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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

Spanish Navy: International Presence

Currently, the Spanish Navy has 27 ships at sea, and 2,031 people embarked or deployed away from their bases. One of the missions the Spanish Navy takes place

is the EU counter-piracy operation 'Atalanta'. On May 7, 2015 the Spanish Navy assumed command of the mission. The ceremony held on board the HNLMS 'Johan de Witt' was presided over by the Spanish Minister of Defense, Mr. Pedro Morenes, and the Chief of the Joint Staff, Admiral Mr. Fernando Garcia. The Galicia landing platform dock will be the command ship for the third time.

Another deployment of the Spanish ship took place is on April 27th, when the frigate 'Blas de Lezo' (F-103) set sail from Ferrol (northwestern Spain) towards Bergen (Norway) to participate in NATO's anti-submarine exercise 'Dynamic Mongoose 2015' which is scheduled to last 10 days.

The frigate 'Blas de Lezo' will return to home port on May 19th after the conclusion of the exercise.

On March 2nd the Offshore Patrol Vessel (OPV) 'Vencedora' set sail from the home port in Cartagena to take part in several cooperative security activities in the African continent as part of the Defense diplomacy plan within the 'Africa Partnership Station' (APS) initiative. The OPV's home port is Cartagena and its main missions are: maritime security, fight against sea pollution, detection and tracking of possible illegal activities and collaboration with other Spanish constabulary and security forces fighting terrorism and drug trafficking.

Kyriazis Vasileios,
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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](#)

Mini-UAV compact avionics package

A leading company in the design and development of advanced avionics systems is proposing the development and installation of a miniaturized avionics package system to be used in several Unmanned Airborne Vehicle (UAV) designs. The proposed system will utilize state of the art sensors technology and it will include rate sensors, acceleration sensors, GPS, air data sensors and multiple I/O signals, all controlled and monitored by a

single powerful processor. The developed system will be capable of fulfilling the related requirements of existing or new UAV designs.

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

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Multi spectral representation device (target) for Dry and Live training

A technology start-up company with registered patent applications in the area of visual products used for day & night forces training, based on technologic platforms which include targets identification & marking products for the fighting forces is proposing to partner with another company in a targeted country. The partnership can include the provision of a cost effective training solution and a knowledge transfer of the company’s multi spectral representation device (target) for Dry and Live training.

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Thailand, Romania Select Lockheed Martin's Sniper Advanced Targeting Pod for F-16 Fleets



The Romanian Air Force (RoAF) and Royal Thai Air Force (RTAF) recently selected Lockheed Martin's (NYSE: LMT) Sniper Advanced Targeting Pod (ATP) for their F-

16 fleets, becoming the 18th and 19th international customers to receive this advanced sensor capability.

Lockheed Martin will integrate and field Sniper ATPs on existing RoAF and RTAF aircraft and provide initial sustainment support. Pod deliveries began in early 2015 to meet operational need requirements.

"Sniper ATP will provide the RoAF and the RTAF with precision targeting capability to locate targets using high-resolution imagery," said Rich Lovette, Sniper ATP international program director at Lockheed Martin Missiles and Fire Control. "Sniper ATP's proven performance and low life-cycle costs are key differentiators for these air forces and other allies abroad."

Sniper ATP offers pilots high-resolution imagery for precision targeting and non-traditional intelligence, surveillance and reconnaissance missions. It detects, identifies, automatically tracks and laser-designates small tactical targets at long ranges and supports employment of laser- and GPS-guided weapons against multiple fixed and moving targets.

Sniper ATP's interoperability also enables coalition air forces to use the pod across multiple platforms, including U.S. Air Force and multinational F-15, F-16, F-18, A-10, B-1 and B-52 aircraft.

For additional information, visit: www.lockheedmartin.com.

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.

RUAG completes acquisition of Patria's space business



taking on all 29 employees.

The sale of Patria's space business to RUAG is now complete. On 7 May the two contracting parties completed the final transaction steps as planned. The Finnish company's space activities are being transferred to the newly founded RUAG Space Finland, which is also

RUAG and Patria announced the acquisition in December 2014. RUAG Space Finland's key product areas are spacecraft control electronics, electrical power subsystems, drive electronic units and related test equipment. The acquired space operations has been very successful and active in various satellite programs of the European Space Agency (ESA) such as the earth observation satellites Sentinel-2, Earthcare and Swarm and the Gaia space telescope.

"We are very happy to welcome the Finnish staff into RUAG", says Peter Guggenbach, CEO of RUAG Space. "The acquisition of Patria Space is an important step towards a further internationalization of our space operations and the skills and competence of the Finnish unit will be a valuable addition to our existing capabilities."

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For Further Information [Click Here](#)



Test Flight Confirms Suitability of Latest Raytheon AESA for International Legacy Hornet Upgrades

A successful flight test of the Raytheon-built APG-79(V)X AESA radar system has demonstrated the functions needed to extend the combat relevance of F/A-18C/D Hornet aircraft for 15 to 20 years. Hornet fleets upgrading to the new APG-79V(X) radar will receive Super Hornet-like capabilities, including:

- extended detection ranges
- simultaneous air-to-air and air-to-ground capabilities
- production of high-resolution synthetic aperture radar (SAR) mapping
- industry leading reliability

"We put our latest AESA radar to the test, and it exceeded our expectations," said Mike "Ponch" Garcia, business development director of Tactical Airborne Systems for Raytheon's Space and Airborne Systems business, and a former F/A-18E/F Super Hornet pilot/instructor. "Our APG-79(V)X combines the best features of our AESA portfolio to maintain tactical advantage for F/A-18C/D aircraft."

Since fielding the world's first operational AESA radar for airborne platforms in 2000, Raytheon has delivered more than 500 tactical AESA radars for F-15, F/A-18E/F, EA-18G and B-2 aircraft. The APG-79 system, a U.S. Navy program of record, flies globally on F/A-18E/F Super Hornets and EA-18G Growlers, and has seen service in four combat theaters since its first delivery in 2006.

"Our experience with AESA radar systems ensures a low-risk transition to the APG-79V(X). Installations require less than 60 minutes," said Roy Azevedo, vice president for Raytheon's Space and Airborne Systems business. "In these uncertain economic times, when defense budgets are particularly tight, Raytheon's APG-79V(X) radar offers a proven, cost-effective solution for Hornet life extension, as well as significant opportunities for in-country manufacturing partnerships."

About Raytheon

Raytheon Company (NYSE: RTN), with 2014 sales of \$23 billion and 61,000 employees worldwide, is a technology and innovation leader specializing in defense, security and civil markets throughout the world. With a history of innovation spanning 93 years, Raytheon provides state-of-the-art electronics, mission systems integration and other capabilities in the areas of sensing; effects; and command, control, communications and intelligence systems, as well as cyber security and a broad range of mission support services. Raytheon is

headquartered in Waltham, Mass. For more about Raytheon, visit www.raytheon.com and follow on Twitter @raytheon.

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Source: Epicos, Raytheon

The Royal Netherlands Air Force's Pilots Will Train on the Finmeccanica - Alenia Aermacchi M-346 Aircraft

The Royal Netherlands Air Force's Pilots will train in Italy on Finmeccanica - Alenia Aermacchi's jets in service with the Italian Air Force, thanks to the agreement that has been signed by the Chiefs of Staff of the two Air Forces in Milan last week that envisages the detachment of an instructor and two student pilots of the Royal Netherlands Air Force, to be stationed at ItAF's Lecce-Galatina AFB Flight School.

It is the two countries' intention that this first group of pilots represent the starting point for a fruitful cooperation to be extended for years to come.

The instructor and the two students will follow the standard training programmes of the Italian military pilots. The training system is already acknowledged and appreciated by other countries, which have sent their personnel to train at the Lecce-Galatina school.

In fact, the new training programme, recently reconfigured to catch up with operational and technological advances, thanks to the entry in service of the new Finmeccanica-Alenia's M-346 trainers (called T-346 by the Italian Air Force), is evaluated with great interest by several air forces that plan to operate new-generation aircraft.

For Further Information [Click Here](#)

Source: Epicos, Finmeccanica - Alenia Aermacchi

EU accepts anti-trust remedies from Delta, Air France, Alitalia

EU regulators accepted concessions from Delta, Air France-KLM and Alitalia on Tuesday to end an anti-trust probe into alleged illegal collusion over flights between the United States and Europe.

The European Commission will make the commitments legally binding in an effort to "ensure that passengers flying from Paris, Amsterdam or Rome to New York continue to benefit from competitive prices and choice," EU Competition Commissioner Margrethe Vestager said in a statement.

To satisfy the regulator, the airlines agreed to give up landing and take-off slots on routes to New York as well as give access to rivals on the Amsterdam-New York and Rome-New York routes.

The airlines also offered to allow rivals to sell tickets on their flights and give access to frequent-flier programmes on the routes.

The Commission opened a competition probe into Air France/KLM, Alitalia and Delta in January 2012 on fears that their cooperation harmed passengers on the key routes. The three companies work together through the SkyTeam global airline alliance, one of several which dominate the industry.

In the alliance, the carriers coordinate the capacity, schedules, prices and revenue management of their transatlantic operations.

The SkyTeam alliance members also share profits and losses on transatlantic flights.

The Commission has imposed similar commitments on the rival Oneworld and Star airline alliances.

Source: 2015 AFP, Agence France-Presse (AFP)

General Dynamics NASSCO Starts Construction on Fourth American Petroleum ECO Tanker

General Dynamics NASSCO signaled the start of construction of a fourth "ECO" tanker to be built for American Petroleum Tankers at a steel cutting ceremony on Friday, May 8, at NASSCO's San Diego shipyard. U.S. Rep. Susan Davis helped signal the beginning of construction by pressing a button to cut the first piece of steel.

As part of a five-tanker contract, the new ECO tankers solidify a mutual commitment between General Dynamics NASSCO and American Petroleum Tankers to design, build and operate innovative and increased energy efficient and fuel-saving products. Each of the five 50,000 deadweight ton product carriers to be constructed by NASSCO will be LNG-conversion ready and will carry 330,000 barrels of cargo. With a specialized ECO design, the tankers are more energy efficient and incorporate environmental protection features, including a Ballast Water Treatment System.

"These Jones Act-qualified tankers are some of the most energy-efficient, fuel-saving and cost-effective tankers in the world. They are also instrumental in providing high-quality, good-paying jobs," said Kevin Graney, vice president and general manager of General Dynamics NASSCO. "NASSCO is leading the way in America for designing and building new and innovative green ship technologies."

The five-tanker contract has been instrumental in helping to sustain and grow the company's local workforce. NASSCO began construction on the first tanker under the current contract in September 2014.

"We are very excited to be starting construction on our fourth tanker at General Dynamics NASSCO. We look forward to taking delivery of another highly fuel-efficient and environmentally-friendly vessel that will provide first class service to our customers," said Rob Kurz, president of American Petroleum Tankers.

The construction and operation of the new vessels are aligned with the Jones Act, requiring ships carrying cargo between U.S. ports to be built, crewed and owned by the U.S.

For more information about General Dynamics NASSCO, a business unit of General Dynamics (NYSE: GD), visit www.nassco.com.

For more information about American Petroleum Tankers, please visit www.kindermorgan.com/business/terminals/apt.cfm.

Source: Epicos, General Dynamics NASSCO

EasyJet shares dive on profit outlook

EasyJet shares slumped almost ten percent on Tuesday as the budget carrier said a strike by French air traffic controllers last month would slash profits.

It comes after the British airline said it had managed an unlikely profit during its first half, a period when carriers normally report losses, thanks to lower fuel costs and a stronger pound.

But EasyJet shares tumbled in London after it said April's strike action by French air traffic controllers would hit pre-tax profits by £25 million (\$39 million, 35 million euros).

"Warning of turbulence ahead has taken the shine off a sunny start after delivering profits in its seasonally weaker first half," said Peter Ward, dealer at London Capital Group.

"Cheaper fuel costs helped the first half as expected, but... French strike action as EasyJet embarks upon its key summer travel season has ruffled investors."

The British airline reported a net profit of £5.0 million in the six months to the end of March compared with a loss after tax of £41 million one year earlier.

EasyJet, like its rivals, tends to post losses during the northern hemisphere winter when it carries fewer passengers compared with the peak summer holiday season.

"As expected the lower oil price has been beneficial for customers and EasyJet will be able to offer its customers even better value fares this summer whilst continuing to grow revenue and profit," the airline said in an earnings statement.

Oil prices slumped for most of the reporting period on a supply glut, making the cost of jet fuel -- which is refined from crude -- cheaper.

EasyJet had meanwhile announced in late March that earnings had benefited during its first half from currency movements after the European single currency slumped to multi-year low points against the pound and dollar on the back of eurozone strains.

Shares in EasyJet finished 9.77 percent lower at 1,654 pence on London's benchmark FTSE 100 index, which closed 1.37 percent down at 6,933.80 points on Greek euro exit fears.

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Source: 2015 AFP, Agence France-Presse (AFP)