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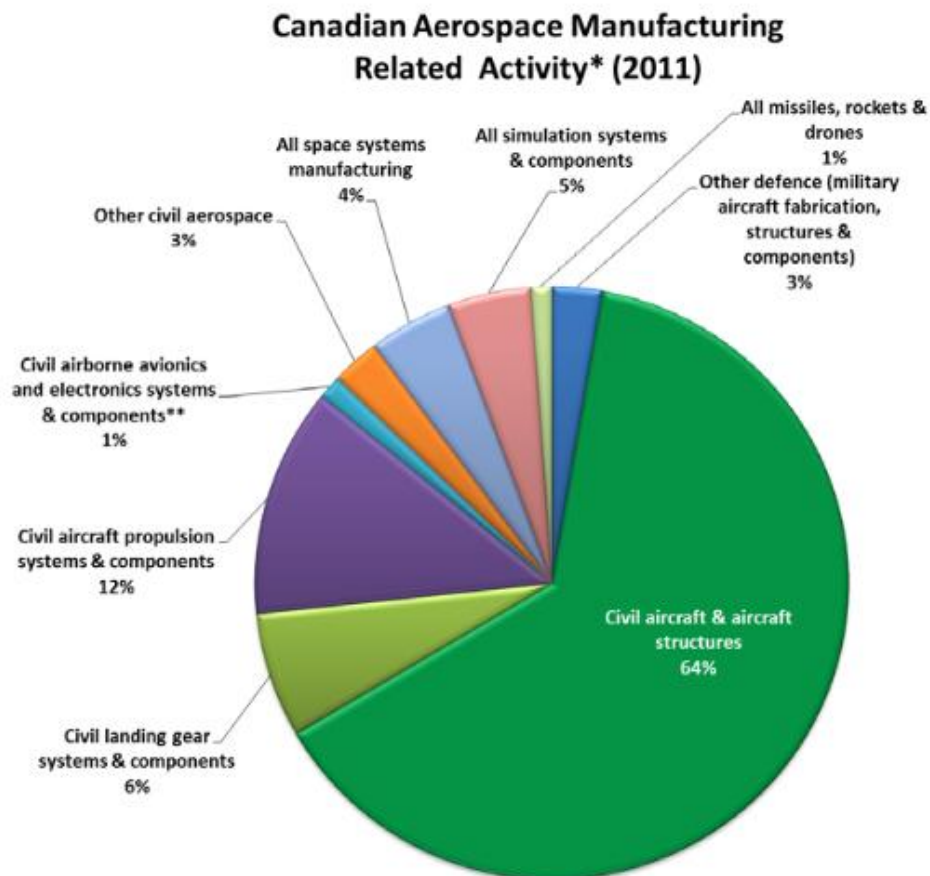
**Canadian Aerospace Industry: Orientation and Exports**



The Canadian aerospace industry is made up of over 700 companies of all sizes and which they have contributed close to \$25.1B in direct revenues to the country's economy in 2013. Additionally,

it is worth mentioning that 70% of the industry's activity is dedicated to Manufacturing while the Maintenance Repair & Overhaul (MRO) industry represents the 30%. The Canadian aerospace industry is active across the country nevertheless it is worth mentioning that Central Canada accounts for the majority of the manufacturing industry, whereas Western Canada plays a dominant role in terms of MRO industry. Finally, Atlantic Canada was the fastest growing region in aerospace manufacturing during 2008-2013.

As it is depicted in the pie-chart below the commercial aircraft/rotorcraft production and aircraft structure related activities are responsible for close to two thirds of the industry's revenues.



It is worth mentioning that the Canadian aerospace manufacturing sector is one of the most export oriented of the Canadian economy. Additionally, the aerospace manufacturing

activity is one of the most R&D intensive in the Canadian economy, as more than 20% of the industry's activity is dedicated to R&D (\$1.7B of R&D activity in 2013), five times more than the R&D intensity of Canada's total manufacturing average.

While the continued success of the Canadian aerospace industry cannot be guaranteed, the strong base upon which it is built and the help provided by the Canadian authorities will definitely help its future development. The country's authorities help the companies through attractive investment fundamentals; leading-edge knowledge infrastructure; risk-sharing investments in technology development; commitment to investing in skills and research; and new business opportunities.

Kyriazis Vasileios,  
Epicos Newsletter Head Editor

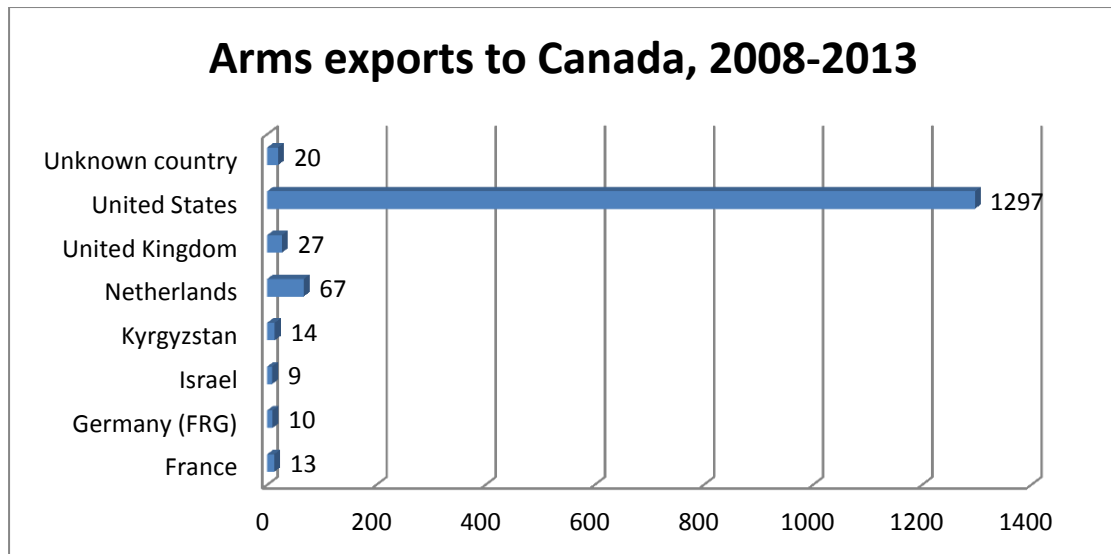
*Canadian Defence Procurements; An Overall Analysis*



The Canadian authorities spend a fair amount of funds on defence. Starting from the year 2011-12 it is planned that the National Defence's annual budget will expand from approximately \$18 billion in 2008-09, to over \$30 billion in 2027-28. In total, the Government plans to invest close to \$490 billion in defence over the period 2008-2028.

According to the Stockholm International Peace Research Institute (SIPRI), Canada imports defence equipment from eight (8) different countries, a fact that highlights a variety of countries with which Canada is cooperating in the aforementioned subject. However, if we take a closer look in the Canadian defence imports we will see that USA plays an extremely important role that “shades” the participation of other countries in the Canadian defence procurements.

It is indicative that for the period 2008-2013, Canada spent \$1458 million US dollars at constant (1990) prices, in procuring defence equipment from foreign countries. From this amount, \$1297 million were spent in US made equipment (89% of the total amount). Netherlands and United Kingdom are the next two countries based on the amount of funds allocated with \$67 and \$27 million US dollars at constant (1990) prices respectively.



Aircraft are the predominant area of imports for the period 2008-2013 with a total amount of \$1145 US million at constant (1990) prices. The 2<sup>nd</sup> most important sector is that of missiles with \$136 US million at constant (1990) prices whereas other areas such as armored vehicles, sensors and artillery follow.

Kyriazis Vasileios,  
Epicos Newsletter Head Editor

**Epicos “Industrial Cooperation and Offset Projects”**

Epicos “Industrial Cooperation and Offset Projects” provides a unique set of online tools enabling the structure, identification and implementation of comprehensive Offsets programs, through a searchable database. By introducing different offset projects and ideas proposed by local A&D industry it ensures the optimum cost for Prime Contractors and reassures that the priorities of local industry are fully met...

[For Further Information Press Here](#)

**Development of an advanced Fluxset type magnetic field sensor for Airborne Antisubmarine Warfare**

A company with vast experience on customized hardware and software solutions, the development of avionics and other high-tech electronics systems and simulators, is proposing -in the frame of an offset project- partnership with a prime contractor or a third party company, in a targeted country, specializing in sensing technologies, for the development of an advanced Fluxset type magnetic field sensor for Airborne Antisubmarine Warfare.

[For Further Information Contact our ICO Department](#)

Mail at: [g-menexis@epicos.com](mailto:g-menexis@epicos.com)

**Radiological Field Food Tester Turn Key solution**

A company with significant experience in the development and production of chemical defense instruments and nuclear reconnaissance systems, is proposing the representation of its Turn Key Solution Radiological Field Food Tester, to other foreign companies, specializing on NBC systems, in order to gain access to new markets.

[For Further Information Contact our ICO Department](#)

Mail at: [g-menexis@epicos.com](mailto:g-menexis@epicos.com)



**Elbit Systems MUSIC™ Self-Protection DIRCM Solution Marks Another Milestone, This Time in Germany: Elbit Systems Awarded a Contract to Supply DIRCM Systems for the German Air Force's New A400M Aircraft**



Elbit Systems Ltd. (NASDAQ and TASE :ESLT) ("Elbit Systems") announced today that it was awarded a contract from DIEHL BGT Defence GmbH & Co. KG ("DIEHL Defence") to provide J-MUSIC™ Multi-Spectral Directed Infrared Counter Measure (DIRCM) systems for the first phase of the German Air Force's Self-Protection program for its new Airbus A400 aircraft. The contract will be performed over approximately one-year and is in an amount that is not material to Elbit Systems.

Designed to protect large military and commercial aircraft against attacks by ground to air heat seeking man-portable missiles (MANPADS), the J-MUSIC systems, will be integrated into a multi-turret DIRCM system, ensuring 360° protection of the aircraft. Elbit Systems has completed extensive testing of the J-MUSIC system and has already delivered systems to equip several types of aircraft to various customers. Bezahel (Butzi) Machlis, President and CEO of Elbit Systems, commented: "We are proud of our cooperation with DIEHL Defence on DIRCM that has resulted in this initial contract for the protection of the German Air Force's A400M aircraft. Our DIRCM systems provide effective protection to the growing threat of MANPADS, and we hope that additional customers will follow and select our systems as their preferred solution".

The C-MUSIC DIRCM system, another member of Elbit Systems DIRCM family, was developed for the Israeli National "Sky Shield" program, for the protection of the Israeli large commercial aircraft fleet.

**About Elbit Systems**

Elbit Systems Ltd. is an international defense electronics company engaged in a wide range of programs throughout the world. The Company, which includes Elbit Systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("C4ISR"), unmanned aircraft systems ("UAS"), advanced electro-optics, electro-optic space systems, EW suites, signal intelligence ("SIGINT") systems, data links and communications systems

and radios. The Company also focuses on the upgrading of existing military platforms, developing new technologies for defense, homeland security and commercial aviation applications and providing a range of support services, including training and simulation systems.

For additional information, visit: <http://www.elbitsystems.com> or follow on Twitter.

#### **About Diehl Defence**

Diehl Defence is a corporate division of the German Diehl Group, concentrating all business activities in the fields of defence and security as a holding company. Diehl Defence achieves annual sales of € 540 million\* with 2,800 employees\*. As a competent partner of international armed forces, Diehl Defence manages numerous subsidiaries, program and affiliated companies.

The product portfolio ranges from highly accurate guided missiles for armies, air forces and navies, system solutions for ground-based air defence, intelligent ammunition solutions to innovative reconnaissance and protection systems. In the fields of equipment, repair and modernisation of military vehicles, Diehl Defence is also among the leading global supplier.

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## NIDV: 26th Symposium & Exhibition, From reorganization towards participation



The Defence exhibition will present an overview of the latest technological developments in the area of

defence and security to governments, defence organisations and the international business community. The areas of attention at this exhibition will be: aerospace, land systems, Navy, Royal Dutch Military Constabulary and security. Attention will also be given to the innovation programme in the area of security, with the express intention of highlighting the strengths and opportunities of the Dutch defence-related industry, particularly the priority technology areas and the technological requirements for Defence and Security.

A combined symposium and exhibition

Take part in an international exhibition and meet professionals from your sector. With your stand you can bring your business to the attention of existing and new business relations.

In addition to the information provided by participants at the exhibition, visitors are also offered a special programme of presentations and lectures. A regular speaker at the symposium is the State Secretary of Defence. In addition (top) officials from Defence, the government and the political arena, a national or international industry or a relevant institute will be invited to provide an introduction.

For Further Information [Click Here](#)





### Sensoror gyro module has been selected for the SIMBAD RC System

The STIM210 will support systems stabilization to mitigate effects of wave motion for a 'remote controlled' variant of the SIMBAD twin launcher system, equipped with two ready-to-fire Mistral missiles. The system developed by MBDA services the French Navy and several navies around the world.

**STIM210** is an established and reliable high precision 3-axis gyro module. It is suitable for pointing and stabilization, flight control and guidance applications in the Industrial, Aerospace and Defense markets. The STIM210 is the highest performance ITAR-free MEMS gyro module commercially available. It offers a breakthrough for system designers who are under constant pressure to provide smaller, more reliable, and lower cost solutions. The STIM210 gyro is closing the performance gap to FOG (fiber optic gyro) and is a powerful alternative to current solutions in the market. It offers lower cost, size, weight and power consumption (CSWaP) with high reliability and efficient integration into all applications.

More information about the SIMBAD RC system: <http://www.mbdasystems.com/mediagallery/#23/news/3428>

More information about STIM210: <http://www.sensoror.com/gyro-products/gyro-modules/stim210.aspx>

#### **About Sensoror AS**

Sensoror is a global leader in MEMS technology, design and manufacture of advanced gyro sensors, gyro modules and IMUs for high-precision applications. Sensoror has more than 30 years of experience developing and manufacturing reliable MEMS sensor solutions for the most demanding and dynamic application environments in the world.

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**Source:** Epicos, Sensoror AS

### EasyJet annual profit rallies

EasyJet's annual profits climbed on the back of rising passenger numbers and sales, the no-frills British airline said Tuesday.

Net profits, or earnings after taxation, rallied 13 percent to £450 million (\$704 million, 565 million euros) in the group's financial year to the end of September, compared with 2012/13, EasyJet said in a results statement.

Pre-tax profits surged 22 percent to £581 million, which was slightly ahead of the group's own forecast.

Passenger numbers jumped seven percent to 64.8 million, as the airline also picked up business from rival Air France -- which had to cancel flights in September because of a record two-week-long pilots' strike.

EasyJet's total revenues meanwhile swelled by 6.3 percent to £4.527 billion.

"Our performance demonstrates our continued focus on cost and progress against every strategic revenue priority," said chief executive Carolyn McCall.

**Source:** 2014 AFP, Agence France-Presse (AFP)

### Aviation to drive 37% of Dubai economy by 2020: study

Aviation will account for more than a third of Dubai's economy by 2020, a study said on Monday of the Gulf emirate which has become a major international travel hub.

Oil-poor Dubai has spent years trying to diversify its economy with core sectors now including trade, transport and tourism.

Aviation contributed 27 percent -- or \$26.7 billion (21.4 billion euros) -- to Dubai's gross domestic product in 2013, Oxford Economics said in a report for Emirates Airline and Dubai Airports.

The report said the sector would grow to contribute \$53.1 billion -- equivalent to 37.5 percent of GDP -- by 2020.

"Between now and 2020 the contribution of the aviation sector to Dubai's economy is expected to grow at a faster rate than the economy as a whole," the global research firm said.

An increase in passenger numbers and expansion of Dubai's existing airport capacity will help to drive this growth, the report said.

Dubai International Airport is the busiest airport in the Middle East. It served 66.4 million passengers in 2013, and is expected to host more than 100 million in 2020.

Also ranked among the world's busiest airports, Dubai International has established itself as a major hub linking the West with Asia and Australasia.

The emirate opened its second passenger airport in October 2013. When complete, Al-Maktoum International will handle 120 million passengers annually.

Government-owned Emirates Airline, which is based at Dubai International, carried 44.5 million passengers in 2013, compared with 39.4 million the previous year.

The airline operates the world's largest fleets of Airbus A380s and Boeing 777s, and flies to 146 destinations in 83 countries.

**Source:** 2014 AFP, Agence France-Presse (AFP)

### Turkish diplomat named NATO's representative in Afghanistan

Turkey's top diplomat in Afghanistan has been appointed as NATO's senior representative in the war-torn country, the Turkish foreign ministry and the military alliance said Monday.

NATO Secretary General Jens Stoltenberg has appointed Ambassador Ismail Aramaz as the next senior civilian representative in Afghanistan and he is expected to take up his new post early next year, NATO said in a press release.

Aramaz will play an "integral role" in the NATO's new training and support mission named "Resolute Support" as the alliance's International Security Assistance Force (ISAF) will finish operations at the end of the year, it added.

Aramaz's appointment reflects Turkey's "pioneer role" in NATO activities, the Turkish foreign ministry said.

The appointment comes amid tensions between the United States and Turkey -- NATO's only majority Muslim member -- over Ankara's limited role in the fight against jihadists in Iraq and Syria.

**Source:** 2014 AFP, Agence France-Presse (AFP)

## Thales to deliver innovative training solutions for Australian Defence Force helicopter pilots

The next generation of Australia's Army and Navy helicopter pilots will be trained using three Thales full flight simulators and a suite of other synthetic training devices. These will be supplied to prime contractor Boeing Defence Australia under the Helicopter Aircrew Training System (HATS) program.

Thales will provide three EC135 Reality H Full Flight Simulators (FFS), its high-fidelity mission-orientated training system which is already in service around the world.

This modular state-of-the-art simulator provides improved operational efficiency and high-quality training supported by a powerful image generation system, reliable instructor control, and high accuracy motion system.

Chris Jenkins, Thales Australia CEO said: "We are looking forward to working closely with Boeing Defence Australia to deliver these superb simulators and associated equipment."

Beyond the simulators, Thales will deliver training courseware and services, including ground instructors to train Navy Aviation Warfare Officers and air crew sensor operators.

In addition, Thales will supply its Meghas avionics suite for the 15 EC135 aircraft to be provided by Boeing. Thales will also provide the IT infrastructure for the training school.

### About Thales

Thales is a global technology leader in the Aerospace, Transportation and Defence & Security markets. In 2013, the company generated revenues of €14.2 billion with 65,000 employees in 56 countries. With its 25,000 engineers and researchers, Thales has a unique capability to design, develop and deploy equipment, systems and services that meet the most complex security requirements. Thales has an exceptional international footprint, with operations around the world working with customers and local partners.

Thales Australia is a trusted partner of the Australian Defence Force and is also present in commercial sectors ranging from air traffic management and ground transport systems to security systems and services. Employing around 3,200 people in over 35 sites across the country, Thales Australia recorded revenues of AUD 1 billion in 2013.

For Further Information [Click Here](#)

**Source:** Epicos, Thales