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Austrian Aeronautics Industry



Nowadays, many Austrian companies are well established in the international aeronautics industry and its supply chains, most of them as specialised niche experts. More specifically, most of these companies are experts in composites (interiors & structures), metals & metal processing (Ti, Al, Mg), plastics, small aircraft & UAVs, engines, manufacturing technology, test equipment, communication, electronics, interiors

and various equipment. The Austrian aeronautics industry has grown rapidly. It is indicative that it boosted its annual turnover from 30 million Euros in 1988 to 791 million Euros in 2008. In addition, the total number of employees is increased by an average of 10% per year.



It is worth mentioning that the majority of products manufactured are exported. Moreover, arms exports are rather diversified in their geographical structure and range. The majority of exported items are channeled to Europe (50%). USA follows with 24%, whereas Canada and Asia follows with 8% each.



Austrian aircraft manufacturing history dates back to the 1900s, when Etrich started to develop planes like the "Etrich Taube" and Wiener Neustadt became the first airfield and

aircraft production site in the Austro-Hungarian Empire. Since then, the Austrian aeronautics industry has made a significant progress in establishing itself as an important participant in the international supply chains of important companies.

Kyriazis Vasileios,
Epicos Newsletter Head Editor

Republic of Korea: Defence Industry



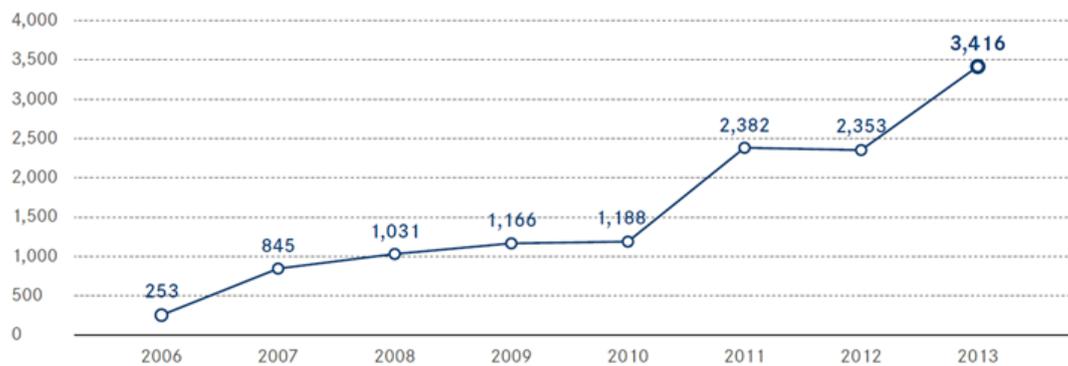
The Republic of Korea (ROK) has a rather diversified and developed defence industry. It is indicative that exports have been further diversified into Europe and South America. The number of countries to which the ROK makes defense industry

exports increased from 47 in 2006 to 80 in 2014. In the past, the main export of the ROK's defence industry were ammunition and small arms, however, these has been changed as recently the ROK's defence industry also exports aircraft, submarines and logistics support vessels. Finally, it is worth mentioning that defense industry exports reached \$3.4 billion dollars for the first time in 2013, recording an accumulated amount of \$12 billion dollars for the period 2006-2013.



Defence Industry Exports

Unit: Million dollars



ROK authorities are deliberately trying to further enhance the national defence industry. This is highlighted by the fact that defence R&D expenditure will be significantly raised in the following years. It is indicative that in 2014, defense R&D expenditures amounted to 6.5% of the defense budget and it will be increased to 8.5% of the defense budget by 2018, and to 15% of the defense budget in the long term.

An advanced defence industry will help the socioeconomic development of ROC. It will create quality jobs which will in turn provide a stable foundation for the growth of the defense industry; from an international point of view, defense industry development will promote diplomatic and economic cooperation.

Kyriazis Vasileios,
Epicos Newsletter Head Editor

Spanish Defence Industry: International Success Stories



Spanish defence exports mainly consist of ships and aircraft. During 2010-2014 period, ships and aircraft accounted for the 99% of Spanish defence exports, followed by sensors, engines, armored vehicles and artillery. The Spanish naval

sector is primarily dominated by Navantia, a government-owned company, which is the largest exporter of Spanish defence goods, including frigates, offshore patrol vehicles (OPV) and amphibious ships. The international successes of Navantia continued on 7th of May, during IDEF 2015, when the Turkish shipyard SEDEF has signed a contract with the SSM for the design and construction of one LPD ship for the Turkish Navy. Navantia participates in this contract as a technological partner.

Navantia will provide the design, transfer of technology, equipment and technical assistance to SEDEF for local construction.

Another international success was achieved by Navantia on 27th April 2015, when the Spanish company delivered the twelfth and last LLC fast landing craft being built for the Royal Australian Navy. The design of these ships is based in the fast landing crafts built also by Navantia for the Spanish Navy between 2006 and 2008.

The contract for the construction of the series of 12 LLC was signed in September 2011 and the works have been executed in the Bay of Cádiz. The landing crafts are destined to operate with the ALHD "Canberra" and ALHD "Adelaide", strategic projection ships, similar to LHD "Juan Carlos I", also built by Navantia in cooperation with BAE Systems.

In the early beginning, Navantia developed projects for the Spanish Navy such as the corvette "Descubierta" and the aircraft carrier "Principe de Asturias".

Since the 70's, Navantia's competitiveness has earned the interest of Navies from other countries. Currently the company has signed contracts with a broad number of countries, including Australia, Norway, Malaysia, Venezuela, India, Chile, Morocco and Thailand.

Kyriazis Vasileios,
Epicos Newsletter Head Editor

Canadian Aerospace Industry: Orientation and Main Products



Industry Canada



Canada's aerospace industry has a long history of innovation and success throughout the world. Canada is a global market leader in producing regional aircraft, avionics, business jets, commercial helicopters, aircraft engines, flight simulation, landing gear, space systems and in providing Maintenance Repair and Overhaul Expertise. Additionally, it is worth mentioning that leading aerospace companies from around the world choose to perform their manufacturing and research and development activities in Canada.

Among others Canadian industry can be divided into seven main product/service subsectors:

- **Complete Aircraft**

With nearly a century of aircraft production heritage, Canada has earned a solid reputation at the forefront of 21st Century powered flight. [Learn more >>](#)

- **Aircraft Engines & Parts**

Canada is a world leader in turbine-powered aviation engines for business and regional aircraft, and helicopters. [Learn more >>](#)

- **Aircraft Systems & Parts**

Canadian manufacturers of aircraft systems and parts are suppliers of choice to the world's aircraft manufacturers and air framers. [Learn more >>](#)

- **Simulation & Training**

Canadian firms lead the world in the design and manufacture of large flight simulators, visual systems and flight training devices. [Learn more >>](#)

- **Aircraft Maintenance, Repair & Overhaul (MRO)**

Canadian MRO firms generate more than \$3 billion in annual revenues and employ some 17,000 highly skilled workers. [Learn more >>](#)

- **Avionics & Mission Systems**

Canadian firms possess world-class strengths in civil aircraft avionics suites, military aircraft command and control systems, visualization imagery devices, airborne surveillance devices, and air navigation management aids. [Learn more >>](#)

- **Space Technologies**

Canadian space firms have world-leading capabilities in areas such as satellite-based communication services, space robotics, and earth observation. [Learn more >>](#)

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

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](#)

Provision of mechanical and aeronautical engineering services for the design of structural parts and components for specific Unmanned Aerial Vehicle (UAV) system program



A company providing Mechanical and Aeronautical Engineering Design Services to the aeronautical sector is proposing, in the frame of an offset program, the cooperation with aerospace prime contractors for the provision of engineering services for the design of structural parts and components in the frame of a specific Unmanned Aerial Vehicle (UAV) system program.

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

Mail at: g-menexis@epicos.com

Production of electromechanical parts and actuators for the aerospace and defence industry



A company with extensive experience in the manufacturing of high-precision measuring systems and the design and development of electromechanical equipment for different markets, is proposing collaboration with a Prime contractor or a third party for the subcontracting of electromechanical parts and actuators for the aerospace and defence industry.

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

Mail at: g-menexis@epicos.com

Epicos Events



Global MilSatCom 2015, 3-5 November, London, United Kingdom

The 17th annual Global MilSatCom conference and exhibition is Europe's leading military satellite communications event. Global MilSatCom 2015 will feature 3 days' worth of exceptional keynote addresses, industry-leading presentations and interactive panel discussions to allow attendees the opportunity to hear about the newest technologies to help them develop more secure satellite communications.

The 2015 expert speaker line-up features:

- Commander Ian Pears MBE RN, JFC CAP C4ISR SO1 NETS SVCS , Joint forces Command, UK MoD
- Deanna Ryals, Chief, International MILSATCOM, U.S Air force
- Lieutenant Colonel Abde Bellahnid, Directorate of Joint Capability, SATCOMS & SAR Requirements, Canadian National, Department of Defence
- Colonel Christophe Debaert, Head of Syracuse Program, DGA france
- Lieutenant Colonel Klaus Achterkamp, Referent SatCom, Bundeswehr
- Tom Plachecki, Chief of Network Services & IT Infrastructure Service Line, NATO Communications and Information Agency
- Lieutenant Colonel Charles Eddy, Chief of Space Policy, Plans and Strategy, United States European Command

To see the full list of speakers download a brochure at www.globalmilsatcom.com

In addition, there will be 3 pre-conference workshops taking place on the 2nd November:

Workshop A) Global Government Payload Exploration
Hosted by Payload Alliance

Workshop B) How Small Satellites Can Enhance Military Communications Whilst Maintaining Cost-Efficiency
Hosted by Surrey Satellite Technologies Ltd

Workshop C) Perspectives on Ground Systems
Hosted by The Aerospace Corporation

Event details

For more information and to register visit: www.globalmilsatcom.com

Book by 30th September to receive £100 discount

For more information contact: +44 (0) 20 7827 6000 or email: events@smi-online.co.uk

APHS 2015 - ASIA PACIFIC HOMELAND SECURITY - The Asian Event dedicated to Homeland and Civil Security, 27-30 October, Singapore

The Asian Event Dedicated to Homeland and Civil Security

Map of the Asia Pacific region In a market with strong needs in security matters, ASIA PACIFIC HOMELAND SECURITY responds to the expectations of governments, critical businesses and industries.

Asia Pacific is a very dynamic region with a strong economic growth. This area is subject to important risks of natural and industrial disasters, and needs solutions to prevent, detect, analyse and allow authorities/heads of companies to find immediate and sustainable solutions.

Homeland security spending will center on equipment and technologies that could avert and provide resilience against the threat of cross border terrorism, cyber fraud and cybercrime, CBRN threats, piracy, drug trade, human trafficking and internal dissent, to name a few.

[For more information please press here](#)

Military Flight Training 2015, 16-17 September, Marriott Hotel Regents Park, London, UK London

Through a series of interactive presentations, panel discussions and roundtables, Military Flight Training will feature timely discussions on how simulation systems can provide realistic mission training in a safe environment. In addition, attendees will be able to discover how to stretch and grow pilots to face the demands of the future. With an in depth analysis of latest political, economic and technological trends discussed by industry leaders.

2015 Key Speakers Include:

- Major General Tom Henry Knutsen, Former Commandant of the Norwegian Defence University College and the RNoAF Academy, Royal Norwegian Air Force
- Brigadier General Philip Garbutt, Director General Air Force Development, Royal Canadian Air Force
- Captain Bjorn Persson, Head of Education Programmes, Air Combat Training School, Swedish Armed Forces
- Lieutenant Colonel Jerome Lacroix Leclair, Commander Flying Schools Command, French Air Force
- Lieutenant Colonel Christoph Hegele, Director of Simulators and Simulation, German Army Aviation School, German Armed Forces

- Colonel Joseph William DeMarco, Commandant at Air Command and Staff College, United States Air Force
- Wing Commander Paul Moss, SO1 ISTAR Training, ISTAR Force Headquarters, RAF Waddington
- Paul Livingston, Managing Director, Ascent Flight Training

Benefits of attending:

- Examine the impact of cutting edge technological advances in simulation and training for the fighter pilot of today
- Hear from experienced presenters from global militaries spanning the UK, Europe and USA as they discuss the hottest developments in the industry
- Listen to national and international real life case studies showcasing pilot training and simulation strategies to survive in a hybrid war
- Discuss and review the latest updates on tactical fast jet training approaches and strategies to maximize operational effect
- Focused sessions spotlighting future trends in pilot and instructor training to enhance the learning process

Visit www.militaryflight-training.com to register or contact Frederick Agbolety on: +44 (0) 20 7827 6070 / fagbolety@smi-online.co.uk

RTEX (Robotic Technology Exhibition) 2015, 29 Sept. - 1 Oct., Dubai, UAE

The focus of the RTEX 2015 will be on Automation & Industrial Robotics, Logistics, Unmanned and remotely controlled systems, Consumer Robotics, Research and Development and Robotics in Healthcare and Education.

As the only dedicated exhibition of its kind in the MENA region (Middle East & North Africa), RTEX is designed to be a meeting point for solution providers and solution seekers.

RTEX provides an exhibition platform for the latest advancement in robotics and automation technology to be showcased, an extensive seminar program for speakers to present their projects, and workshop stands for the interested public to learn hands on about the technology.

At the inaugural event which took place from 28th to 30th September 2014, RTEX succeeded in bringing together local and international exhibitors, trade visitors, students, government representatives and members of the local and international media. A solid foundation for the industry in the region and a base for all subsequent RTEX events was created.

[For more information please press here](#)

AUSR 2015 - AUTONOMOUS UNMANNED SYSTEMS & ROBOTICS EXPO, Air show, conference & exhibition, 7 September, Park HaAgam, West Rishon LeZion, Israel

Following the success of the 2014 convention, this year's 2015 was expanded to include the technological and operational envelope part of the industry, complete with dedicated arrays, materials, propulsion systems, C4I systems as well as unique data security innovations. International coverage: the 2015 live airshow and fair will have international media exposure as they will be covered by dozens of channels in Israel and worldwide – major TV networks, professional reporters and leading HLS and AUS websites. 2015 – live broadcasts from the air: huge monitors will show incoming live broadcasts and footage direct from the UASs, their observation and surveillance devices and their command and control systems.

[For more information please press here](#)