

EUROSKY: Real-time Logistics Optimisation in the Single European Secure Air Cargo Space

EUROSKY is a European Commission funded initiative to increase security and operational efficiency in the air cargo supply chain. For more information about EUROSKY, including details about the partners involved in the project, please see www.euroskyproject.eu or contact the project management team using enquiries@euroskyproject.eu.



Workshop 8th March 2017 at Heathrow Airport

EUROSKY provides innovative solutions for air cargo security while driving operational efficiencies that reduce costs and lead times within the industry. The key message is that air cargo supply chains can be made more secure without massive impact on costs while increasing throughputs and **reducing processing times and queues at major air cargo terminals and airports**. One of the most innovative aspects of EUROSKY is the combination of security enhancement and logistics optimisation covering the full Air Cargo Supply chain. EUROSKY addresses the relevant drivers for freight-forwarders, transport companies (including SMEs and large scale operators), ground handlers and airlines. To all of them it offers enhanced capabilities for integrating preventive and reactive controls to address their threats in a timely and effective manner with optimised cost.

Higher security but lower costs? How?

Many different technological innovations have been developed in this very successful project and its final showcase event is anticipated to generate a lot of interest from the industry.

Join us on the 8th March at Heathrow to see live demonstrations and presentations on:

- **Next Generation multi-energy detection/scanning technology** presented by Rapiscan;
- advanced **Mass Spectrometry Technics** for detection of drugs and explosives by Mass Spec Analytical;
- sophisticated **risk analysis algorithms** introduced by FOI (Swedish Defence Agency);
- **real-time logistics optimisation** systems lead by real-time transport scheduling experts MJC²; and
- an interoperable **Secure Air Cargo Space** summarised by ILS.

Come and hear why IATA joined EUROSKY. Particular relevance to the technology integrated in EUROSKY solutions is IATA's [electronic Air Waybill \(e-AWB\)](#) initiative.

A major benefit of the EUROSKY system is the ability to encourage collaboration between freight forwarders, hauliers, cargo handlers and airlines. This in-depth workshop gives you the opportunity to successfully meet and network with peers from all these sectors, covering the full Air Cargo supply chain, from forwarder to airline, which is another key reason for your attendance. Make this a lively debate by voicing your opinion and be part of cutting-edge news.



Next Generation Scanning systems - RAPISCAN

Present X-ray scanning systems which are very efficient for checked baggage (for the simple reason that such baggage is made up mostly of personal effects), experience difficulties in coping with the enormous variety of cargo that is transported by planes. This part of the workshop will demonstrate the security advantages of cargo images generated by new prototype next-generation detection systems which have a higher-powered source, multi-energy detectors, and innovative image-processing applications and, as a result, have much better discriminatory powers than conventional systems.

The presentation will also give a demonstration of the integrated solution that delivers advantages for efficient, wide-area operation, and for accurate information management. Data is transmitted by web interface and within a networked environment, and is captured and displayed electronically.

Real-time Logistics Optimisation - MJC²

The demonstration of EUROSKY's Real-time logistics optimisation tools will include the Real-time Risk Alerting Dashboard (RRAD) toolset and the integrated Real-time Cargo Handling & Screening Optimiser (RCHSO). EUROSKY has been configured to allow freight forwarders (from start-up SMEs to the largest European operations) to plan, optimise and monitor the transport of cargo to an airport's cargo facilities, leading to enhanced visibility and reduced operational costs. The risk alerting dashboard (RRAD) will introduce higher levels of security while taking in consideration the safety of the driver transporting freight to airports. The RCHSO optimises the processing of freight when it arrives at the handler, automatically allocating and planning use of warehouse and X-ray scanning resources to maximise throughputs while reducing the need for last-minute agency bookings. The EUROSKY solution takes real-time data feeds about flight schedules/times, bookings, security status, truck ETAs (based on GPS tracking), resource availability and freight processing status. A real-time optimisation dashboard gives the cargo handler and the airline a live view of the operation, enabling more informed decision-making about last-minute bookings and resource planning. During this workshop several realistic scenarios will be simulated and the audience's participation is most welcome.

Mass Spec Expert Trace Detection - Mass Spec Analytical

The methods that Mass Spec has developed for the trace detection of substances, including illicit drugs have been successfully transferred to the rapid and reliable detection of trace explosives. In this workshop MSA will introduce the advances it integrated and the expertise it brought into the EUROSKY project.

Seamless Integration - ILS

This part of the workshop will concentrate on how disparate systems running different applications in different platforms can exchange information seamlessly with the minimum of effort having to be put into networking them.

Risk assessment and Infra-Red Spectrometry - FOI

This presentation will consist of two parts. The first one will show innovative risk assessment methods which make use of open source data (e.g. social media) to complement present conventional risk assessment systems. It will show how information gleaned from open sources can be used effectively and inexpensively to bolster risk analysis and lead to a more accurate risk assessment. The second part of this presentation will show an innovative infra-red spectrometer for efficient alarm resolution.

