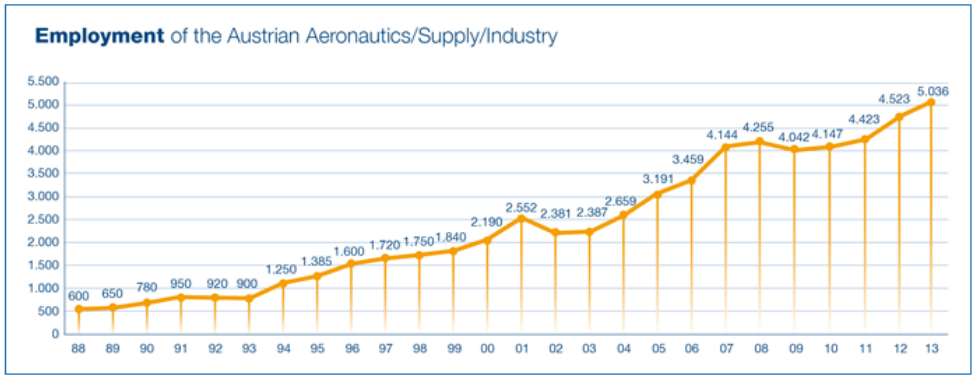
Volume 7 Number 23 – Wednesday, 10 June 2015

Part I: Austria

Part II: Epicos NewsRoom

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.

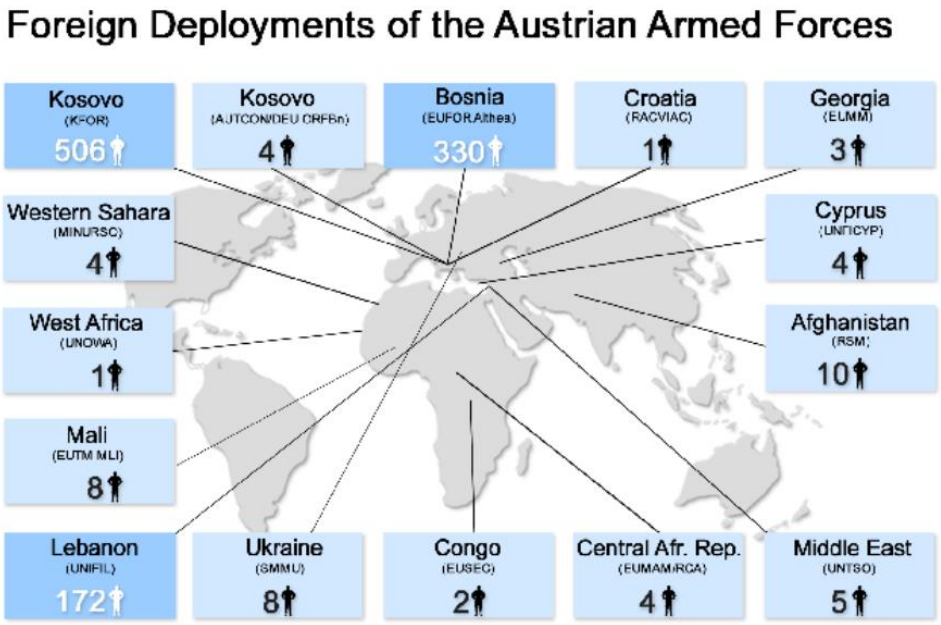
Austrian aircraft manufacturing history dates back to the 1900s, when Etrich started to develop planes like the “Etrich Taube” and Wiener Neustadt became the first airfield and

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

Austria: Participation in International Missions

Peace Support and Peace-keeping are important tasks of the international community, today. In addition to the United Nations other regional organizations, such as OSCE, EU, and NATO are involved in peace keeping missions. As a member nation of many of these international organisations, Austria is contributing to joint international peace keeping efforts. Since 1960, more than 90,000 Austrian troops and civilian helpers have been participating in more than 50 international peace support and humanitarian missions.



Currently the Austrian troops are participating in international missions, such as EUFOR "ALTHEA" in Bosnia and Herzegovina. The mission's scope is to stabilise the military aspects of the Dayton peace agreement and to provide a permanent military presence in order to prevent a renewed threat to peace. Austria had in May 2015, 330 troops in this mission. Additionally, 506 Austrian troops participate in KFOR a NATO-led military mission in Kosovo.

Austria also has troops deployed outside Europe. Namely the Austrian troops are deployed in the UNIFIL mission, in Lebanon. Currently (as of May 2015) there are (172) Austrian troops deployed in this mission.

Over the last years, international operations have become a priority task for the armed forces of all European countries. Austria could not be an exception. Austrian troops participate in several missions in Europe and Middle East enhancing the international presence of the country.

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

Vectronics integrated NBC reconnaissance system

An NBC equipment manufacturer seeks collaboration for the integration of digital NBC detectors with modern intercoms and vehicle Battle Management Systems. Based on the fact that modern military and peace keeping forces operate in areas and countries where protection against NBC warfare is necessary, the integration of a low cost, digital, smart NBC detector to the vehicle's intercom, is a promising solution. The integrated NBC reconnaissance system will be able to detect radiation levels, blister and nerve gases, as well as meteorological parameters. The measured data will be sent via an intercom data bus and the BMS system to higher level Echelons. In parallel, an alarm will inform all crew members of the presence of gases, or any other type of environmental pollution. Through this system, different NBC reports will be rapidly transmitted to upper Echelons, providing enhanced situational awareness.

For Further Information Contact our ICO Department
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Provision of external source for on-board equipment tests and turbine start-up

A company with international references in the production and commercialization of GPUs is proposing the provision of its static Ground Power Unit (GPU), designed for aircraft, as an external source for on-board equipment tests and turbine start-up, to address the international market.

For Further Information Contact our ICO Department

Mail at: g-menexis@epicos.com

Construction Begins on New Royal Navy Warship

The Secretary of State formally started construction of HMS MEDWAY, the second of three River Class Batch 2 vessels, by operating the plasma steel-cutting machine at an event attended by representatives from the Royal Navy, the local community and BAE Systems employees. Defence Secretary, Michael Fallon, said: "These new ships are an important part of the £160 billion we are investing over the next decade in the equipment our armed forces need.

"The contract will benefit the dedicated workers of the Clyde, their families and the local economy in Glasgow. And the investment will ensure these shipyards continue to develop into world class engineering facilities at the heart of a thriving British naval shipbuilding capability."

Mick Ord, Managing Director at BAE Systems Naval Ships, said: “This is a proud day for everyone working on this important programme to deliver three new ships to the Royal Navy. The pace of progress on the River Class vessels reinforces the naval design, engineering and manufacturing skills we have in the UK.

“We are working closely with our Trade Unions, the Ministry of Defence and partners in the supply chain as we continue to build on our proud shipbuilding heritage. With investments in new technologies, cutting-edge processes, new ways of working and improved facilities we are transforming the way we design and build warships. This will enable us to deliver equipment of the highest quality at the lowest possible cost, helping to secure the long-term future of our highly skilled industry in the UK.”

Construction of the first of class vessel HMS FORTH is now well underway with its first unit transferred into the Ship Build Outfit Hall in Glasgow last week. The vessel is now being assembled alongside the final sections of the second Queen Elizabeth Class aircraft carrier, which will be delivered to Rosyth during the course of this year.

The 90 metre OPV is based on a proven BAE Systems design, which is already in service with the Brazilian Navy and Royal Thai Navy. Engineers at BAE Systems have modified the design to meet the requirements of the Royal Navy in support of UK interests both at home and abroad. The OPVs will be globally deployable and capable of ocean patrol with a range of in excess of 5,000 nautical miles and a maximum speed of 24 knots.

The vessels will include a modified flight deck capable of operating the latest Merlin helicopters, larger stores and more accommodation for embarked troops. They will also be the first ships to be built with a BAE Systems designed operating system called Shared

Infrastructure, which will be rolled out across the Royal Navy's surface fleet over the next 10 years. Shared Infrastructure is a state-of-the-art system that will revolutionise the way ships operate by using virtual technologies to host and integrate the sensors, weapons and management systems that complex warships require. Replacing multiple large consoles dedicated to specific tasks with a single hardware solution, reduces the amount of spares required to be carried onboard and will significantly decrease through-life costs.

The manufacturing contract for the three ships was announced in August 2014 and construction of first of class HMS FORTH began in October 2014. The production of HMS TRENT, the third River Class ship, is expected to begin by the end of this year. The first ship is due to be delivered to the Royal Navy in 2017.

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For Further Information Click Here

Republic of Korea – Aegis Combat System

The State Department has made a determination approving a possible Foreign Military Sale to the Republic of Korea for Aegis Combat Systems and associated equipment, parts and logistical support for an estimated cost of $1.91 billion. The Defense Security Cooperation Agency delivered the required certification notifying Congress of this possible sale today.

The Republic of Korea (ROK) has requested a possible sale of 3 Aegis Shipboard Combat Systems, 3 MK-41 Vertical Launching Systems, 3 Common Data Link Management Systems, 3 AN/UPX-29(V) Identification Friend or Foe Interrogators, spare and repair parts, support equipment, publications and technical documentation, personnel training and training equipment, tool and test equipment, U.S. Government and contractor technical, engineering, and logistics support services, and other related elements of logistics support. The total estimated cost is $1.91 billion.

This proposed sale will contribute to the foreign policy and national security objectives of the United States by meeting the legitimate security and defense needs of an ally and partner nation. The ROK is one of the major political and economic powers in East Asia and the Western Pacific and a key partner of the United States in ensuring peace and stability in that region. It is vital to the U.S. interest to assist our Korean ally in developing and maintaining a strong and ready self-defense capability.

The Aegis Combat System will provide enhanced capabilities on the ROK's naval ships to defend against possible aggression and protect sea lines of communications. Aegis is the keystone in the ROK Navy's efforts to upgrade its shipboard combat and ballistic missile defense capability. The ROK will have no difficulty integrating this system into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractors will be Lockheed Martin Maritime Systems and Training in Morristown, New Jersey; Raytheon Company in Andover, Massachusetts; General Dynamics Armament Systems in Burlington, Vermont. Although offsets are requested, they are unknown this time and will be determined during negotiations between the ROK and contractors.

Implementation of this proposal sale will not require any additional U.S. government or U.S. contractor personnel in Korea. However, U.S. Government or contractor personnel in-country visits will be required on a temporary basis in conjunction with program technical oversight and support requirements for approximately five years.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

This notice of a potential sale is required by law and does not mean the sale has been concluded.

All questions regarding this proposed Foreign Military Sale should be directed to the State Department's Bureau of Political Military Affairs, Office of Congressional and Public Affairs, pm-cpa@state.gov.

For Further Information Click Here

Rockwell Collins teams with Hawaiian Airlines and Inmarsat to begin evaluation of SwiftBroadband for safety services

Rockwell Collins announced that its ARINC aviation communications network is playing a central role in enabling Hawaiian Airlines' operational evaluation of the Future Air Navigation Systems (FANS) using Inmarsat's SwiftBroadband (SBB) service.

SBB enables voice and ACARS/FANS data transmissions when aircraft are flying over oceans, improving safety and efficiency in oceanic airspace.

"Rockwell Collins is proud to be involved in enabling another aviation first for flight safety as well as helping our vision of the connected aircraft become a reality," said David Poltorak, vice president, Aviation and Network Services for Rockwell Collins. "Beyond enhancing safety, the growth of broadband connectivity for the flight deck will provide exciting opportunities to bring new flight-enhancing operations and cockpit services to airlines. Many of these services will require significant amounts of data to be delivered to and from the aircraft, which we are well positioned to handle now and in the future."

"SwiftBroadband Safety will have a significant impact on our flight operations," said Ken Rewick, vice president of flight operations for Hawaiian Airlines. "In addition to gaining an upgraded path to FANS, we're also in a position to implement Electronic Flight Bag and Airline Operational Communication applications such as timely weather updates, reroutes and fuel planning over a broadband channel. As a long time Rockwell Collins customer, we are pleased to be using the ARINC aviation communications network to enable this important evaluation."

"This will be the first time the industry, and particularly the air navigation service providers, will be able to experience the performance of the Rockwell Collins service via the Cobham terminal utilizing our leading satellite communications offering," said Mary McMillan, vice president of Safety and Operational Services at Inmarsat. "We're very pleased to be partnering with these leaders in the aviation technology and service business to bring this revolutionary new service to airlines."

The trial is being conducted for the Federal Aviation Administration's (FAA) Performance-based operations Aviation Rulemaking Committee (PARC) Communications Working Group (CWG).

Rockwell Collins is the Inmarsat SBB service provider for the evaluation. The Rockwell Collins ARINC aviation communications network establishes the links and provides a managed service between the Inmarsat ground stations that enable the aircraft to seamlessly communicate and exchange ACARS, CPDLC and IP connectivity with Hawaiian Airlines' host systems, ground crews and regulatory agencies anywhere in the world without interruption.

About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for both commercial and government applications. Our expertise in flight deck avionics, cabin electronics, mission communications, simulation and training, and information management services is delivered by a global workforce, and a service and support network that crosses more than 150 countries. To find out more, please visit www.rockwellcollins.com.

Source: Epicos, Rockwell Collins

U.S. Army Gives Green Light to General Dynamics for WIN-T Increment 2 Full Rate Production

The U.S. Army received approval to move forward with full rate production of the Warfighter Information Network –Tactical (WIN-T) Increment 2 system. Designed and built by General Dynamics, WIN-T Increment 2 provides commanders and soldiers with an unprecedented ability to communicate, share information and intelligence while on patrol, with connectivity rivaling that found in a stationary command post.

The action follows an Acquisition Decision Memorandum (ADM) issued by the office of the U.S. Undersecretary of Defense for Acquisition, Technology and Logistics. The ADM authorizes the Army to proceed to full rate production and fielding of its mobile tactical communications backbone network to all remaining Army units projected to receive the WIN-T Increment 2 system through 2028.

"This is an important milestone and we'll continue to support the Army as it fields this vital mission command and communications system throughout its global force," said Chris Marzilli, president of General Dynamics Mission Systems.

WIN-T Increment 2 is integrated into Mine Resistant Ambush Protected (MRAP), High Mobility Multi-purpose Wheeled Vehicles (HMMWV) and Stryker vehicles. To date, four division headquarters and 12 brigade combat teams have WIN-T Increment 2. The system successfully served Army units supporting the Security Force Assistance Brigades in Afghanistan by replacing the fixed communications infrastructure dismantled when the U.S. military closed its operating bases. Last summer, WIN-T provided the 'communications grid' for humanitarian operations responding to the Ebola epidemic in West Africa.

Production of the WIN-T system takes place primarily at General Dynamics' facility in Taunton, Mass., and supports hundreds of jobs at General Dynamics and supplier locations nationwide. More information about WIN-T, tactical radios, satellite communications and

the cyber-defense products that make up the Soldier's Network is available at www.thesoldiersnetwork.com.

General Dynamics combined the resources of Advanced Information Systems and C4 Systems as "General Dynamics Mission Systems" on January 1, 2015. For more information about General Dynamics Mission Systems, please visit gdmissionsystems.com and follow on Twitter @GDMS.

Source: Epicos, General Dynamics

Harris Corporation Receives $55 Million Order from the Australian Defence Force

Harris Corporation has received a $55 million order to provide the Australian Defence Force (ADF) with comprehensive technical and logistics support for Harris tactical radios that enhance the nation's networked battlefield communications.

Harris will provide maintenance, training, warehouse and distribution, and engineering support under a turnkey, performance-based contracting model to support the Joint Project 2072 Battlespace Communications program. The ADF uses Harris Falcon III® multiband, multi-mode radios in manpack, handheld and vehicular configurations for wideband tactical networking capabilities, as well as line-of-sight, ground-to-air and tactical satellite communications.

"The wide-ranging technical and logistics support will optimize the investment the Australian government has made in Harris tactical radios and strengthen our long-term, collaborative relationship," said Alan Callaghan, vice president, International Sales and Managing Director, Asia Pacific, Harris RF Communications.

Harris RF Communications is the leading global supplier of secure radio communications and embedded high-grade encryption solutions for military, government and commercial organizations. The company's Falcon® family of software-defined tactical radio systems encompasses manpack, handheld and vehicular applications. Falcon III® is the next generation of radios supporting the U.S. military's Joint Tactical Radio System (JTRS) requirements, as well as network-centric operations worldwide. Harris RF Communications is also a leading supplier of assured communications® systems and equipment for public safety, utility and transportation markets — with products ranging from the most advanced IP voice and data networks to portable and mobile single- and multiband radios.

About Harris Corporation
Harris provides advanced, technology-based solutions that solve government and commercial customers' mission critical challenges. The company has approximately $8

billion in annual revenue and about 23,000 employees — including 9,000 engineers and scientists — supporting customers in more than 125 countries. Learn more at harris.com.

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For Further Information Click Here

Source: Epicos, Harris Corporation

Lebanon – A-29 Super Tucano Aircraft

The State Department has made a determination approving a possible Foreign Military Sale to Lebanon for A-29 Super Tucano Aircraft and associated equipment, parts and logistical support for an estimated cost of $462 million. The Defense Security Cooperation Agency delivered the required certification notifying Congress of this possible sale on Jun 5, 2015.

The Government of Lebanon has requested a possible sale of six (6) A-29 Super Tucano aircraft, eight (8) PT6A-68A Turboprop engines (6 installed and 2 spares), eight (8) ALE-47 Countermeasure Dispensing Systems, two thousand (2000) Advanced Precision Kill Weapon Systems, eight (8) AN/AAR-60(V)2 Missile Launch Detection Systems, non-SAASM Embedded Global Positioning System/Initial Navigation System (EGIs), spare and repair parts, flight testing, maintenance support, support equipment, publications and technical documentation, ferry support, personnel training and training equipment, U.S. Government and contractor engineering and logistics support services, and other related elements of logistics support. The estimated cost is $462 million.

This proposed sale serves U.S. national, economic, and security interests by providing Lebanon with airborne capabilities needed to maintain internal security, enforce United Nation's Security Council Resolutions 1559 and 1701, and counter terrorist threats.

The proposed sale of these aircraft will provide Lebanon with a much needed Close Air Support (CAS) platform to meet present and future challenges posed by internal and border

security threats. Lebanon should have no difficulty absorbing these additional aircraft into its armed forces.

The proposed sale of this equipment and support will not alter the basic military balance in the region.

The principal contractors will be:

- Sierra Nevada Corporation Centennial, Colorado
- BAE Systems Nashua, New Hampshire
- Pratt & Whitney East Hartford, Connecticut
- Terma North America Arlington, Virginia
- L-3COM Systems West Salt Lake City, Utah

There are no known offset agreements proposed in connection with this potential sale.

Implementation of this proposed sale will not require any additional U.S. Government or U.S. contractor personnel in Lebanon. However, periodic travel will be required on a temporary basis for program reviews and technical support.

There will be no adverse impact on U.S. defense readiness as a result of this proposed sale.

This notice of a potential sale is required by law and does not mean the sale has been concluded.

All questions regarding this proposed Foreign Military Sale should be directed to the State Department's Bureau of Political Military Affairs, Office of Congressional and Public Affairs, pm-cpa@state.gov.

For Further Information Click Here

Source: Defence Security Cooperation Agency (DSCA)

Germany Announces MEADS Selection for Future Air and Missile Defense System

The German Federal Ministry of Defence has chosen the Medium Extended Air Defense System (MEADS) as the basis for Taktisches Luftverteidigungssystem (TLVS), a next-generation network-based tactical air and missile defense system. It will replace Patriot air defense systems initially fielded in the 1980s.

Lockheed Martin will share in development of Germany's TLVS with its MEADS International partner MBDA Deutschland.

"Lockheed Martin is fully committed to the success of TLVS," said Rick Edwards, president of Lockheed Martin Missiles and Fire Control. "It reflects our continuing commitment to international partnerships and ongoing support for the German government's leadership role in European missile defense."

MEADS has been developed through MEADS International, a cooperative venture between MBDA and Lockheed Martin. The TLVS program ensures seamless continuation of this successful development partnership. Lockheed Martin companies in Dallas, Texas; Huntsville, Alabama; Orlando, Florida; and Syracuse, New York, are expected to support the German program.

"With this decision in favour of MEADS, Germany has opted for a powerful, state-of-the-art, long term ground-based air and missile defence system sufficient to meet the threats both of today and of the future," said Thomas Homberg, managing director of MBDA Deutschland. "It is now our shared responsibility, together with the armed forces, to provide a solid basis for the introduction of the system."

In 2013, at White Sands Missile Range, New Mexico, MEADS became the first air and missile defense system to demonstrate a dual intercept of targets attacking simultaneously from opposite directions. MEADS is designed to significantly reduce operation and support costs by covering a larger area with less manpower and equipment, and less demand on airlift. Once in theater, MEADS elements emplace more quickly and can be repositioned without shutting the system down.

"We are honored that MEADS will provide the foundation for Germany's next-generation air and missile defense system," said Mike Trotsky, vice president of air and missile defense at Lockheed Martin Missiles and Fire Control. "Only MEADS has demonstrated the advanced network capabilities and 360-degree defense that are now essential requirements for air and missile defense systems."

For additional information, visit http://www.lockheedmartin.com/us/products/meads.html

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 112,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The Corporation's net sales for 2014 were $45.6 billion.

Source: Epicos, Lockheed Martin