

ITALIAN DEFENCE INDUSTRY REVIEW



Protecting the Protectors

How the Iveco Lynx is keeping pace with the evolution of enemy threats in Afghanistan



MADE IN ITALY

Italian exhibitors at the Defence Systems & Equipment International 2009

ALSO INSIDE THIS ISSUE

- Spotlight on Aero Sekur
- From Hostage to Mentor
- AIAD-DMA cooperation

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Welcome to the Italian Defence Industry Review's first issue. Our monthly update on developments in the Italian defence sector comes at a time of particular movement on all fronts. We bring you selected industry news reports and feature articles on key current topics - all in a compact format that integrates the speed and agility of the internet with objective, accurate reporting.

Ongoing developments in Afghanistan and Iraq make two articles in this edition especially significant: in the first, Massimo Amorosi examines how Iveco's "Lynx" armoured vehicles are already saving the lives of coalition troops from Kandahar to Kunduz. Philip Willan's piece explains how hostage survivor Salvatore Stefio's own harrowing experience in Iraq is now being put to good use - and may help others survive similar situations.

Alongside feature articles by our specialist contributors, we bring you an overview of the forthcoming Defence Systems & Equipment International (DSEi) exhibition in London, a profile of the Italian exhibitors at the DSEi, and an update on current and future collaboration between AIAD and the DMA. For those who don't recognize these acronyms - read on, because you should !

We hope that you find the Italian Defence Industry Review a valuable, time-saving resource to which you turn each month, beginning now. The rest is up to you...

Buona lettura !!

Mark Lowe

Mark Lowe - Editor in Chief



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يتناول مؤتمر الشرق الأوسط للاليات المدرعة المواضيع الرئيسية والاستراتيجيات والحلول التقنية التي من شأنها تحقيق التوازن في امكانيات الاليات المدرعة للعمليات المستقبلية وبهذا الشأن سيقدم لكم الخبراء المتحدثين في هذا المؤتمر الفرصة ل:

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Protecting the Protectors

How the Iveco Lynx is keeping pace with the evolution of enemy threats in Afghanistan



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Iveco armoured for the Afghan war's new strategy?

by Massimo Amorosi

Patrolling Afghanistan's dust choked, deeply rutted and increasingly deadly roads every day since 2002, Italian troops have nonetheless suffered fewer casualties than other ISAF contingents. There are several key reasons, however, why this situation might change soon: more frequent – and more skilled – Taliban insurgent attacks, deteriorating overall security conditions, and the revised strategic posture recently recommended to all allied forces by ISAF's new commander, U.S. General Stanley McChrystal.

Applying these new counterinsurgency strategies from inside the safety of Iveco's blast-resistant light multirole vehicle (LMV), "Lynx", may prove challenging in the long term. But on numerous occasions, this Italian-built armoured vehicle has already saved the lives of troops in Afghanistan, helping them survive attacks by IEDs, land-mines, suicide car bombs, and even direct RPG hits. Because the "Lynx" provides a high degree of crew protection against such threats, the vehicle is becoming a standard among NATO countries. The Slovak Republic ordered the "Lynx" for its Afghanistan-based troops, as did Austria, Belgium, the UK, Croatia, the Czech Republic, Norway, and Spain.

One day this past July, a group of Italian Army "Lynx" vehicles came bumping along a dirt track 40 kilometres northeast of Farah, apparently under observation by Taliban forces. Hit by the remote-controlled detonation of an IED, one of the vehicles turned over, and the turret gunner was killed. Despite the intensity of the blast, none of the troops inside the "Lynx" were seriously injured. In dozens of IED attacks since 2007, similar dynamics played out: soldiers inside the vehicles survived with minor injuries because the de-

sign of the "Lynx" emphasizes crew protection over vehicle integrity. However, turret gunners, the crew members most exposed to enemy fire, continued to suffer severe injuries and fatalities. Even prior to July's most recent deadly IED attack, the Italian Ministry of Defence had already issued a tender for remote controlled turrets to replace the manned hatches on the "Lynx" patrol vehicles. This upgrade will increase the protection of the gunner, insulating him from both sniper fire and explosions, which often cause the turnover of the vehicle.

Italian Defence Minister Ignazio La Russa, addressing Parliament, stated that more protection is needed for the turret gunners riding in the open hatch of "Lynx" vehicles. Referring to the highly adaptive nature of the Afghan insurgents, La Russa correctly emphasized the need to anticipate the evolution of enemy threats and to counter them with appropriate technological solutions. Recognizing the prominent role of the Italian defence industry in this regard, La Russa, however, conceded that total security is impossible. Generals with experience on the ground in Afghanistan also acknowledge that no vehicle or weapons platform is invulnerable: "progress in adopting defensive measures is always followed by the improvement of offensive capabilities", as they often remind us, referring to ongoing Taliban attacks on ever more heavily-armoured convoys. Many of the armoured vehicles used in these convoys are of the same category as the Italian "Lynx" and the American-built "Cougar", which has been deployed by the U.S. Marines.

Technology, however, is not infallible. The Italian Army's stated intention to equip their troops in Afghanistan with the new "Freccia" vehicles, developed by AFV manufacturers Iveco and Oto-Melara, has raised some serious doubts among observers.



Iveco Lynx during a winter training exercise in Italy. Image © Stato Maggiore Esercito - Italian Army

This vehicle is very different from the "Lynx" in terms of size and weight (the "Lynx" weighs 7 tons, while the "Freccia" comes in at just under 27 tons) and is not designed to carry out the same missions. It is an infantry fighting vehicle – a variant of the Italian "Centauro" tank destroyer – and will be one of the main components of the digitally networked medium brigades the Italian Army is planning to field in the next decade. Even if it specifically provides protection against IEDs, this vehicle does not seem as flexible as the "Lynx" or particularly suited to the challenging Afghan terrain. Some roads in Afghanistan, for example the one between Herat and Bala Murghab, which snakes through the mountains of Badghis Province, would slow or completely obstruct the movement of any Italian units equipped with "Freccia" vehicles.

Technology does not dictate strategy. Italian troops in Afghanistan are currently focused on force protection, which is not in line with the strategy traditionally followed by Italy's military units during overseas missions. Italians have always favoured establishing good relations with the local population. Furthermore, the current trend towards minimizing interaction with Afghan civilians seems to run

counter to the new population-centric strategic posture recommended to all allied forces by Gen. Stanley McChrystal, the ISAF's new commander. The new approach would sacrifice the protection of the soldiers and focus on winning support among the civilian population. Its primary purpose is to provide basic security to the local people and thereby weaken the Taliban's support base, shifting the intelligence war in favour of the counterinsurgent.

To accomplish these goals, the new strategy proposes fielding a more distributed military presence among civilians and sending out more dismounted patrols, even at the risk of endangering soldiers' lives. On the other hand, the coalition cannot fight a successful counterinsurgency campaign only from the safety of large forward operating bases or from inside armoured vehicles. Rising casualty figures cause distress at home – no one doubts that. Britain, for example, witnessed the strongly critical reaction to the fact that British casualties in Afghanistan have now surpassed the total number of British troops killed in Iraq.

Though paradoxical, the new strategy articulated by U.S. General David Petraeus, is actually rooted in basic counterinsurgency doctrine. His approach has produced significant results, not only in Iraq but in some Afghan provinces as well. Some local people, influenced by the new strategy, have already acted to isolate the Taliban on their own, and provided precious intelligence to the coalition. This is the new road which ISAF forces will be travelling on, inside or outside of their blast-resistant vehicles.

About the Author



Massimo Amorosi has a degree in Political Science and International Affairs from the Luiss University in Rome. He is currently a lecturer at the Luiss University in strategic studies with General Carlo Jean, as well as an expert consultant to the Italian Ministry of Foreign Affairs for the Italian Presidency of the G8.

He collaborated with the Centre for Studies in Economic Geopolitics (CSGE) and the Military Centre for Strategic Studies (CeMiSS) in Rome working on issues regarding missile defence and WMD proliferation. He has also advised the Defence Committee of the Italian Senate on defence and security-related issues.

Massimo is co-author of "La Nato dopo l'11 Settembre. Stati Uniti ed Europa nell'epoca del terrorismo globale" (Rubbettino, 2004). He collaborates with the web magazine *Analisi Difesa* and has published articles in *Rivista Italiana Difesa*, *Rivista Militare*, *Imperi* and *L'Occidentale*.



Iveco Lynx on patrol in Afghanistan. Image © Stato Maggiore Esercito - Italian Army



Detail of the highly protected interior of an Iveco Lynx

LMV in CASEVAC configuration

Rapid advances in military medicine have had a dramatic impact on the urgency with which casualties are treated. Where, until recently, the focus was on the Golden Hour, with the casualty being given the best chance of survival by being stabilised and readied for evacuation within 60 minutes, now the emphasis is on the Platinum Half Hour, with survival rates rising steeply where treatment is provided within 30 minutes. This has significant implications for the designers of CASEVAC vehicles.

Current asymmetric operations impose very different demands on medical teams from conventional war. In theatres such as Afghanistan, forces are much more dispersed, with patrols operating sometimes many kilometres from their base. Often the local operations room will have to control numerous patrols deployed at the same time. In order to provide an effective CASEVAC system, patrols are frequently constrained to the distance which can be reached by a helicopter in less than one hour. This is commonly referred to as the Blue Light Matrix and must cater not just for national assets in the area but also for any coalition forces which are transiting through it.

Patrols and small convoys normally include a CASEVAC vehicle, which must be as well protected as the other vehicles in the formation and which must possess sufficient mobility to facilitate the extraction of casualties, often under fire. Within these vehicles, immediate first aid and stabilisation can be undertaken, and the casualty can then be transferred to either a CASEVAC helicopter or to an aid post.

Iveco Defence Vehicles has built on the remarkable commercial and operational success of its Light Multirole Vehicle (LMV) to develop a CASEVAC variant which will meet this demanding requirement. Currently deployed in Afghanistan by four different nations, LMV is well regarded by its users, and its high levels of protection and mobility have already saved numerous lives. The Italian and the Spanish Army have already taken delivery of a number of these LMV CASEVAC vehicles.

In this new configuration, the LMV allow the installation of a variety of lifesaving apparatus, besides providing sufficient space to allow paramedic personnel to work comfortably on the one stretcher case and two seated casualties which can be transported on board.

This vehicle's ability to allow immediate care to be provided even in higher threat areas enables it to operate within patrols and convoys, or in support of operations, and its protection must therefore be as good as that of the vehicles which it is accompanying. The LMV crew compartment is based on the "crew cell" concept, and provides a high level of survivability to the occupants. The two crewmembers and the medical compartment are housed in a steel and composite crew cell providing protection up to STANAG Level 2 both against ballistic and mine threats. Specific solutions to address IED threats have also been adopted, and the use of energy absorbing seats further enhances the level of protection provided.



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Salvatore Stefio

From hostage to mentor

Iraq hostage uses kidnap experience for survival course

by Philip Willan

One of the three Italian security contractors who survived kidnapping in Iraq is now helping others learn from his horrific experience. Salvatore Stefio is providing survival training for members of the military corps of the Italian Red Cross (CRI).

Stefio, 39, holds the rank of CRI sub-lieutenant, and recently served with the corps in Italy's Abruzzo Region, where he spent a month assisting the victims of the April 6 earthquake. Salvatore Stefio was one of four Italian security contractors kidnapped in Iraq in April 2004. He and two colleagues, Umberto Cupertino and Maurizio Agliana, were freed by US troops after 56 days in captivity. Fabrizio Quattrocchi, the fourth contractor, was brutally executed by their captors.



Footage made by the group's captors and aired by Al Jazeera

Some of the lessons which Stefio learned during that traumatic experience form the basis for a SERE (Survival, Evasion, Resistance, Escape) training course which members of the CRI'S military corps – one of the humanitarian organisation's six divisions – will complete before they are sent on missions abroad. "We ran an experimental course a few months ago, which was positively received and the corps command has now approved our proposal," Stefio told Italian Defence Industry Review.



Simulation of interrogation techniques during the course designed by Stefio



Images from footage made by coalition forces during the operation to free the hostages. Jerzy Kos, a Polish citizen who was held with the three Italians, can be seen on the left.



Fabrizio Quattrocchi

A basic course, for groups of around five people, lasts 24 hours. "We simulate capture, modern interrogation techniques, stress positions, escape planning and survival in hostile terrain," Stefio said. "I have used my experience in Iraq and adapted it to the training module," he said. "I am very happy to be able to do something for the benefit of my country and am particularly grateful to the military corps of the Red Cross for giving me this opportunity." Stefio designed the course with help from his original survival trainer, Walter Paradiso, and has some seven collaborators who help him to implement the SERE exercises.

Stefio stressed the importance of establishing a relationship with one's captors: "It's very important to spin out the time, to exert your own influence on the management of time. There are a whole series of techniques that can be used." All three survivors have managed to recover from the trauma of their experience in Iraq, and the loss of Quattrocchi, whose death was videotaped by his captors. In his last moments of life, he attempted to tear off his hood and shouted defiantly at his executioners: "I'll show you how an Italian dies."

"Thank God, we have all gotten over it very quickly," Stefio said. Stefio said he would be happy to collaborate with his former colleagues if the survival courses are extended to civilian personnel. "A lot of civilians find themselves in danger zones and it would be useful for them to benefit from basic survival training. My colleagues (both are civilians) could give a hand."



Salvatore Stefio in Abruzzo during the operation to provide assistance to victims of last April's earthquake

Returning to Italian life after his hostage ordeal has not been entirely smooth for Stefio. Accused of illegally recruiting mercenaries for service overseas, he is currently on trial in Bari, in southern Italy. Stefio considers the CRI'S embrace of the survival courses he designed as a significant sign in his favour. "There have already been four hearings, but I have no idea when it will end," Stefio said. "Honestly, it's an improbable charge, based on a law dating from the 1930's. There is no realistic basis for applying it to the modern era."

Stefio vaunts his appointment as a CRI officer as a vindication of his conduct and personal integrity. "My appointment was directly approved by the president of the republic, Giorgio Napolitano. He appointed me as an officer, and he is not a president who can be suspected of right-wing sympathies."

About the Author



Philip Willan is a Rome-based freelance journalist who has been reporting on Italy for almost 30 years. He specialises in Italian parapolitics during the cold war and is the author of two books: "Puppetmasters: The political use of terrorism in Italy" and "The Last Supper: The mafia, the masons and the killing of Roberto Calvi". He was born in 1957, studied modern languages at Oxford, and began his journalistic career on the International Daily News, an English-language newspaper published in Rome. He currently writes for the Glasgow Sunday Herald, about information technology for the International Data Group (IDG) and collaborates with various broadcast media.



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EM-Defence currently advise both the UK Defence Manufacturers Association (DMA) and the Italian Federation for Aerospace, Defence and Security (AIAD).

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SPOTLIGHT ON

This month's Spotlight On features Aero Sekur, a specialist supplier of safety systems and advanced flexible materials to the global aerospace and defence markets.

Overview



Aero Sekur NBC suits offer enhanced protection

Aero Sekur is a specialist supplier of safety systems and advanced flexible materials to the global aerospace and defence markets. The company has extensive manufacturing and R&D facilities in Italy and representation worldwide. The core competency of the business is the design and development of advanced engineered structures using flexible materials.

Aero Sekur was formed in 1993 by the merger of Irvin Aerospace (founded in 1968) and the Sekur division of Pirelli, bringing together 40 years of experience in parachutes, NBC equipment, aircraft fuel tanks and complex flexible structures. It was in this year that the business moved into its current, modern, purpose-built factory approximately 40 km south of Rome, Italy.

With specialist manufacturing areas for each of its product lines and a high level of environmental control in the manufacturing areas, Aero Sekur exceeds all current environmental legislation and provides a clean, safe and organised working environment. Manufacturing plant includes autoclaves, CNC material cutting equipment, automated sewing machines, moulding presses, and fuel tank test facilities (including pressure test).

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**Aero Sekur at DSEi 2009
Stand Number: 2264**

Aero Sekur, the Anglo-Italian company specialising in safety systems and flexible structures, will exhibit a new generation of NBC and combat clothing at DSEi. Advanced materials combined with innovative construction and design techniques have resulted in defence apparel that offers significant weight and performance benefits compared to existing equipment.



Capability in the field of advanced defence clothing is confirmed with Aero Sekur's work as part of the "SOLDATO FUTURO" programme. The industrial collaboration comprises market leading development companies working to produce the Italian Future Soldier. Aero Sekur has specific responsibility for the development of NBC masks/canisters, NBC combat suits including NBC gloves and boots, combat suits, battle dress uniforms, combat boots, sniper suits and over-garments.

Details of Aero Sekur's full defence market product portfolio will be available at DSEi, including respirators and masks, NBC suits, combat suits, collective filtration systems, helicopter liferaft and flotation systems, fuel tanks and protected inflatable structures.

Aero Sekur has extensive manufacturing and R&D facilities in Italy and representation worldwide. The company has a track record dating back over forty years supplying the defence sector.

Aero Sekur sniper suit provides multi-spectral camouflage



Aero Sekur's work as part of the Italian Future Soldier programme includes developing and manufacturing NBC masks (left) and producing a new sniper suit poncho (fabric shown right).

A new sniper suit poncho has been developed by Aero Sekur as part of the company's work for 'Soldato Futuro' - the Italian Future Soldier programme. Providing effective camouflage in the multi-spectral range, a new fabric used for the suit alters detection capabilities of opto-electronic devices to protect the wearer.

Aero Sekur, an Anglo-Italian company which specialises in the innovative use of flexible materials, reports that the new addition to its portfolio complements its range of safety and camouflage solutions for defence applications.

Designed to prevent detection from night vision glasses during general use, the sniper suit's application extends to providing shelter during extended night missions. A water-repellent feature integral to the fabric ensures that the suit can be worn in any climatic condition.

Aero Sekur filtration system offers near infinite life



An Aero Sekur regenerative NBC collective filtration system under development will benefit long duration missions or continuously contaminated environments.

A new regenerative Nuclear, Biological and Chemical (NBC) collective filtration system for military and dual use is under development by Aero Sekur. The initiative from Aero Sekur's ground defence division will provide a near infinite system life and therefore offers significant cost savings for both army and navy applications.

Drawing on its 40 year history of innovation in specialist safety systems and advanced flexible structures, Aero Sekur reports that the new solution, currently in development for the Italian Navy, adopts technology that will replace traditional NBC filtration systems. Typical applications will include ships, frigates, shelters and the protection of civil installations against terrorist attacks.

As part of Aero Sekur's ground defence portfolio, the new filtration solution will complement other products in the company's range that includes respirators, masks, CBRN protective suits, protected environmental structures, collective filtration systems and advanced combat clothing.

Commenting on the company's latest defence sector initiative, Marco Adami Aero Sekur's Ground Defence Business Unit Manager advises that existing filtration systems are predominantly based on activated carbon filters that require replacement of filtration cartridges and have a defined life. Detailing the company's development initiative that addresses these issues, Adami said:

"Drawing on our experience in CBRN collective protection, high air volume system capability is provided by HEPA filters to remove biological contamination and an innovative regeneration filtration system controls the chemical burden.

"HEPA filters, which are lightweight and low in power usage, prevent spread of airborne bacteria and viral organisms. Typically, the filters incorporate high energy UV light which kills trapped bacteria and viruses.

"Regenerative systems tend to be high in both weight and power demand. The breakthrough that Aero Sekur has made is producing a prototype chemical filtration system that has a near infinite life with low weight and power usage."

Defence applications set to benefit from Aero Sekur's filtration system include missions that are long duration or in continuously contaminated environments. The company reports that the solution will also be advantageous for large protected volume applications.

The ongoing development programme is co-financed by the Italian Ministry of Defence under Italy's National Military Research Plan.

Footnote: As part of the regeneration concept, once a filtration cell has become saturated by chemical contaminants, a second clean cell is activated. During this phase, the first cell can be cleaned and regenerated using a small percentage of clean air in reverse flux from the second cell.

Aero Sekur establishes UK base at Harwell

Investment in facilities at the Harwell Science and Innovation Campus reinforces Aero Sekur's established relationship with the BNSC and its commitment to the UK market.



Aero Sekur CEO Mark Butler (centre) with Dr David Parker, Director Space Science BNSC (left) and Dr Ian Gibson, Director Technology and Industrial Policy BNSC (right).



From left: Dr David Parker (BNSC), Tom Cramman (Aero Sekur Regional Sales Manager - UK), Mark Butler (Aero Sekur CEO) and Dr Ian Gibson (BNSC).

Aero Sekur, a specialist in aerospace and defence sector products, is expanding its UK presence with offices at the Harwell Science and Innovation Campus. The Harwell offices for Aero Sekur will house an initial four newly recruited commercial and engineering employees. The investment supports European growth for the company and preparation for introduction of UK Aero Sekur production facilities, planned for 2010. Employing 172 people, Aero Sekur's main 150,000 sq ft production premises are located 30 miles South of Rome. Prime production will continue in Italy and longer term plans include investment in UK manufacturing facilities to support specific local requirements.

Aero Sekur recognises that basing its new UK company at Harwell will strengthen its Anglo-Italian brand. It will also assist in developing relationships with academia, Government and industry, thereby helping to strengthen the UK's international reputation as technology leaders.

The company's established defence industry portfolio will be promoted at Harwell alongside its space sector capabilities. Aero Sekur's defence products include respirators and masks, CBRN protective suits, protected environmental structures, collective filtration systems and advanced combat clothing. Reinforcing commitment to the UK, a new company Aero Sekur Space and Defence Systems Ltd has been formed.



New generation NBC suits from Aero Sekur combine flexibility with functionality

Aero Sekur at the DSEi 2009 (Stand 2264)

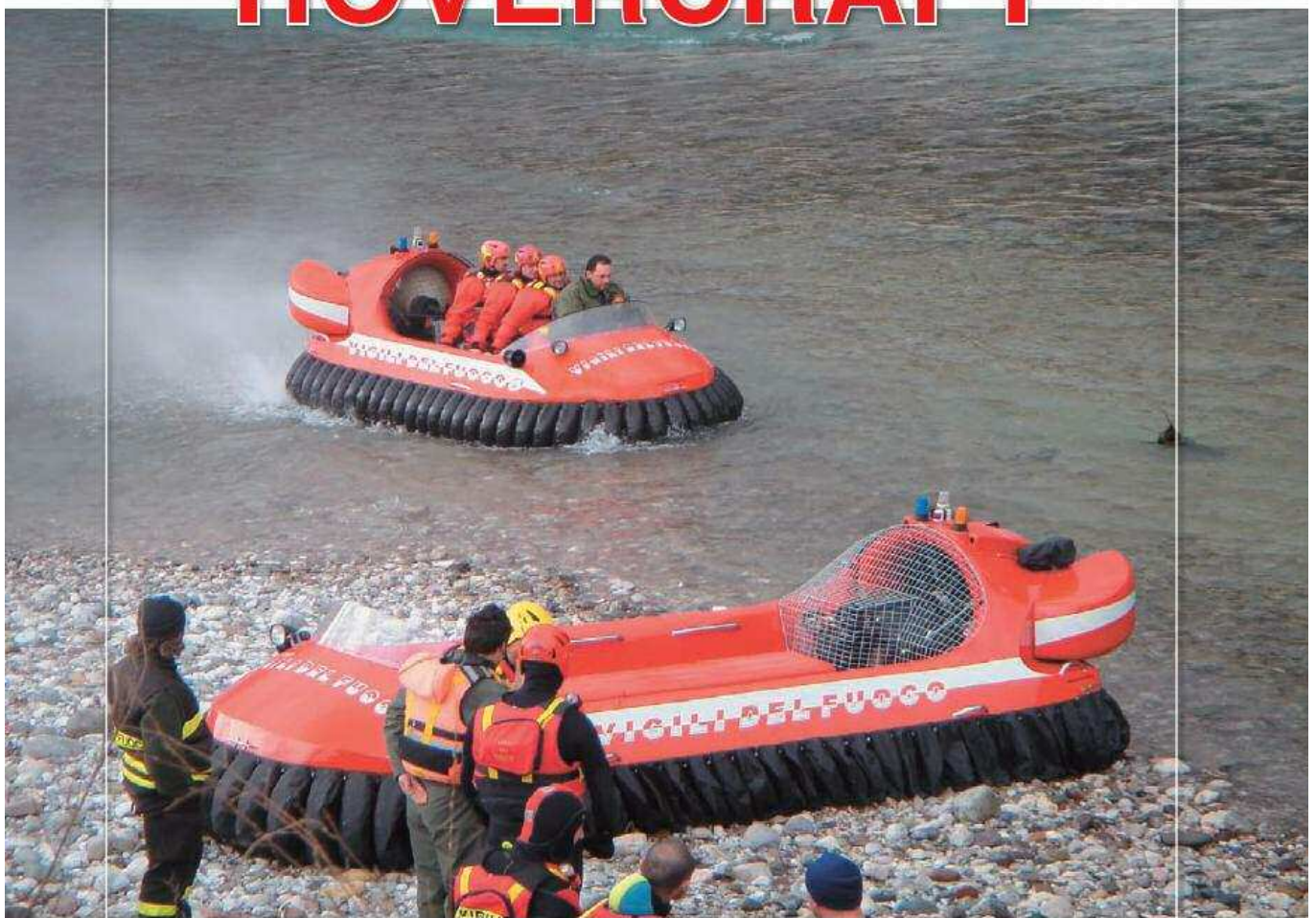
Aero Sekur, the specialist manufacturer of safety systems and advanced flexible structures to the defence and aerospace industry, will exhibit its ground defence product range. The company will showcase pioneering Future Soldier solutions including NBC suits, sniper ponchos and combat clothing. The company's expertise includes NBC masks and respirators, NBC & combat suits, sniper suits, camouflage nets and inflatable tents. Completing its range of defence market solutions are fuel tanks, UAV shock attenuation products, NBC collective protection systems, parachutes and helicopter life-raft and flotation devices.



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AIAD-DMA

British-Italian cooperation, smiles all round!

In July 2008, during the Farnborough International Airshow, a Memorandum of Understanding was signed between the Italian Federation for Aerospace, Defence and Security (AIAD) and the Defence Manufacturers Association (DMA).

Both associations agreed that a Memorandum should be put in place in order to address the fact that with the developing globalisation of defence related industry, it is clear that international inter-Association recognition and co-operation will reinforce mutual objectives, foster co-operation, and achieve economies of effort.

The Memorandum is intended to promote co-operation between the AIAD and the DMA in support of mutual objectives. Indeed the signing of the Memorandum, facilitated and witnessed by EM-Defence (EMD), was the beginning of a series of initiatives that have successfully brought together a number of Italian and British companies.

In August 2008 work began on organising a defence industry seminar in Rome. The project, coordinated by EMD, had the backing and support of the British and Italian Ministries of Defence, the British Foreign Office, UK Trade & Investment and some of the major players in the defence industry.

The seminar was held in March 2009 at the prestigious Centro Alti Studi Difesa, the Italian Ministry of Defence's School of Higher Defence Studies, in Rome. The event was extremely well attended and was followed by a series of B2B meetings between AIAD and DMA members.

Speakers at the event included Italy's Undersecretary of Defence, Giuseppe Cossiga, who was able to make a particularly valuable contribution thanks to his deep understanding of both government and the defence industry.

On the evening preceding the event the British Ambassador to Italy, Edward Chaplin, kindly hosted a reception for the British delegation and Italian guests at his private residence in Rome. Also present at the reception were a significant number of the Military Attaches assigned to the foreign embassies in Rome.



The DMA's Director General, Rear Admiral Rees Ward (left), and the AIAD's Secretary General, Carlo Festucci (right), at the moment of signing the Memorandum of Understanding during the 2008 edition of the Farnborough Airshow. Standing behind them are EMD's Mark Lowe (left) and Riccardo Ferretti (right) who signed the Memorandum as witnesses.

Following the seminar AIAD and the DMA began facilitating projects between association members in fields as diverse as equipment supplies, reciprocal representation, and professional training.

Amongst current projects is a visit to the United Kingdom by a delegation of representatives from the Italian aerospace sector. The delegation will meet and tour the premises of a number of British companies and visit important research centres. EMD are assisting AIAD in the organisation of the event.

Since signing the Memorandum in July 2008, AIAD has become a Federation and the DMA has begun the process of merging with the Society of British Aerospace Companies (SBAC). Once the merger has been completed EMD will assist both organisations in the preparation and signing of a new Memorandum.

Given the success of the original Memorandum and the importance of SBAC and the companies the association represents, the future of British-Italian defence industry cooperation looks to be very interesting.



Smiles all round in a photo opportunity following the signing of the Memorandum

CONTACT DETAILS



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Defence Systems & Equipment International 2009

8-11 September 2009 Excel, London

The DSEi is the world's largest fully integrated defence and security exhibition, bringing together senior international trade and military experts from across the entire supply chain in an optimal business environment.

The DSEi's truly comprehensive scale makes attendance a must for everyone in the defence, security and military aerospace community. Visitors come from UK and all over the world to experience first-hand the latest land, air and sea capabilities of more than 1,350 companies from 40 countries. The DSEi 2007 spanned 32,000m² and offered 1352 exhibitors access to over 26,000 visitors. 2009 is set to be even bigger which makes the DSEi one of the most important events on the international defence and security calendar.

Exhibitors

Exhibitors at the DSEi can take advantage of access to:

- *Unbiased top level international delegations*
- *International senior visitors and military influencers*
- *UK ministers and senior staff involved in UK defence procurement*
- *Defence industry primes*
- *International defence press*
- *Pre-qualified defence trade visitors*

With every element of the supply chain represented, from international prime contractors, to second tier suppliers and service providers, DSEi is an excellent place for exhibitors to do business. The DSEi is also an excellent platform for face to face opportunities to share ideas, discuss industry developments, conduct business and network for future growth.

Visitors

The DSEi provides a unique platform to view the latest systems and equipment from the world's defence and security industry and is a chance for companies of all sizes to develop international relationships and generate new business opportunities. DSEi should be registered as a "must attend" event on the international defence calendar for all those involved in the industry.

Visitors will be able to:

- *Visit the largest fully integrated defence exhibition*
- *View the full capability of the international defence and security industry at a single exhibition*
- *Meet and do business in a world-class environment*
- *See first hand the latest land, air, sea and security capabilities*
- *Network with every element of the defence supply chain*
- *Access naval ships berthed alongside the exhibition halls*

DSEi Opening Times

Tuesday 8th September	09:30 - 17:00
Wednesday 9th September	09:30 - 17:00
Thursday 10th September	09:30 - 17:00
Friday 11th September	09:30 - 16:00

<http://www.dsei.co.uk>



Visitors to the DSEi 2007



Defence Systems & Equipment International 2009

Innovation Showcase

The Innovation Showcase provides an opportunity for any exhibiting company to present new products, demonstrate new technology and brief DSEi 2009 visitors on the latest industry developments.

Tuesday 8th September

- 10:00 - 11:15 ITT Defense International
ITT Leadership: On the Battlefield and Under Sea
- 11:30 - 12:00 Wireless CCTV
WCCTV 3G Nano for Close Quarter Surveillance
- 13:45 - 14:15 Persides Ltd
Soldier-centric Technology
- 14:30 - 15:00 Systematic Software Engineering Ltd
Instant Situational Awareness in your Web Browser
- 15:15 - 15:45 Aero Sekur
Combat Clothing Initiatives for the Future Soldier
- 16:00 - 16:30 QinetiQ
Decision Making With Confidence Pt 1: Cost Modelling Through Life

Wednesday 9th September

- 10:00 - 10:30 FLIR Systems
EOIR Surveillance and Targeting in the All Digital and High Definition Domains
- 10:45 - 11:15 Molecular Products
Breathable Atmospheres in AIP and Nuclear Powered Submarines
- 11:30 - 12:00 Fabbrica D'Armi Pietro Beretta SpA
Beretta Defence Groups ability to provide solutions to MOD/DOD requirements worldwide
- 13:00 - 13:30 Microflown Technologies
Acoustic Vectorsensors Increasing Situational Awareness
- 13:45 - 14:15 Converse Technology
Handheld Video Image Enhancement: A miniature, multifunction, image processing platform
- 14:30 - 15:00 SEA (Group) Ltd
A programmable networked crypto solution for military applications
- 15:15 - 15:45 Hypertac
Next Generation Interconnect Solutions
- 16:00 - 16:30 Jara Management
A fresh look at evaluating business improvement initiatives and increasing rates of success

Innovation Showcase is sponsored by





Defence Systems & Equipment International 2009

Innovation Showcase

Thursday 10th September

- 10:00 - 10:30 Cymat Technologies
Aluminium Foam: Its role in increasing Survivability
- 10:45 - 11:15 Ultra Electronics
Acoustic Hailing and Long Range Communications - Hyperspikes
- 11:30 - 12:00 Hamilton Hall Consultants
Tracking 'Black Holes' in Availability Support
- 13:00 - 13:30 Carmenta
Advanced geospatial functionality in C4ISR systems - Challenges and solutions for using GIS in military decision making
- 13:45 - 14:15 Anritsu EMEA
Rainbow- Handheld Network Analysers. Fixing problems in Hostile Environments
- 14:30 - 15:00 Scotty Group Plc
Aerial Coastal Surveillance - the DA 42 MPP SATCOM success story - High Tech for low budget
- 15:15 - 15:45 Zettlex Printed Technologies
New Position Sensing Technology for Harsh Environments
- 16:00 - 16:30 QinetiQ
Decision Making With Confidence Pt 2: An Enterprise Approach to Programme and Risk management

Friday 11th September

- 10:00 - 10:30 Hypertac
Next Generation Interconnect Solutions
- 10:45 - 11:15 Zettlex Printed Technologies
New Position Sensing Technology for Harsh Environments
- 11:30 - 12:00 Hamilton Hall Consultants
Tracking 'Black Holes' in Availability Support
- 13:00 - 13:30 Anritsu EMEA
Rainbow- Handheld Network Analysers. Fixing problems in Hostile Environments
- 13:45 - 14:15 Persides Ltd
Soldier-centric Technology
- 14:30 - 15:00 Aero Sekur
Combat Clothing Initiatives for the Future Soldier

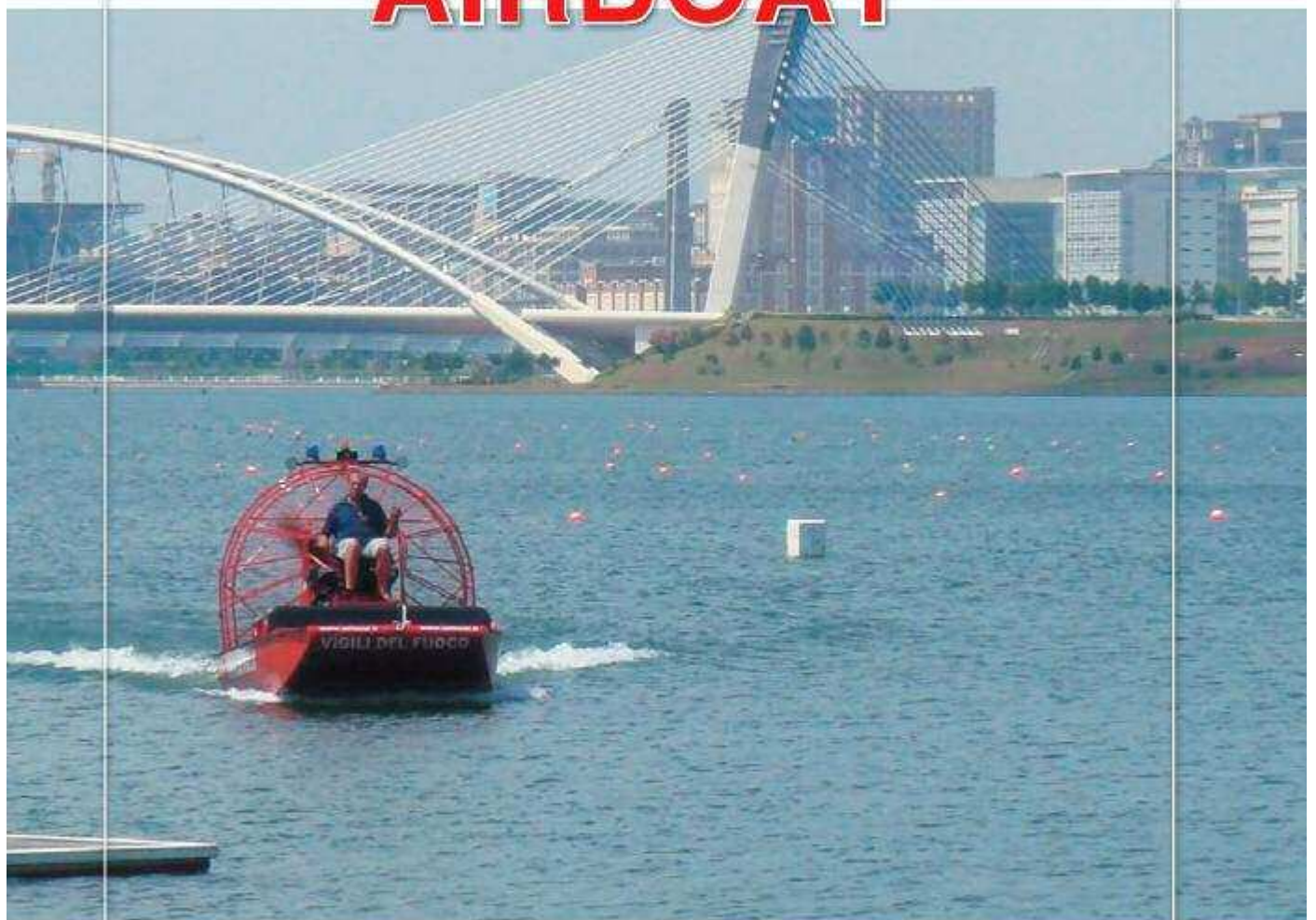
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INDUSTRY NEWS

Piaggio Aereo

P180 Avanti II on demonstration tour in Australia



P180 Avanti II, the world's most advanced turboprop aircraft, will depart on a demonstration tour that will parade its outstanding capabilities before potential customers in Australia. The aircraft will also be showcased in the Piaggio Aero

static display at the Asian Aerospace 2009 air show at the Asia World Expo in Hong Kong from September 8th-10th 2009.

The demonstration tour is expected to cover the East Coast of Australia and it will arrive on the following dates to the following airports:

- Wednesday 16th - Brisbane (intl)
- Thursday 17th - Sydney (Bankstown Airport)
- Saturday 19th - Melbourne (Essendon Airport)

The Avanti II's unrivalled efficiency adds up fast. 33% lower operating costs. 30% less fuel use than most business jets. 25% less fuel use than even the most efficient twin turboprops. Up to 40% fewer carbon emissions. The key is supreme drag reduction: reverse riveting, rear-facing propellers, three lifting surfaces, a sleek fuselage and supreme laminar flow. It's the only aircraft where maximum performance creates maximum savings.

When you can surpass 400 KTAS, there's no need to look at a much more costly jet. Muscular Pratt & Whitney PT6A-66B 850 hp engines power forward the Piaggio Aero Avanti II's sleek airfoil profile while the cutting-edge Collins Pro-line 21 Avionics provide unrivalled situational awareness. Avanti II offers its passengers an amazingly spacious interior; our stand-up cabin is a full foot taller and wider than the competitions'. With 9.0 psi pressurization and an interference level as low as 68 dbA speech, passengers enjoy a serene environment perfect for in-air business or relaxation.

EM-Defence

Travel Risk Management

EM-Defence, in partnership with Ultrax Consulting, have developed a Travel Risk Management course designed specifically for defence industry executives. The course has been designed for those individuals who, while travelling, are exposed to a series of risks that they may know little about or, worse still, are completely unaware of.

The aim of the course is to foster an awareness of security concerns. Exposure to risk and crisis situations will always be an element of foreign travel, however, a firm understanding of best practices is a way to eliminate many hazards. Many risk scenarios are predictable and can therefore be avoided through preparation.

Contact Mark Lowe: m.lowe@em-defence.com

AgustaWestland

Korea National Police Agency Order An AW119Ke

AgustaWestland and UI International (UII) are pleased to announce they have been awarded a contract by the Korean Public Procurement Services to supply the Korea National Police Agency (KNPA) with one AW119Ke law enforcement helicopter as part of an on-going programme to modernise the Police helicopter fleet. This is the first AW119Ke to be purchased by the Korean Government and the third law enforcement helicopter sold into the Korean market. It will join two KNPA AW109 helicopters that have been in service for a number of years. The AW119 Koala enhanced is a spacious 8 seat single engine helicopter developed to enhance safety and provide high productivity and performance at a competitive price. The large unobstructed cabin permits rapid re-configuration for a variety of missions such as utility, passenger transport, emergency medical services and the very popular law enforcement role. The high power margins deliver outstanding performance that makes the AW119Ke the most cost effective helicopter in its class.



AgustaWestland and United Industries International believe that this latest addition to the KNPA fleet of law enforcement helicopters will represent a step up in capability for the Korean Law Enforcement service in the country. To support the role the helicopter will be equipped with a powerful search light and cargo hook for utility operations. UI Helicopter (UIH), a subsidiary of the UI Group has established a fully approved AgustaWestland Customer Support Facility in Korea to provide local support to the KNPA.

Earlier this year the first AW139 helicopter was delivered to the Gangwon Fire Fighting Department marking the first delivery into Korea of this popular new generation medium twin engine helicopter. Three more AW139 helicopters are scheduled to be delivered into Korea before the end of this year and AgustaWestland has high hopes that the Korean market will provide an excellent opportunity for the AW139 and other AgustaWestland products.

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INDUSTRY NEWS

AgustaWestland

Italian Navy Takes Delivery Of Its 21st AW101 Helicopter

AgustaWestland, a Finmeccanica company, is pleased to announce that the Italian Navy has taken today delivery of its 21st AW101 three engine medium/heavy helicopter during an official ceremony held at Maristaeli Luni naval base in Italy. This Anti-Submarine Warfare (ASW)/Anti-Surface Warfare (ASuW) configured aircraft is the first unit of the last AW101 batch for the service which has committed to a total of 24 AW101s.

The Italian Navy is already operating 8 ASW/ASuW, 4 HEW (helicopter early warning) and 8 amphibious support helicopters. The Italian Navy's AW101s ASW and HEW variants are amongst the most advanced naval helicopters in service today and have been successfully deployed on overseas operations providing a major contribution to international maritime operations. The long range and endurance of the AW101 combined with the capabilities of its sensors and on-board processors make it a highly effective naval helicopter.

Recently the Italian Navy supported the G8 Forum in Italy using the AW101 to perform transport for heads of state and government officials. The AW101 was chosen due to its safety, cabin space and comfort. The maritime variant of the AW101 is in service with the Italian Navy and the UK's Royal Navy having replaced the Sea King helicopter in a number of ship and shore based roles. Also the Japanese Maritime Self Defence Force (JMSDF) has chosen the AW101 for Airborne Mine Countermeasures and Antarctic Survey operations designated the MCH101 and the CH101 respectively. Over 170 AW101 helicopters have been ordered so far by customers worldwide to perform a number of roles.

Finmeccanica

Finmeccanica wins contract worth a total of around 45 million euro for naval systems in the United Arab Emirates

Finmeccanica, through its companies SELEX Sistemi Integrati, OTO Melara and WASS, has been selected by the United Arab Emirates Navy to supply it with naval and underwater systems for a new Abu Dhabi class ship. The platform for the ship will be built by Fincantieri. The total value of the contract is around 45 million euro.

SELEX Sistemi Integrati will provide an IPN-S command and control system, an NA 30S firing control system, a KRONOS 3D radar system, a SIR-M secondary radar and a Medusa MK4B electro-optical system, with a total value of 15 million euro. The company will also be responsible for the functional integration of the combat system.

A key element of the contract is the KRONOS multi-role solid-state 3D radar, designed and developed completely by SELEX Sistemi Integrati based on its experience with EMPAR, the naval radar systems used by the Italian Navy and other foreign clients. The decision by the United Arab Emirates to pick KRONOS represents a great international sales success for this type of radar, which has many competitive advantages over its rivals in the same class.

OTO Melara will supply two 30-mm Marlin Weapons Stations, worth 2 million euro, and a Stealth version of the Super Rapid 76/62 naval gun.

As the prime contractor, WASS, in partnership with Thales Underwater Systems, will build an ASW (Anti-Submarine-Warfare) system worth around 27 million euro.

SELEX Sistemi Integrati is also present in the United Arab Emirates via the joint venture ADSI (Abu Dhabi Systems Integration), which was set up in 2005 in partnership with the local company ADSB (Abu Dhabi Ship Building) and operates in the fields of defence and homeland security.

SELEX Sistemi Integrati is working on the integration of the combat system for Ghannatha class ships and is also manufacturing the combat system for six Baynunah class corvettes for the United Arab Emirates Navy.

Avio

www.elv.it, is born. The site that unveils the Vega launcher

Vega – the European launcher designed and developed by an Italian-run company – unveils its secrets on the Web. From 4 September, www.elv.it will be on-line – the ELV Website, the Italian company (70% Avio, 30% ASI) that is Prime Contractor for the entire programme – where the technical characteristics of the launcher can be seen and studied.

www.elv.it is a window from which the launcher can be viewed at close-range, constructed at Avio's industrial facility in Colleferro (Rome), and brought by the ASI within the ambit of the European Space Agency that, in turn, has integrated it among the large European space projects. Twelve countries are participating in the Vega programme and over forty industries, in which Italy expresses its excellent skills and expertise that are highly acknowledged on the international scene.

www.elv.it is an easy Website to navigate, with synthetic contents, both popular and technical at the same time, which explain the configuration of the launcher, the new technologies used as well as the possible missions. The site will be updated in real time as regards the progress of the programme, which foresees a series of important tests in the coming months in preparation for the first launch, expected at year-end 2010. ELV technicians will supervise the site with the support of Avio and the Italian Space Agency.

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Italian exhibitors at the Defence Systems & Equipment International 2009

Between 8-11 September 2009 the ExCel London will host the world's largest fully integrated defence and security exhibition, the DSEi 2009.

Visitors from all over the world will have the opportunity to examine the latest land, air and sea capabilities of more than 1,350 companies from 40 countries. The Italian presence is a significant one with over 20 companies exhibiting, as well as the presence of the Italian Federation for Aerospace, Defence and Security (AIAD) and the Italian Ministry of Defence.

Amongst the Italian companies exhibiting at the DSEi 2009 are:

- **Aero Sekur**
- **AgustaWestland**
- **AMA**
- **ARS Optical**
- **Beretta**
- **Celin Avio**
- **Cristanini**
- **Elettronica**
- **Elsag Datamat**
- **Eurovinil**
- **Explorer Cases by GT Line**
- **Finmeccanica**
- **Fox Knives - Oreste Frati**
- **HI TECH International**
- **Iveco**
- **MBDA**
- **Northrop Grumman Italia**
- **OMP Engineering**
- **Oto Melara**
- **Selex Communications**
- **Selex Galileo**
- **Selex Sistemi Integrati**
- **Simmel Difesa S.p.A.**

Of particular interest

Aero Sekur

Aero Sekur, specialists in safety systems and flexible structures, will exhibit a new generation of NBC and combat clothing. Advanced materials combined with innovative construction and design techniques have resulted in defence apparel that offers significant weight and performance benefits compared to existing equipment. Aero Sekur is part of the "Soldato Futuro" programme, the industrial collaboration working to produce the Italian Future Soldier. **(Stand: 2264)**

ARS Optical

ARS Optical will be presenting its new collection of tactical eyewear, ballistic goggles, safety eyewear and safety helmets. The company has signed an agreement with CARL Zeiss Vision Sunlens, a worldwide leader in developing eyeglass lens designs, coatings and materials. **(Stand: 283 - Italian Pavilion)**

Iveco Defence Vehicles

Iveco Defence Vehicles has built on the commercial and operational success of its Light Multirole Vehicle (LMV) to develop a CASEVAC variant. In this new configuration, the LMV allows the installation of a variety of lifesaving apparatus as well as providing sufficient space for paramedic personnel to work comfortably on the one stretcher case and two seated casualties which can be transported on board. **(Stand: 1805)**



AIAD will be present alongside the Italian Ministry of Defence at the Italian Pavilion (stand 283). AIAD – Italian Industries Federation for Aerospace, Defence and Security – is the national industrial organisation representing high technology companies involved in the design, construction, overhaul and repair of platform, electronics, naval and ground systems and equipment for institutional or similar customers.



Italian exhibitors at the Defence Systems & Equipment International 2009

Aero Sekur

Aero Sekur, the specialist manufacturer of safety systems and advanced flexible structures to the defence and aerospace industry, will exhibit its ground defence product range. The company will showcase pioneering Future Soldier solutions including NBC suits, sniper ponchos and combat clothing. The company's expertise includes NBC masks and respirators, NBC & combat suits, sniper suits, camouflage nets and inflatable tents. Completing its range of defence market solutions are fuel tanks, UAV shock attenuation products, NBC collective protection systems, parachutes and helicopter life-raft and flotation devices.

Stand: 2264
Web: <http://www.aerosekur.com/>

AMA

AMA is an Italian company specialising in the design and manufacturing of fuel and water handling systems. AMA offers bulk fuel and water installations for rapid deployment, permanent and semi-permanent solutions, suitable for storage and distribution operations for diesel - petrol - jet fuel - water in demanding environments. Flexible and containerized storage solutions are available. AMA provides technical, logistic and operational support for: Site assessment and feasibility studies, Design installation and site commissioning, On-site staff training, Spares, Equipment maintenance and repair, Supervision of site de-commissioning. AMA's equipment and services are currently supplied to numerous peacekeeping and military missions worldwide.

Stand: 479 (Italian Pavilion)
Web: www.amaspa.com

Beretta

Beretta is the oldest firearms manufacturer in the world, dating back to 1526. In the Defence and Law Enforcement markets Beretta delivers comprehensive and effective solutions able to meet the stringent requirement of today's Armed and Police Forces worldwide. The catalogue of products ranges from tactical shotgun and assault rifles, to extremely accurate snipers, passing through semiautomatic pistols, sub-machine guns, Grenade launchers, optics and accessories. Beretta is today the largest Group in the world for small arms and related accessories: pistols, carbines, assault rifles, shotguns, snipers, optics and accessories

Stand: 279 (Italian Pavilion)
Web: www.berettadefence.com

AgustaWestland

AgustaWestland, a Finmeccanica Company, is a technology leader in its markets and has an unrivalled range of rotorcraft products designed to satisfy the requirements of customers. The Company's products range from the 2.8-ton single-engine AW119 Ke to the 16-ton three-engine AW101 helicopter. AgustaWestland places great emphasis on customer satisfaction, providing leading support and training solutions to its growing customer base. AgustaWestland has its main operations in Italy, the UK and the USA.

Stand: 565
Web: www.agustawestland.com

ARS Optical

ARS OPTICAL was born as sports glasses and ski goggles producer. After many years of experience, ARS understood that the technology and the know how conquered, could be used for the safety field and consequently to the military one. ARSENIK® Tactical eyes collection (tactical goggles, ballistic eyewear, tactical helmet) is studied combining rich tradition with the most advanced R&D carefully developed to provide complete protection for the eyes of users. ARSENIK® product express perfectly the Italian Design within the best protection. All styles meet and exceed military standards. ARSENIK® Tactical eyes built to exceed your needs.

Stand: 283 (Italian Pavilion)
Web: www.ars.it

Celin Avio

Celin Avio S.r.l. was legally established in 1996 and was founded to coordinate and integrate expertise from academia and industry. Its main field of activity is Research & Development in Defence oriented high technology areas. The Company studies and develops small UVs (Unmanned Vehicles) and executes Test & Evaluation activities on a group of research vehicles, which originated operational systems. Celin Avio is part of the Elettronica Melara group, a private company with 140 employees and an annual turnover of about 35 million Euros. The Group has one head office and three productive facilities in Liguria and Tuscany.

Stand: 282 (Italian Pavilion)
Web: www.celinavio.it



Italian exhibitors at the Defence Systems & Equipment International 2009

Cristanini

CRISTANINI S.p.A, manufacturer of CBRN detoxification/decontamination systems, machines and products for civil, industrial and military use. NATO Constructor since 1987 - Product Quality Certification AQAP 2110 - ISO 9001:2000. Established in 1972, CRISTANINI has since acquired a worldwide reputation and distribution for providing medium and large capacity detox/decon systems and mobile field stations for continuous and simultaneous detoxification/decontamination of personnel, materials, personal equipment, vehicles and terrain. CRISTANINI systems are based on the concept "ONLY ONE MACHINE - ONLY ONE PRODUCT" that is: SANIJET C. 921 + BX 24 detox/decon product + SANIJETGUN lance, this has radically changed the philosophy of decontamination.

Stand: 275 (Italian Pavilion)
Web: www.cristanini.it

Elsag Datamat

Elsag Datamat is the centre of excellence in the design and production of systems, services and solutions for automation, security, transport, defence & space, and information technology. Building on the integration of Elsag and Datamat in 2007, Elsag Datamat is a company in Finmeccanica group, one of the world's leading industrial players. Elsag Datamat designs and develops high technology products, systems and solutions that stand out for performance and reliability. The professional skills of 3,800 employees, technology, the capacity to operate in critical contexts, and a constant investment in research and development, are just some of its distinctive features.

Stand: 565
Web: www.elsagdatamat.com

Explorer Cases by GT Line

Explorer Cases are a range of thick plastic resin waterproof cases providing a solution for any equipment requiring a high level of protection. Applications range from Military and Aerospace to Computer and Equipment cases, while their dust and waterproof qualities offer absolute protection making them ideal for use in the harshest environment. IP67 Dustproof. Waterproof - Defence Standard 81-41 Level J, and STANAG 4280 Certifications. MADE IN ITALY

Stand: 478 (Italian Pavilion)
Web: www.explorercases.com

Elettronica

ELETTRONICA, since 1951, is specialised in the design, development and manufacture of Electronic Warfare: RWR, ESM, ECM and ELINT equipment for naval, airborne and ground applications. ELETTRONICA produces the first airborne fully solid-state ECM system, for the Eurofighter Typhoon, and the first naval fully solid-state system for the Horizon Frigates and the Multi-Mission Frigates for French and Italian Navy. Successful international collaborations with platform manufacturers and other electronic industries have led to the definition and implementation of important systems such as the E.W. suites for the Horizon Frigates, the Multi-Mission Frigates, NH-90, EH-101, Eurofighter Typhoon, Tornado IDS/ECR, Mirage 2000, AMX.

Stand: 476 (Italian Pavilion)
Web: www.elt-roma.com

Eurovinil

Eurovinil manufactures and supplies a wide range of products and services to the marine and defence industries. Core products include liferafts, special boats and ultra-light liferafts, as well as inflatable tents and structures, suitable for a variety of applications such as field hospitals, troop lodgings, warehousing and maintenance hangars. The Eurovinil team works in partnership with all customers to ensure innovative, premium quality products at affordable prices.

Stand: 679 (UK Group)
Web: www.eurovinil.it

Finmeccanica

Finmeccanica offers comprehensive integrated and networked solutions in security and resilience for air, sea or land in all sectors such as ports, airports, railway and border protection. In the military domain, Finmeccanica's group provides bespoke solutions to new complex Battlespace requirements presented by modern operations. Finmeccanica works closely with its customers to develop innovative, reliable and cost effective solutions across all of the sectors in which it operates. With 73.000 employees, operations in Italy, the UK and the USA and deployed solutions across the globe, Finmeccanica is able to support the evolving needs of its clients worldwide.

Stand: 565
Web: www.finmeccanica.it



Italian exhibitors at the Defence Systems & Equipment International 2009

Fox Knives - Oreste Frati

FKMD (Fox Knives Military Division) brand, a Fox Knives division that is mainly focused on military markets. The target of this special branch is to develop and to realize products following the specifications of the different Army, Special Forces, Police, Fire Fighters, Navy, Air units and all who need their own knife or tool that can help them in their very important missions. Fox Knives company is ISO 9001:2008 certificated and recognized by NATO as an official supplier N/CAGE CODE: AG180

Stand: 281 (Italian Pavilion)
Web: www.fkmdknives.com

Iveco Defence Vehicles

Iveco Defence Vehicles has established an outstanding reputation for the practical application of innovative automotive and protection solutions, drawing on the company's underpinning expertise in the commercial vehicle sector. The result is a full range of logistic, multirole and armoured vehicles which enable the military user to meet the most exacting of operational demands. Headquartered in Northern Italy, Iveco DV benefits from Iveco's global network which enables it to support more than 30,000 IVECO vehicles in military service worldwide. Among these, the LMV has become the light protected vehicle of choice in Europe, with sales to nine countries to date.

Stand: 1805
Web: www.iveco.com

Northrop Grumman Italia

Northrop Grumman's Italy-based subsidiary Northrop Grumman Italia provides a range of integrated navigation systems for land, sea and air platforms and serves as the prime contractor for a number of Italian and European collaborative programmes. Its products include airborne, ground and marine inertial navigation systems; airborne attitude and heading reference systems; inertial measurement systems; inertial systems integrated with other sensors; terrain & obstacle proximity systems; inertial navigation systems for unmanned aerial vehicles; and artillery fire control systems. Northrop Grumman Corporation is a leading global security company whose 120,000 employees provide systems, products, and solutions in aerospace, electronics, information systems and shipbuilding.

Stand: 377 (Italian Pavilion)
Web: www.northropgrumman.it

Hi Tech International

Hi Tech International provides advanced technological solutions to meet and regularly exceed the needs of the most demanding customers. Agencies including Civil Protection, Fire Fighters, Police departments and the military Armed Forces, require the highest standards of design, resilience and durability, and of course value for money. Hi Tech International satisfies this demand worldwide. Hi Tech International headquarter is located in Gorgonzola, Milan, Italy. The Company manufactures rescue and patrol vehicles for a rapid response to emergencies.

Stand: 277 (Italian Pavilion)
Web: www.wateroperations.eu

MBDA

MBDA is a world leading, global missile systems company, with more than 90 customers world-wide across all three Armed Services. The company is at the forefront of international collaboration delivering programmes such as PAAMS, Storm Shadow and Meteor. Central to MBDA's business approach is Partnering, from early concept stages, on to development and innovative through-life support of weapon systems. MBDA's technological expertise extends to cover the national security and resilience sector as well as developing network-enabled systems for the future digital battlespace.

Stand: 367
Web: www.mbda-systems.com

OMP Engineering

OMP Engineering is an Italian supplier of Life Support Systems since 1959. OMP provides self-contained, integrated and mobile Life Support Systems for use on the field by armed forces, civil defence, civil engineering and construction companies. OMP is structured in operational divisions, each being focused on a specific range of products as follow: 1) Water Systems 2) Healthcare 3) Field Structures & Facilities 4) System For Weapons 5) Training OMP's products are designed and built around four key principles: - Rapid deployment - Rapid employment - High reliability - Ease maintenance OMP delivers high value performance wherever & whenever.

Stand: 375 (Italian Pavilion)
Web: www.omp-italia.com



Italian exhibitors at the Defence Systems & Equipment International 2009

Oto Melara

Oto Melara, whose products are operating in more than 60 countries around the world, belongs to the Finmeccanica group. It operates at two plants, located in La Spezia and Brescia and is, presently, world leader in the design and production of small and medium calibre naval guns with research and development capabilities ranging from naval guns to ammunition, from artillery guns and armoured vehicles to anti-aircraft systems. The merging with Breda Meccanica Bresciana contributed significantly to an increase in the respective systems capabilities that, together with the most modern technological expertise, allow Oto Melara to offer to customers a global solution.

Stand: 565

Web: www.otomelara.it

Selex Sistemi Integrati

SELEX Sistemi Integrati, a Finmeccanica Company, designs and develops Large Systems for Homeland Protection, systems and radars for air defence, battlefield management, naval warfare, coastal and maritime surveillance, air traffic control and turn-key airport solutions, customer support. The company has also a strong presence in Germany, SELEX Sistemi Integrati GmbH - weather radar systems, in the USA, SELEX Sistemi Integrati Inc - navigation aids, in the United Kingdom, SELEX Systems Integration Ltd and VEGA Consulting Services Ltd, active in the supply of consulting within the Defence Electronics and Security sectors. Other plants are in France, Spain, Netherlands

Stand: 565

Web: www.selex-si.com

Selex Communications

SELEX Communications, a Finmeccanica Company, is a global supplier of advanced communications, navigation and identification solutions to protect communities and critical national infrastructure. A leader in the delivery of network centric communications, SELEX Communications supplies secure, integrated and interoperable networked solutions for governmental, civil and military applications. With over 100 years of experience and driven by a relentless quest for innovation, the company develops state-of-the-art communications solutions that meet customer requirements and exceed their expectations. Headquartered in Italy and with worldwide operations, SELEX Communications employs about 5,000 people.

Stand: 565

Web: www.selex-comms.com

Simmel Difesa

Simmel Difesa today is the only Italian producer of ammunitions and fuses for medium and large calibre. It has a work force of 200 employees, a yearly turnover of 80 millions Euro and a production rate of 300.000 rounds per year. It is a reliable partner of the Italian and worldwide Armed Forces. Important facilities are available in Simmel for explosive loading, propelling powder manufacture, integration lines for ammunitions and rockets, assembly and testing of mechanical and electronic fuses.

Stand: 364

Web: www.simmeldifesa.com