and analysis, analysis of quasi-isotropic and anisotropic materials, 2D (shell) and 3D (solid) analysis, structural linear and non-linear analysis, structural dynamics (modal, harmonic, spectrum, etc.), buckling (linear and non-linear), fatigue testing, tooling design and manufacturing, R&D and prototyping, manufacturing, NDI and testing and program management.</p> <p>Composites Atlantic is interested in developing business partnerships with Tier-1 companies as a subcontractor to support B787 and C-Series programs as well as partnerships with OEMs as a subcontractor on their current and future programs for small to medium sized aero structures and assemblies (metallic and composites).</p>

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<p>CRIAQ - CONSORTIUM FOR RESEARCH AND INNOVATION IN AEROSPACE IN QUEBEC www.criAQ.aero</p>  <p>Alain Aubertin VP Business Development, Network & Innovation Process</p>	<p>Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ) is a non-profit organization established in 2002 with the financial support of the Quebec government. Its mission is to increase the competitiveness of the aerospace industry and enhance the collective knowledge base in aerospace through improved education and training of students. CRIAQ is a unique model of collaborative industry-led research involving universities and research centres. The consortium promotes collaboration between specialists from industry and researchers to identify and implement pre-competitive projects that meet industry requirements.</p> <p>Through CRIAQ, businesses have access to the expertise of renowned researchers and to increased financial resources that greatly enhance their initial R&D budget. For a small business this can represent up to 30 times its contribution to a project. Researchers thus benefit from financial support provided by a range of sources and contribute to technological advances in the industry. From 13 members at its foundation, CRIAQ today gathers 52 industrial members, 21 universities and research centres and 9 associate members. CRIAQ, after ten years of innovation, has a portfolio of 142 collaborative projects valued at \$124 million, an ecosystem of more than 600 researchers and specialists and nearly 700 students.</p> <p>CRIAQ and Italian Aerospace Research Center (CIRA) signed an MoU in 2005 to explore collaboration opportunities in the development of novel technologies in aerospace as well as in best practices. CRIAQ is currently providing financial support to an R&D project involving Canadian (Canadian project value is CAD\$1.2 million) and Italian partners. The project MDO-505, includes the following partners: CRIAQ, Quebec government, GES-GREEN FUND, Thales, Bombardier, ÉTS, Polytechnique Montreal, Alenia Aermacchi, University of Naples Federico II and CIRA.</p> <p>CRIAQ is interested in meeting with universities, research centres and companies interested in engaging in R&D projects with Canadian partners.</p>
<p>ÉCOLE POLYTECHNIQUE DE MONTREAL www.polymtl.ca</p>  <p>Aouni Lakis Professor, Director IICAP</p>	<p>École Polytechnique Montréal is one of Canada's leading engineering schools and is the largest in Québec in terms of its student population with more than 7,000 undergraduate students and 500 graduate students. EPM ranks among the world's top research universities and has one of the highest concentrations of engineering professors/researchers in Canada. It also has the largest volume of industry-partnered research grants.</p> <p>The engineering school has an aerospace program at all levels (engineering and research). The aerospace industry in Montréal is involved in 60% of the courses in aerospace at engineering level and research. The IICAP (Institut d'Innovation et de Conception en Aeronautique de Polytechnique) is the main contact between the Polytechnique and the aerospace industry.</p> <p>École Polytechnique is interested in meeting Italian universities and Italian aerospace companies that would like to develop software-based on new theories in the field of fluid structure interactions and health monitoring.</p>

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<p>EMBASSY OF CANADA www.international.gc.ca/it</p> <p>THE CANADIAN TRADE COMMISSIONER SERVICE / LE SERVICE DES DÉLÉGUÉS COMMERCIAUX DU CANADA</p>  <p>Tyler Wordsworth First Secretary – S&T</p> <p>Joanne Smith Trade Commissioner – Aerospace</p>	<p>The mandate of the Trade Commissioner Service is to promote Canada's economic interests in the global marketplace and generate prosperity. The Commercial Division at the Canadian Embassy in Italy offers assistance to Canadian companies who wish to export their products to Italy and assistance to Italian organizations that wish to invest or conduct R&D in Canada or import and distribute Canadian products in Italy.</p> <p>Our list of services:</p> <ul style="list-style-type: none"> • Researching Italian partners interested in strategic alliances and joint ventures with Canadian companies • Assisting Italian investors doing business in Canada • Assisting Italian agents and distributors of Canadian products in Italy • Providing information to Italian companies in search of Canadian products, services and technologies to import and/or distribute in Italy • Providing information to Canadians on market opportunities in Italy • Assisting Canadian companies in search of agents and/or distributors in Italy • Organizing events and conferences which promote Canada and its products
<p>THE GREATER TORONTO MARKETING ALLIANCE (GTMA) www.greatertoronto.org</p>  <p>Tony Romano Vice President Corporate and Investor Services</p> <p>together with</p> <p>ITALIAN CHAMBER OF COMMERCE of ONTARIO (ICCO) www.italchambers.ca</p>  <p>Claudia Barbiero Associate, Milan office</p>	<p>The Greater Toronto Marketing Alliance (GTMA) is a public-private partnership that serves as the key point of contact for businesses exploring opportunities in the Greater Toronto Area (GTA). The partnership brings together the 29 municipalities and regions in the Greater Toronto Area, the governments of Ontario and Canada, several not-for-profit organizations, and a broad cross section of private sector corporations. The GTMA actively promotes the Greater Toronto Area internationally, and provides companies with professional assistance in evaluating, planning and implementing an expansion or move to the GTA. GTMA business information and site selection services are fully confidential and are provided at no cost. Investors working with the GTMA receive support and expert guidance from human resource consultants, financial and legal advisors, and commercial/industrial real estate professionals. They also benefit from key contacts with corporate executives and senior government officials. By providing all-encompassing services to investors, the GTMA helps facilitate investment in the Greater Toronto Area and ensures the region is positioned internationally as a preferred business location. The GTMA is interested in meeting Italian companies contemplating a possible investment in Ontario in order to provide them with assistance at no cost for the company.</p> <p>The Italian Chamber of Commerce of Ontario (ICCO) is a facilitator of business, a seeker of investment, and a builder of commercial relationships. The ICCO is a private, independent, non-profit organization whose aim is to enhance and promote investments, business, trade and cultural relations between Canada and Italy. The ICCO acts as a consulting agent for a number of local and regional government agencies in Canada and Italy and as an advisor and broker to companies wishing to participate in public tenders in Canada, Italy and around the world. The ICCO assists in planning trade delegations, researching industrial sectors and markets for investors.</p>


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<p>MAGELLAN AEROSPACE CORP. www.bristol.ca</p>  <p>Scott McCrady Corporate Program Director & JSF</p>	<p>Magellan Aerospace is a diversified supplier of products and services to military and commercial aircraft manufacturers and operators worldwide. With facilities in Canada, the US, the UK, Poland, and India, Magellan is delivering a number of products on the Joint Strike Fighter (JSF) program in the following areas: machining of wing, airframe and landing gear structural assemblies; production of major composite structural assemblies; production of complex frames and assemblies for the engines; production of various sand castings; and machining, fabrication and assembly of key portions of the LiftFan™ for the F-35B STOVL variant.</p> <p>In addition to extensive expertise in research and defence rockets, payloads and solid fuel propulsion systems, Magellan has a long history in the development, manufacturing and integration of space systems for the Canadian Space Agency (CSA), NASA, and other international customers.</p> <p>Magellan Repair, Overhaul & Industrial (ROI) has been advancing power and propulsion technologies for over 50 years and has provided repair and overhaul (R&O) services for a number of military and civil engine requirements, as well as an increasing industrial power generation capability internationally. Engineering, manufacturing, fleet management logistic support, engine test cells and the ability to develop proprietary repair technologies support Magellan's expertise in engine teardown and rebuild and component repair including afterburner and exhaust components R&O.</p>
<p>SAMUEL AEROSPACE METALS www.samuel.com</p>  <p>Paul Sutcliffe Managing Director</p>	<p>Samuel Aerospace Metals is a leading full line metal distributor headquartered in Mississauga, Ontario. Privately owned, Samuel has 80 locations across North America. The company provides the Aerospace Industry with a reliable source for Aluminum for a complete range of products to most commercial and military specifications.</p> <p>Engaged in the distribution of aircraft materials to parts and components manufacturers, Samuel Aerospace Metals is an ideal source for metals for organizations planning to subcontract machining and assembly within North America and China. Extensive inventories of aircraft quality materials, on the ground in North America and in China, enable a dramatic shortening of supply lines for companies sub-contracting work in North America and Asia.</p> <p>The company is seeking opportunities with companies either currently sub-contracting work in North America and China or who are planning to do so as well opportunities to seek out potential distributors for their product lines within Italy and nearby countries.</p>

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<p>UNIVERSITY OF TORONTO Institute for Aerospace Studies www.utias.utoronto.ca</p>  <p>Prof. David Zingg Director of the Institute for Aerospace Studies</p>	<p>The University of Toronto Institute for Aerospace Studies (UTIAS) is a world-class aerospace department and research institute that provides undergraduate and graduate education in aerospace science and engineering and associated research. UTIAS currently has 19 faculties and 150 graduate students, including 70 PhD candidates. In aeronautics, the top strategic research priority is research toward reducing the environmental impact of aviation, including a wide range of topics such as unconventional aircraft development, flow control for low drag, advanced structural concepts for reduced weight, noise and biofuels. In space, the top strategic research priority is space robotics, in particular autonomous mobile robotics.</p> <p>UTIAS is interested in establishing funded research partnerships with Italian entities, including industry, government and universities. The university is also interested in research contracts with companies based in Italy as well as possible partnerships through Horizon 2020 and CANNAPE, the Canada-EU aerospace research platform.</p>