



## **DSEi 2011 - DEFENCE ATTACHÉ & VIP BRIEFING DOCUMENT**

## Welcome

This guide contains information on key features, exhibits, events and product demonstrations taking place.

With 1,300 exhibitors at the show, it does not claim to be an exhaustive list of everything at the event. If you need further information on DSEi please contact Steve Baker, Christina Esson or Jayne Thompson whose details are listed at the back.

Both SMEs and primes are well represented at the show. The SMEs are clustered together in zones based on capability. The show also contains a number of new feature areas and more country pavilions than ever before, with around 30 leading manufacturing nations represented:

Austria	France	Nordic	Sweden
Australia	Germany	Norway	Switzerland
Bulgaria	Holland	Pakistan	Turkey
Brazil	Hungary	Poland	Ukraine
Canada	India	Portugal	United Kingdom
Czech Republic	Israel	Russia	USA
Denmark	Italy	Slovenia	
Finland	Jordan	South Africa	

Institutions such as the NATO Maintenance and Supply Agency (NAMSA), the US Department of Homeland Security and the UK Ministry of Defence (MOD) will also have a strong presence at the event. The importance of DSEi to nations around the world is evidenced by the number of countries that have been invited by the British Government to attend this year's event; 125 individual invitations have been extended to 61 countries so far. The Official Overseas Delegation programme is organised in conjunction with the British Government's UK Trade & Investment Defence & Security Organisation. There will also be the highest level of representation from UK Government at DSEi 2011 (details on Page 17). In addition to the UK Government's Official Overseas Delegations, we are expecting over 500 senior UK and Overseas military and government representatives to attend DSEi this year as VIP guests of the Organisers.

We have gone out to all of our DSEi exhibitors asking them to request stand visits or meetings with our overseas and UK military and Government VIPs. We will pass any specific requests to you for consideration. We will also provide you with login and password details to allow you to access the DSEi Visitor Network (VNET) where you will have access to the DSEi floorplan, full list of exhibitors and their products and services. You will be able to filter the exhibitor list to show just those of interest to you and you can then bring up a diary and invite Industry to a meeting. Your diary meeting requests will be passed to the Exhibitor for acceptance through VNET in the usual electronic diary-management way. Exhibitors are unable to invite you to a meeting through VNET, but may have already approached you direct.

It would be greatly appreciated if you could find the time to meet any special requests for you to visit exhibitor stands and international pavilions during your visit if your schedule permits; programming of meetings ahead of DSEi will ensure that the most appropriate person is available to meet with you.

## CONTENTS

Capability – Land	page 3
Capability – Naval	page 4-5
Capability – Air	page 6
Capability – Security	page 7
Other Show Features	page 8-9
Key Products on Display	page 10-11
Seminar and Key Events	page 12-15
Floorplan	page 16
Useful Information	page 17

## CAPABILITY - LAND



(Image: Force Protection's Foxhound)

### **Feature: Vehicle Display Area**

Location: South Hall, Entrance S3

An area featuring 20 vehicles on display from a variety of exhibitors.

### Highlights include:

- A Husky protected logistics vehicle fitted with **Chemring's** Ground Penetrating Radar (GPR) and its Resolve communications EW system, both of which play a significant role in reducing the IED threat.
- **Pearson Engineering** present mine clearance ploughs showcasing their route clearance capabilities.
- **Faun Trackway's** medium-weight portable roadway system. Named MGMS, the roadway is ideal for tackling adverse terrain conditions, including snow, marsh, mud and sand in a variety of climates.
- **Iveco** vehicle fitted with a WEW tank, showing the versatility of the solution and how the module can be changed to meet the operational need.
- **Lockheed Martin's** Warrior will be on show. Demonstrating the way ahead for the Warrior Armoured Fighting Vehicle, this upgraded vehicle delivers enhanced fighting capability, increased mobility, soldier survivability and firepower, along with an open Electronic Architecture.

### Also on display will be:

- MBDA: the Future Local Area Defence System (FLAADS);
- BAE Systems RG35 mine protected 4 x 4 vehicle;
- Iveco's Light Multirole Vehicle.

### Other land systems displays:

Land systems are also present across the show. In the Robotics & Unmanned Systems Showcase there will be a twice daily demonstration of how a variety of UVs, both air and ground, can play their part in asymmetric warfare. Among the companies involved will be **Allan Vanguard, BCB, iRobot, Marshall Land Systems, Northrop Grumman Remotec, QinetiQ, Recon Robotics and Selex Galileo.**

### **Feature: The UK Capability Showcase**

Location: North Hall, Entrance N10

## CAPABILITY - NAVAL



(Image: K130 Class Corvette)

**Feature: Visiting Warships**  
Location Royal Victoria Dock

Visiting Warships include (subject to operational commitments):

- **HMS DAUNTLESS** Type 45, from the British Royal Navy. Dock Edge Door 1/2. (RN Type 45 destroyer). She will be berthed in the King George Dock, which will be an 8-10 minute boat ride from ExCeL. She will be available for delegations from 0915 daily. You should plan on one hour and ten minutes for a full VVIP visit (from leaving the ExCeL jetty, to return to jetty), conducted by the CO or the XO. A special VVIP small private fast boat will be available for the delegations which will run from a ferry pontoon adjacent to Dock Edge Door 7. It may be possible to arrange shorter visits just to cover the main air defence system on board. The system is flexible, but the CO has asked for no more than 2 separate delegation/VVIP visits each morning/ afternoon. It is a special coup to have the ship at the exhibition, and those planning delegations will be able to encourage their parties to visit the ship. In addition to the VVIP boat, there will be an hourly ferry boat, which will take around 12 minutes - this departs the ferry pontoon at 40 minutes past every hour. As she is equipped with the world's newest and most effective air defence system, which even the USA have acknowledged, she should be a great attraction to delegations, especially naval and air force.

These ships are as versatile as they are powerful. Providing flexible global reach, they deliver broad utility, common to maritime forces, and give the UK military diplomatic and political options, with their ability to exert effect on land from the sea, ranging from deterrence and conflict prevention right up to high intensity war fighting and all points between. The HMS DAUNTLESS's war-fighting capability includes the ability to engage hostile forces using the Sea Viper missile system, her gun or other onboard weapon systems. Can also deploy up to 60 Royal Marines Commandos and their equipment and operate a range of helicopters from her flight deck.

- **HMS TYNE**, RN River Class Offshore Patrol Vessel. Dock Edge Door 1/2. On board will be a number of maritime security exhibits in addition to a general look around the ship.
- **FGS BRAUNSCHWEIG** - ( K130 Class German corvette.) Dock Edge Door 4/5. A brand new corvette of approx 1800 tons full load, recently commissioned, and built by Blohm and Voss. Fitted with RAM air defence missiles, SAAB RBS 15 SSM, Otobreda 76mm gun, MTU diesel engines giving a speed of around 27 knots, and with a crew of 50. She is a completely new design of vessel for general maritime security and protection tasks.
- **HMNS SNELLIUS** The Dutch survey ship, , (Netherlands hydrographic survey vessel) Dock Edge Door 6/7. Commissioned in 2003, she is designed for military and civil hydrographic survey, with a displacement of 1800 tons and crew of up to 20. Fitted with a range of high definition sonars and with diesel electric propulsion.
- **HNoMS STORM (tbc)** (Norwegian guided missile patrol boat/corvette) Dock Edge Door 3/4. Very recently commissioned, Storm is the second of the Skjold Class revolutionary stealth vessels

designed for littoral patrol and security. She powered by Rolls Royce turbines feeding into water jets, with a speed of over 60 knots. An exciting new development in warship design.

**Feature: Waterborne demonstrations**

Location: Grandstand on the jetty, Victoria Dock

Timings: Twice Daily, 10:45 and 14:45

The demonstration will consist of a number of high performance craft undertaking short capability demonstrations and then followed by a set piece operation involving equipment used for boarding and maritime security operations. The grandstand for viewing the Water Demonstrations, with a VIP enclosure, will be situated about 50 metres to the East of Dock Edge door 7.

These will include performance demonstrations from a number of small special forces craft, and a co-ordinated operation to cover equipment used in maritime security and boarding operations.

This demonstration, called Operation Vision, will feature not only boats, such as the revolutionary advanced rescue craft from Nautilus, but also small unmanned surveillance helicopters with video links to a large screen. Other equipment on display will include command and control systems for seaborne operations and maritime rescue.

Companies taking part include:

**Northrop Grumman**  
**Marlborough Communications**  
**Advanced UAV Technology**  
**SAAB**  
**Ultra Electronics**  
**BCB**

There are also planned live demonstrations of diver detection sonars, and an underwater hull surveillance crawler from **Seabotix**, operating from the warships alongside.

Other highlights from unmanned naval exhibits:

**Thrustmaster**, with its sonar training system.

**Automatic Sea Vision**, which is showing its auto watch-keeping solution.

**Go Science's RHyVAU**, a low energy, unmanned underwater sensor platform.

**Kelvin Hughes** is showing the application of its SharpEye™ radar technology to surveillance and security requirements both at sea and onshore.

## CAPABILITY - AIR



(Image: Dominator from Diamond Airborne Sensing)

### Feature: Robotics & Unmanned Systems Showcase

Location: North Hall, Entrance, N3

A new feature, supported by the Association for Unmanned Vehicle Systems International (AUVSI), UAVS and West Wales UAVC, the Robotics & Unmanned Systems Showcase is a dedicated arena that will be used for demonstrations of Unmanned Ground Vehicles (UGVs) and Unmanned Aerial Vehicles (UAVs) during the show.

#### Highlights include:

- **BAE Systems'** Mantis and **Agusta Westlands'** Wildcat are situated outside of the East Entrance, which is the delegation entrance. Outside of the West Entrance is a full scale mock up of **Lockheed Martin's** Joint Strike Fighter.
- **Insitu** which will be showing the ScanEagle; this can stay on station for more than 24 hours and its systems include over 45,000 hours of combat experience. A ScanEagle was used to assist the US Navy when Captain Phillips of U.S. cargo ship Maersk Alabama was kidnapped and held hostage for ransom by pirates off the coast of Somalia last year.
- The Dominator from **Diamond Airborne Sensing**, based on the fully certified Diamond DA42 commercial aircraft, which has logged more than 360,000 flight hours, will also feature in the area. The Dominator is powered by two AE300 turbo diesel engines, and is fully equipped for flight at all weather conditions. The Dominator UAV has flown over 80,000 hours.

#### Other suppliers participating include:

**DST Control** with its light-weight, high performance gyro-stabilised electro-optical systems with both EO and IR capabilities.

**Robosynthesis**, a UK specialist developer of proprietary extreme-modular robotics systems.

**Velodyne** with its LIDAR sensor.

**Sprung Instant Structures**, who produce deployable UAV hangars.

**Sky-Watch's Huginn X1** which can be used for visual reconnaissance in disaster areas, fence patrol and indoor inspection.

Close by **Magna Parva** will be showing a number of unmanned systems innovations including CEUS, its Centre of Excellence for Unmanned Air, Land, Marine and Space Systems, which delivers holistic cost-effective solutions to complex systems engineering, operational and support problems and includes a Schiebel Camcopter UAV.

## CAPABILITY - SECURITY



(Image: Smith's Detection)

Location: Throughout Show

The international security industry will be well represented by large prime contractors, research organisations, manufacturers and service providers, such as **BAE Systems, Finmeccanica, Thales, Northrop Grumman, Lockheed Martin, QinetiQ, Explora Security, Avon Protection, Remploy, G4S.**

Other highlights:

- **Altera** and **Lanode**; **Chronos Technology** with its global positioning and navigation product.
- **API Europe**, whose **TEMPEST** products have been safeguarding classified and sensitive information for the United States intelligence community and its allies for over 30 years.
- **Thruvision Systems**, featuring screening and scanning technology products.

The security industry service area will also be represented, with exhibitors including 3SDL, a leading provider of acquisition services to defence and security clients globally; **Wolfestone**, which specialises in translation for the defence and security sectors; and **Capita**, which will be showcasing recruitment and outsourcing within secure environments.

Seminar content (See Theatre Two Seminar Programme, Page 15): Panel discussions and sessions on relevant security issues affecting the industry by industry experts. Topics to include:

- Cyber / Information / Data Security: Protecting Critical Information and Networks
- Transport Security: Aviation / Maritime / Road / Rail
- National / International / Homeland Security: Counter Terrorism / IEDD / EOD / Crowd Control
- CBRNe: Current and Perceived Future Threats
- Border and Coastal Security: Surveillance / IR Technology / Piracy / Maritime Tracking Technology

Security Showcase and Demonstration area: The security demonstration and area will be located on the exhibition floor close to security-focussed companies. The idea of the Security Zone and adjoining Demonstration Area (Stand N7-390) is to have a dedicated area to host seminar content for our security delegations and VIPs, as well as giving our participating security companies an area to showcase their products and services. Daily themes, which may alter slightly, are as follows:

Day 1 Homeland Security  
Day 2 Cyber Security  
Day 3 Border / Coastal Security  
Day 4 CBRNe

## OTHER SHOW FEATURES

### Robotics & Unmanned Systems Showcase

Location: North Hall Entrance N3

Timing: Scenario takes place at 10:30 and 15:30 Tuesday to Thursday

A demonstration of UVs in the context of an Afghan foot patrol which lasts just under an hour and features the following major themes – in order:

- Demonstrate SUGV Carry
- Mobile Checkpoint set up
- Robot Demonstration
- SUGV operating live
- Car clearance
- Sniper
- Robot Medical Extraction
- UAV Flight
- Building Assault
- UAV Over watch
- Questions & Company Info

#### Companies participating in the demonstration:

- Northrop Grumman Remotec
- Selex
- Allen-Vanguard
- BCB
- Middlesex University
- Marshall Land Systems
- Recon Robotics
- Datron World Communications, Inc.
- QinetiQ

### International Electronics Pavilion

Location: North Hall, Entrance N9/N10

The International Electronics Pavilion is new this year. It covers a total of 200m<sup>2</sup> of the exhibition floor.

#### Highlights:

- **XJTAG** Development System. The system includes a range of software and hardware products, which can help engineers to debug, test and program electronic circuits quickly and easily.
- **XJDeveloper**, an advanced graphical interface that can make it quick and easy to set up and run tests on a circuit board.
- **ALR Services** will use DSEi as an opportunity to promote its recent AS9120 aerospace approval – the first Printed Circuit Board (PCB) supplier to do so – which certifies the company to supply to the aviation, defence and security markets.
- **BUS**, is showing the design and manufacture of custom enclosures for the military Commercial off the Shelf (COTS) environment, bespoke test and demonstration equipment and sub-rack, desktop systems, cabinets and wall-mounted enclosures.

### **Naval Pavilion**

Location: South Hall, Entrance S9

Hosted by The Navy League of the United States, the Naval Pavilion is providing an overview of technology and equipment utilised by the American naval forces.

### **Electronic Warfare Pavilion**

Location: North Hall, Entrance N9

The Electronic Warfare Pavilion is hosted by the Association of Old Crows (AOC) and provides insight into the latest technological developments that enable electronic warfare and information systems to cover analogue and digital domains including the entire acoustic, magnetic, seismic, and electromagnetic spectrum.

### **Innovation Challenge**

Location: Theatre One, North Hall, Entrance N4

Timing: Thursday, 15<sup>th</sup> September, 15:00 - 16:30

Open to companies, organisations and individuals globally, the Challenge consist of presentations of new ideas that will make a significant contribution to defence or security capability but are not yet on the market.

Screening of the entries is being done by the UK MOD's Centre for Defence Enterprise (CDE). Six entries will be presented to a panel of judges which will include Dr Helen Almey, Head of CDE; Louise Owen, Futures and Innovation domain lead, Defence Science and Technology Laboratory (DSTL); and Captain Gordon Graham, DSTL's maritime and CBRN senior military advisor.

Each contestant will have six minutes to make their pitch with a further five minutes for questions. The judges will then consider their verdict and nominate the best new idea. The winner will receive a free stand at DSEi 2013 together with £500 towards their expenses.

#### Other areas include:

Land Zone

Naval Zone

Air Zone

Security Zone

Joint Capabilities Area

Medical Zone

Innovation Zone

## EXHIBITOR NEWS

### **Battlefield Sim**

The company will be showcasing its patent-pending CQB training simulation systems using inflatables, with the latest range of inflatable walls, doors and windows. Battlefield Sim's most recent innovation is its range of patent-patenting inflatables. These include close quarters battle training, where 'simunition' safe props make training programmes instantly changeable and totally transportable.

### **BCB International**

For troops serving in hot and dry climates having quick access to a supply of cool water is essential. BCB International's "Chilly" now makes warm unpalatable water a thing of the past for troops because it can reduce the temperature of their drinking water by up to 25 Degrees Celsius (45 degrees Fahrenheit). This ingenious device works by evaporation alone, no batteries are required. Water passes through a series of cooling fins that use microscopic holes to allow water to seep onto the wicking cloth.

### **Capita**

A first time exhibitor, Capita will be showcasing its work and the associated benefits that its managed service resourcing model is delivering for clients, specifically those operating within the defence and security industry. Capita consultants will be on hand to discuss how the RPO/Managed Service approach enables organisations to exercise a greater degree of control over the quality and cost associated with hiring and recruiting skilled resource.

### **Clip-Lok**

#Clip-Lok SimPak® now offers advanced GPS tracking of valuable goods via small tracking devices that can be traced by satellite and cell phone. The consignment can be traced by SMS, whereby coordinates are sent to a cell phone for entry into Google Maps, or through a free web based live tracking facility.

### **Data Device Corporation (DDC)**

DDC, which has over 20 years of solid-state power management experience on military ground vehicles, has announced the release of its third generation RP-26200 Solid-State Power Controller (SSPC). The RP-26200 offers significant enhancements including higher power output, low power dissipation and extended operating temperature.

### **Dräger**

With the Dräger Oxylog 3000 plus intensive care quality ventilation can reach every patient, whether in intra hospital transport, emergency situations or during air rescue operations. The most important options are volume controlled ventilation with AutoFlow and integrated capnography in the main stream procedure. Non-invasive ventilation is possible by default.

### **Fischer Panda**

Working with prime contractors Dytechna and BAE Systems, Fischer Panda has produced an exceptionally quiet stand-a-lone auxiliary power unit (APU) that can operate on or off the platform vehicle. The system has its own integral cooling system that enables the unit to meet the MIL specified temperature range whilst still meeting the EMC 59/411 specifications for the platform.

### **Genesis 3 Engineering**

The Retractable Camera Mount (RCM) has revolutionized the way EO/IR sensors are mounted to mission aircraft. Mounting a sensor with a Genesis 3 RCM reduces drag and increases the aircraft's performance. It also provides camera protection from FOD during ground operations as well as protection from bird and lightning strikes in the air. The system is designed to benefit rotary or fixed wing aircraft requiring a nose, pod or fuselage mounting location, reaching speeds of 100 knots or 400+ knots.

### **iOmniscient**

IQ-Airport is a revolutionary and comprehensive set of intelligent video analytics that can improve the efficiency, safety and security of all aspects of airport operations. From queue management to

maintenance, from detecting intruders to finding unattended baggage, from recognizing suspicious behaviour to detecting parking violations, the IQ-Airport system can provide tangible and measurable benefits.

### **KEC**

The company is introducing an electromagnetic capability (EMC) interconnect computer test simulation system that will save time and cost in designing and manufacturing EMC wiring harnesses and assemblies.

### **Lanode**

Lanode will be featuring new PacketBand-ISDN Networking Product offerings, developed by Patapsco in the UK. The PacketBand-ISDN range provides an important and unique method for transporting ISDN traffic across packet networks. The range delivers clear/transparent clock-locked switched ISDN "B" channels across different packet networks so any type of traffic can be transported, including; video conferencing, encrypt-ors, codecs, faxes, modems and voice.

### **Link Microtek**

The main focus of Link Microtek's stand will be the company's Azdec wire-free mobile communications system, which uses infra-red technology to provide totally secure short-range voice communications for a variety of military applications. A fully operational Azdec system will be featured on the company's stand and there will also be an opportunity to see the system in situ on the bridge of a Type 45 Destroyer that the British Royal Navy has allocated to DSEi. Other than the link from headset to battery pack, the system has no wires and therefore gives personnel complete freedom of movement.

### **Magnum**

Magnum, the world leader in EN certified footwear, will be launching its Sidewinder Multi-cam and Spider 8.1 Multi-cam footwear.

### **Mascot**

Mascot will exhibit a wide range of power supplies and battery chargers for the military industry, including the new 2840 and 2840 LI chargers for lead acid and Li-Ion batteries respectively.

### **Polyformes**

The company will be featuring a new short gun case. The Polyformes Explorer 9413 is ideal for the transportation of short weapons where easy handling plays an important role, particularly in critical scenarios. The case is also suitable for housing medium length instruments, such as photographic lighting, tripods, underwater survey devices, metal detectors and devices used for public security purposes.

### **Rescue Solutions International, Inc.**

The company is now offering a unique wireless video camera as an accessory to the VerTmax telescopic pole, allowing operators to "know before they go." The pneumatically extended VerTmax can be deployed with a camera module which transmits a wireless colour audio/visual signal to the digital video recorder (DVR) receiver up to a line-of-sight distance of 450 feet / 135 meters. Night time operations utilize auto-activated Infrared lamps and transmit black and white images to the receiver. The camera has the ability to pan 170 degrees and tilt 140 degrees and is controlled remotely at the receiver module.

### **Robosynthesis Ltd**

Robosynthesis has developed a patented, extreme-modular open platform robotics. The system can create an unlimited range of multi mission robots for military and security sectors. It is multi scale so robots of almost any size can be produced.

## SEMINAR PROGRAMME - TUESDAY 13th SEPTEMBER 2011

### Unmanned Theatre: North Hall, Entrance N3

Time	Seminar Title	Speakers
10:30 - 11:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	
12:00 - 12:45	UAV Systems Development - Challenges for ISTAR Support	Professor Ian Poll, Cranfield University
14:00 - 14:30	UAV Hangars in Harsh Climates	Jonathon Fenton, International Sales Manager, Sprung Instant Structures
14:45 - 15:15	Insitu - Sophisticated UAS	Steve Tanner, Director , International Business Development, Insitu
15:30 - 16:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	

### Theatre One – North Hall, Entrance N4

Time	Seminar Title	Speakers
10:00 - 10:45	Looking Outside the Defence Industry for Solutions	Alistair Fergusson, Chairman, Motor Sport Industry Association; John Davy, Manager, The Structure Group; Rudolf Mandorfer, CEO, Steyr Motors GmbH; Arthur Sams, President, Polar Power Inc; Jonathan Edwards, Alcon
11:00 - 11:30	You Don't Know Jack	Grant Hudson, Atkins Human Factors
12:00 - 12:45	Rapid Deployment Solutions for Defence from the Motor Sport Industry	Chris Aylett, Motorsport Industry Association
14:00 - 14:45	Reducing the Burden on the Dismounted Soldier	Dr Jeremy Smith, Head of Future Combat Systems, Cranfield University
15:00 - 15:45	Personnel Survivability	David Eadie, UK Regional Director, Cubic Defense Applications; Dan Mercer, Vice President & General Manager, Iridium Communications Inc; John Frankham, Technical Lead Aerospace & Defence, Cosworth Ltd
16:00 - 16:30	New Solutions for Defence	Rob Skarda, Sula Systems

### Theatre Two - North Hall, Entrance N7

Time	Seminar Title	Speakers
10:00 - 10:45	Securing Critical Networks - Not Just a Government Issue?	Gordon Morrison, Defence & Security Director, Intellect; Anthony Bridges, Principal Consultant, QinetiQ; David Livingstone, Principal Consultant, Harmonic; Emma Shaw, Esoteric
11:00 - 11:30	Combined Resilience for Greater Effect	Laurence Marzell, Lead Cnl Scan, Serco; Ronnie Coutts MBE MA, Director, Emergency Planning College (UK)
12:00 - 12:45	Obzerv's Range-Gated Cameras for long-range identification & threat assesment.	Sylviane Lelievre, Marketing Director, Obzerv Technologies Inc
14:00 - 14:45	Proteez Counter Piracy Tactical Tabletop Demonstration	Ian McLaren MBE, Consultancy Director, Proteez
15:00 - 15:45	Communication is Our Best Defence Against Piracy	Jonathan Edwards, Alcon; Wouter Deknopper, Director of EMEA, Iridium Communications Inc; Christopher Ledger, Chairman, Idarat Holding LLC; Jon Leombrone, Harris Communications; Malcolm Warr, MD, Maritime Services
16:00 - 16:30	Infra Red Zoom: Lenses, Applications, Features and Trends	Dr Jonathan Kane, Director of irZoom.com, Computer Optics

**SEMINAR PROGRAMME – WEDNESDAY 14th SEPTEMBER 2011**

Unmanned Theatre - North Hall, Entrance N3

Time	Seminar Title	Speakers
10:30 - 11:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	
12:00 - 12:45	Exploring Modular UISGB Solutions	George Bond, Chairman, AC/135
14:00 - 14:30	An Update on Modular Robotic Solutions	tbc
14:45 - 15:15	A Tactical Micro-Robot that Saves Lives	Alan Bignall, CEO, Recon Robotics
15:30 - 16:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	

Theatre One - North Hall, Entrance N4

Time	Seminar Title	Speakers
10:00 - 10:45	A Good Soldier Knows Good Communications	Craig Smith, MOD, DSTL; Tim Harrington, Business Development Engineer, Pole/Zero Corporation; Paul Zweers, Director International Operations, Harris Corporation
11:00 - 11:30	Latest Trends in Automated Surveillance	Dori Schmetterling, Business Development Manager, iOmniscient
12:00 - 12:45	Evolving Technology and Design in the World of Naval Capability	John Edwards, Alcon; Cdr Steve Kerchey, Senior Business Manager, Chemring Countermeasures; Eugene Morgan, Business Development Director, BMT Defence Services
14:00 - 14:45	Integrated Solutions for Naval Applications	tbc
15:00 - 15:45	Modern Submarine Design	Manfred Klein, Senior Vice President, Thyssen Krupp Marine Systems AG; Peter Bitzen, Senior Systems Engineer, Combat Systems; Alexandra Knight, Senior Consultant, Frazer-Nash
16:00 - 16:30	Chronos Enhancing Mission Effectiveness	Andrew Proctor, Divisional Manager GNSS Applications & Solutions, Chronos

Theatre Two - North Hall, Entrance N7

Time	Seminar Title	Speakers
10:00 - 10:45	The Cyber Doctrine - Institute of Security & Resilience Studies (ISRS)	Dr J.P. MacIntosh, ISRS
11:00 - 11:30	Malware Reloaded: Mitigating the Next Evolution of Cyber Attacks	Don Smith, Director - Counter Threat Unit, Dell
12:00 - 12:45	Is the Cyber War Winnable?	Graham Wright, Northrop Grumman; Tony Dyhouse, Principal Cyber Security Consultant, QinetiQ; David Livingstone, Principal Consultant, Harmonic; Paul MacGregor, Finmeccanica Cyber Solutions; John Walker, MD, Secure Bastion Ltd
14:00 - 14:45	Integrating Governance, Risk & Compliance Management with Real Time Network Monitoring	Dr Phil Nobles, Lecturer, Cranfield University
15:00 - 15:45	Security and Defence Services in Sao Paulo, Brazil	Major Walter Romano, Sao Paulo, Brazil, Military Police; Major Cassio Roberto Armani, Sao Paulo, Brazil, Fire Department; Laerte Idalino Marzagao Junior, Sao Paulo, Brazil, Civil Police
16:00 - 16:30	Defence + Security Investment in South Africa	James Baillie, Marketing Officer (Investment Promotion), South Africa DTI; Lucas Ndema

Briefing Sessions

Time	Seminar Title	Speakers
14:00 - 16:00	Expeditionary Logistics + Support - Implementing Strategic Change.	Brigadier Jon Brittain, Head of ELS Capability, MOD; Captain Jim Lines, Royal Navy; Lt. Colonel Richard Gibb; Group Captain Tony Toner; Major Tim Elliot
14:00 - 16:00	An overview of Developments in Operational Healthcare	Surgeon Rear Admiral Lionel Jarvis, Assistant Chief of the Defence Staff (Health) & Chief Naval Medical Officer/Medical Director General (Naval)

**SEMINAR PROGRAMME – THURSDAY 15th SEPTEMBER 2011**

Unmanned Theatre - North Hall, Entrance N3

Time	Seminar Title	Speakers
10:30 - 11:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	
12:00 - 12:45	Contractorised UAS Operations;delivering ISR differently	John Jost, Author
14:00 - 14:30	Pathway Detection for Autonomous Navigation	Brian Clesham
14:45 - 15:15	Developing Capability to meet the requirement. Balancing the Technology with through life costs.	Malcolm Warr, Managing Director, Martime Services Management Ltd
15:30 - 16:30	Unmanned Scenario Demonstration - Foot Patrol in Afghanistan	

Theatre One - North Hall, Entrance N4

Time	Seminar Title	Speakers
10:00 - 10:45	Doing Business with Prime Contractors	Major General (Rtd) James Short; Jim Shaw, Defence M&A Specialist, Target Corporate Finance; Irshad Booly, Supply Chain Manager, BAE Systems
11:00 - 11:30	How to Do Business With NC3	tbc
12:00 - 12:45	How to Do Business With NAMSA	Robbert Smit, Deputy Director of Procurement & Competition Advocate, NAMSA
14:00 - 14:45	How to do Business with AC/135	George Bond, Chairman, AC/135
15:00 - 16:30	DSEi Innovation Challenge	Dr Helen Almey, Centre for Defence Enterprise; Caroline Wyatt, BBC Defence Correspondent; Capt. Gordon Graham, Martime and CBRN senior military advisor, DSTL; Louise Owen, Futures and Innovation Domain Lead, DSTL

Theatre Two - North Hall, Entrance N7

Time	Seminar Title	Speakers
10:00 - 10:45	Automatic Baggage Screening for Transport Security	Dr Toby Breckon, Senior Lecturer, Cranfield University
11:00 - 11:30	SENTINEL - Improving the Safety and Security of Critical Infrastructure	Andrew Proctor, Divisional Manager GNSS Applications & Solutions, Chronos
12:00 - 12:45	Palantir	Doug Philippone, Lead - Defense, Palantir Technologies Inc
14:00 - 14:45	CBRN - Threat Overview and the Way Forward	Brian Clesham
15:00 - 15:45	Can we Manage the IED Threat?	Juan Navarro, President of NIITEK, Chemring; Peter Hartley, Msc, CAET, MInstP,MIET, On behalf of Airoclusion Ltd; Magnus McEwen -King, MD, Optasense; Nick Sutherland, Managing Consultant, Helyx Professional Service Practice
16:00 - 16:30	Exploring Improvised Weapons Technology: Educating for the IED Challenge	Lt. Col Andy Stevens, Senior Lecturer, Defence Academy

Briefing Sessions

Time	Seminar Title	Speakers
08:00 - 1000	Government Security Strategy Briefing	Rt. Hon Lord Reid of Cardowan, Chairman, Institute of Security & Resilience Studies; Douglas Smith, Assistant Secretary to the Private Sector Office, Department of Homeland Security - US; Charles Farr, Director, Office security & Counter Terrorism; Lord Toby Harris
13:00 – 17:00	A D S Defence Offset Briefing	London Countertrade Roundtable (LCR), ADS Group Ltd's United Kingdom Offset Operations Group (UKOOG), United Kingdom Offset Strategy Group (UKOSG)
14:00 – 16:00	Intellect Cyber Presentation	tbc

**SEMINAR PROGRAMME - FRIDAY 16th SEPTEMBER 2011**

Theatre One - North Hall, Entrance N4

Time	Seminar Title	Speakers
10:00 - 10:45	Scientific Facilities for Advanced Technology and Engineering in Defence	Science & Technology Facilities Council
11:00 - 11:30	Perforated Ultra High Hardness Armour Steel	Paul Davies, Tata Steel
12:00 - 12:45	David Brown	

Theatre Two - North Hall, Entrance N7

Time	Seminar Title	Speakers
10:00 - 10:45	Recruitment in the Defence and Security Sector	Jake Bailey, RFEA
11:00 - 11:30	Social Listening – Tracking Conversations in the Defence Industry on the Social Web	Patrick Herridge, Founder, Social 360; Barney O'Kelly, Head of Communications, Strategic & Digital BAE Systems
12:00 - 12:45	Fendercare Bespoke Solutions	Fendercare

Briefing Sessions

Time	Seminar Title	Speakers
10:00 - 10:45	Recruitment in the Defence and Security Sector	Jake Bailey, RFEA
11:00 - 11:30	Social Listening – Tracking Conversations in the Defence Industry on the Social Web	Patrick Herridge, Founder, Social 360; Barney O'Kelly, Head of Communications, Strategic & Digital BAE Systems
12:00 - 12:45	Fendercare Bespoke Solutions	Fendercare

All programmes are subject to change or cancellation.

**Additional Events**

Monday 12th September & Tuesday 13th September

Time	Event	Location
17:00 - 19:00	ACT Conference	Central London

Tuesday 13th September

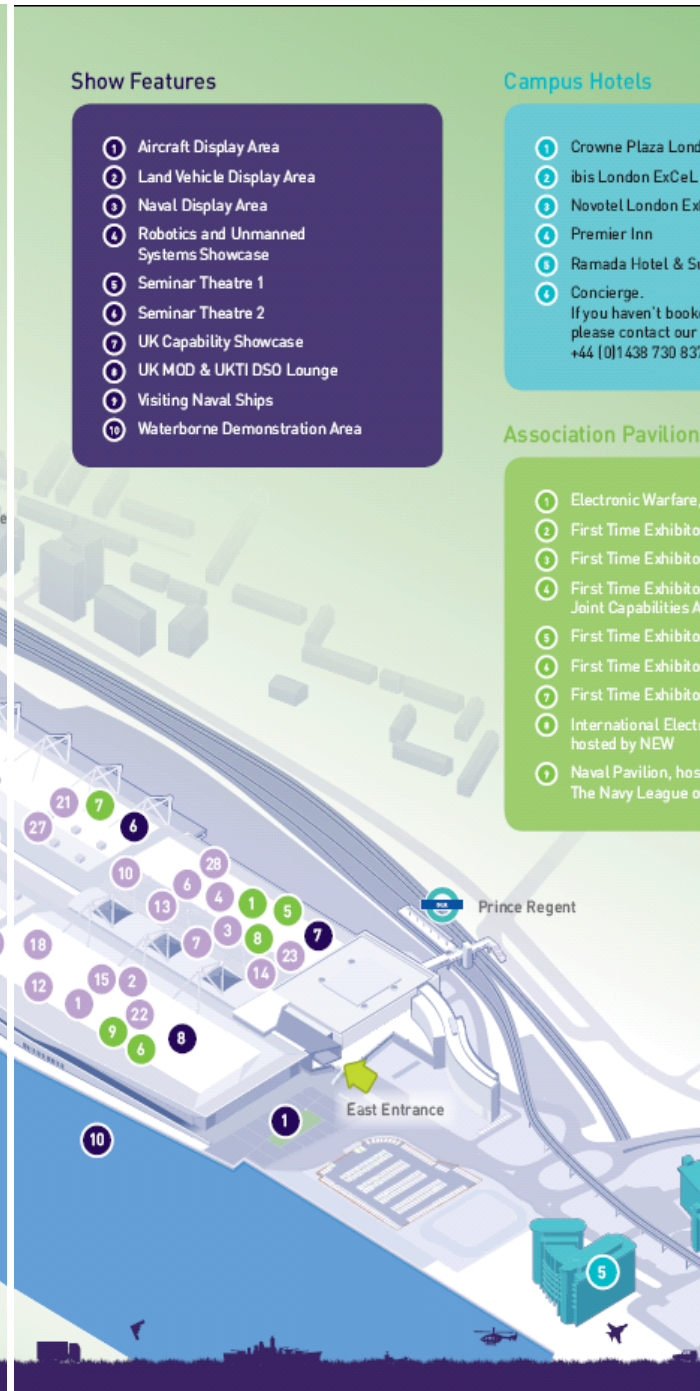
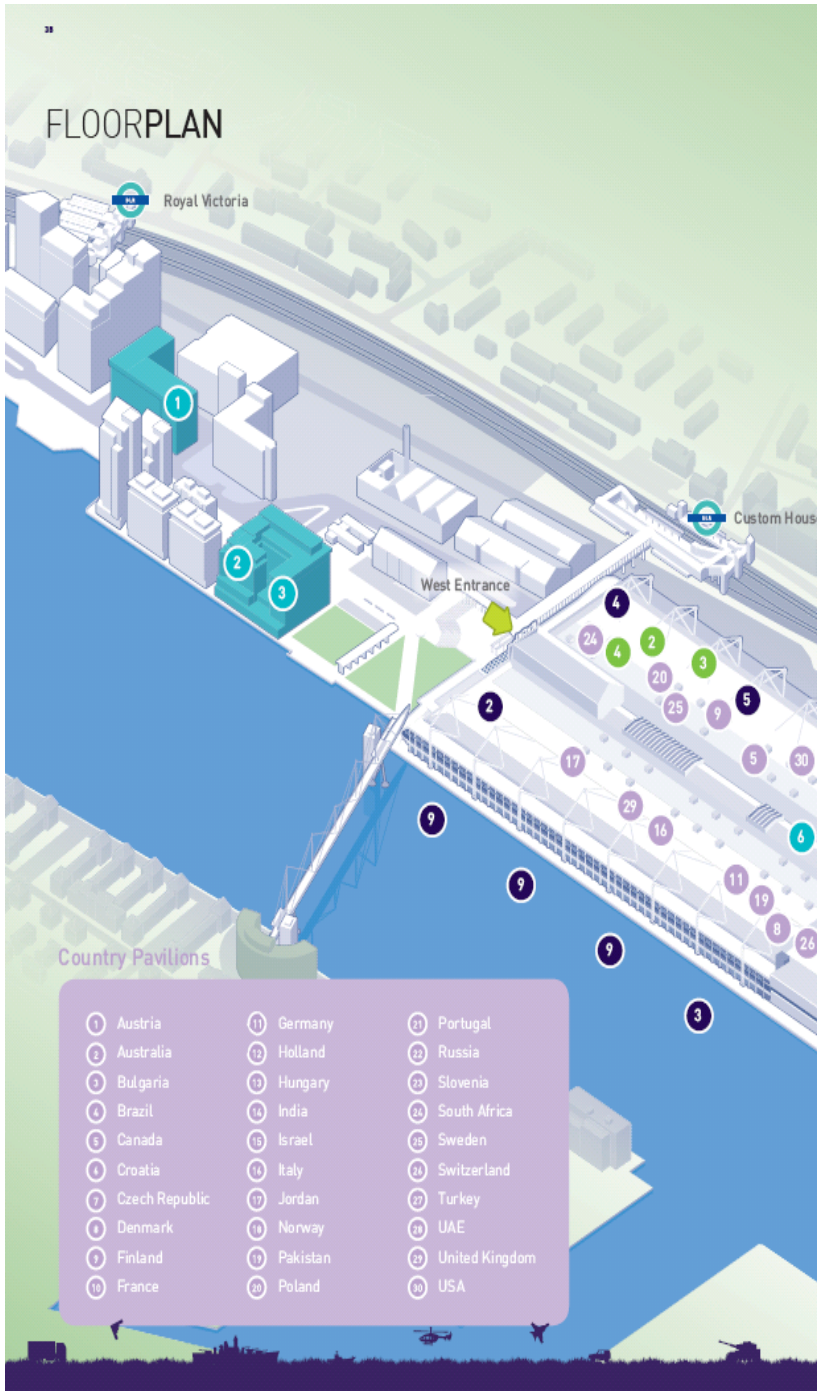
Time	Event	Location
17:00 - 19:00	Evening Reception - BAE Systems	Type 45
18:00 - 21:00	German Embassy Reception	K130
19:00 - 21:00	Official Reception, Co-Hosted with SSAFA Forces' Help	National Gallery

Wednesday 14th September

Time	Event	Location
17:00 - 19:00	Evening Reception - First Sea Lord	Type 45
17:00 - 19:00	Canadian High Commission	Boulevard Bar
19:00 - 20:30	US Reception	US Embassy

Thursday 15th September

Time	Event	Location
17:00 - 19:00	ADS Defence Reception	ExCeL East
19:00 - 21:00	IHS Jane's Information	Westminster



Note: A full and detailed plan will be made available at the Escort Officers briefing on Sunday or Monday of the Show.

## USEFUL INFORMATION

### Ministerial Visits

There will be the highest level of representation from UK Government at DSEi 2011. Keynote addresses will be delivered in the Platinum Suite, RM 1&2 (accessed via the escalators at the West Entrance) on the following days:

Tuesday 13<sup>th</sup> September      1445 – 1515 (Rt Hon Dr Liam Fox MP, Secretary of State for Defence)  
Wednesday 14<sup>th</sup> September    1130 – 1200 (Peter Luff MP, Minister for Defence Equipment, Support and Technology)

**Please note: times may vary**

### Show Opening Times

Tuesday 13<sup>th</sup> September      9.30 - 1700  
Wednesday 14<sup>th</sup> September    9.30 - 1700  
Thursday 15<sup>th</sup> September     9.30 - 1700  
Friday 16<sup>th</sup> September        9.30 - 1600

### DSEi Concierge Service

The DSEi Concierge, has been introduced to provide a single point of contact for meeting visitor and exhibitor needs, such as help with hotels, restaurants and transportation. For information on means of transport to and from the venue or on the hospitality options available in London, please call the DSEi Concierge on +44 (0)1438 730 837. The Concierge Service can also be accessed via VNET.

### UK MOD Facilities

For DSEi 2011 we have provided an MOD Engagement Lounge where the UK MOD can arrange meetings with exhibitors. If you are UK MOD and wish to make use of these facilities for your meetings, please contact Steve Baker on (0) 20 7370 8538.

### Uniform

It is requested that serving officers wear uniform. It is understood that this may not be possible due to reasons of security, method of travel, etc. Changing facilities will be available at the venue, located at the North Hall Meeting Rooms between entrance N10 and N11 - this facility also holds lockers for personal bags and hats and is available free of charge; otherwise, a large complimentary cloakroom will be available for your use and is located at Level 0 in the central boulevard between N4 and S4.

### VIP Reception

If you require assistance whilst at DSEi, please visit the VIP Reception which is located next to the Ships Visit Bureau between entrances N7 and N8.

### DSEi VIP Guest Lounge

The DSEi VIP Guest Lounge, supported by General Dynamics, is situated at the East end of the North Hall, N10, and is available for VIP Guests to use at your discretion. The Guest Lounge is open for use throughout the exhibition and will serve refreshments throughout the day, including a cold fork buffet lunch. Timings are as follows:

09:30 – 17:00	DSEi VIP Guest Lounge open daily from 13 <sup>th</sup> September (09:30 – 16:00 on 16 <sup>th</sup> September)
12:00 – 14:00	Buffet Lunch available

## Prayer Room

A prayer room and ablution facilities are located near The Briefing Rooms accessed via the escalator at the West entrance.

## Ceremonial on Ships

Please be aware that due to the close proximity of the warships to the exhibition hall and the number of VIP visitors and official Overseas Defence Delegations expected to attend the exhibition, full ceremonial when boarding and leaving ships is impractical. Accordingly, Royal Navy ships have been instructed as follows, and it is anticipated that the visiting foreign ships will also adopt this:

During exhibition hours – courtesy hand salutes only at the brow or gangway (ie. no bands, pipes or broadcasts).

Outside exhibition hours – full ceremonial as laid down, between colours and sunset for official visits and specific events such as receptions.

## Visits to Ships

All unescorted visitors are requested to check at the Ships Visits Bureau located in the central boulevard next to entrance N7, to see which ships are available for visits. Visits to warships will be popular; you are recommended to book a visit in advance of DSEi by contacting Captain Stephen Taylor on 07802 400081.

## Travel

Chauffeured Cars. If arriving by chauffeured car, follow the vehicle signage to ExCeL West for the DSEi VIP drop-off point at the Western entrance to ExCeL. Alight at the far end of the drop-off point and proceed up the large main stairs at the front of ExCeL. Enter DSEi via the DSEi VIP entrance (right hand doors). If raining, please access the West entrance from the DSEi VIP drop-off point via the covered staircase or disabled ramp. Please note, to reach the DSEi VIP entrance, you may need to cross visitor queues entering DSEi through standard entry points. Drivers of chauffeured vehicles will not be badged for DSEi and so will not be able to gain access to the venue unless we have been notified that they are official accompanying staffs. **A purple car hanger will need to be displayed to access the VIP drop-off point. Please contact us if you require a hanger.**

Self Drive. If you are planning to drive yourself to DSEi, please follow signs for ExCeL West and park in The Royal Victoria Car Park, Western Gateway, E16 1XL and pay upon exit. Please contact us directly if you require parking for Diplomatic vehicles or MOD vehicles.

Taxi. If arriving by taxi, you will be directed to the taxi point at East Car Park via Festoon Way, E16 1RH, then enter the venue through the East end VIP and Delegation entrance.

Coaches (UK MOD). Return transport is being provided from MOD Abbey Wood to DSEi. If you are attending DSEi from MOD Abbey Wood, you are advised to book your seat in advance via Katrina McCabe, [DESSec-InternalComms-Mgr3@mod.uk](mailto:DESSec-InternalComms-Mgr3@mod.uk). There is no coach service from MOD Main Building.

## Photo ID

You are requested to carry a valid form of photographic identification with you at all times (**passport, driving licence or military/government photo ID**). There are a number of control and security points to pass through before entering ExCeL and discretionary checks will be conducted during the exhibition.

## **DSEi Preview**

You may find our latest DSEi Preview useful, which can be accessed via the link (<http://www.dsei.co.uk/preview>). The Preview also provides information on the key features and seminars taking place at DSEi this year. Additional information can be found on the DSEi website ([www.dsei.co.uk](http://www.dsei.co.uk)).

## **Contacts**

Christina Esson

e: [christina.esson@clarionevents.com](mailto:christina.esson@clarionevents.com)

t: +44 (0) 20 7370 8629

m: +44 (0)7500 017820

Jayne Thomson

e: [jayne.thomson@clarionevents.com](mailto:jayne.thomson@clarionevents.com)

m: +44 (0)7962 494653

Steve Baker

e: [steve.baker@clarionevents.com](mailto:steve.baker@clarionevents.com)

t: +44 (0) 20 7370 8538

m: + 44 (0)7500 557705