

MEETING REPORT

Frontex Industry Days 29-30 March 2023

Responsible Unit:	Research and Innovation Unit (RIU)
Place of meeting:	Online Webex presentations and b2match showcase platform

Background

Frontex assists the EU Member States in supporting the development of modern technologies for the European Border and Coast Community. As part of its mandate, Frontex regularly meets with industry, researchers, and experts from the Member States to provide a platform for discussion and help develop new technologies and innovations related to border control.

In this context, Frontex Industry Days (I-Days) are meetings with industry, organised to increase awareness among Frontex staff and stakeholders on the current and developing market offer in innovative technology and solutions applicable for border management. The Industry Days meeting on 29-30 March comprised two days of scheduled, online meetings with industry where participants from Frontex, Member States, EU Agencies and EU Commission could see presentations of commercial solutions and interact with industry representatives. A complementary component of the meeting was the online showcase platform offering technology innovators, solution providers, and start-ups the opportunity to showcase their innovative products and services to experts from the European Border and Coast Guard community as well as from other European Agencies and Law Enforcement entities and offering the experts the possibility of online interaction with these providers in order to find out more specific information .

Following the publication of a dedicated [announcement](#), 158 relevant submissions were received from Industry in the period covered by the call (25 November 2022 - 21 March 2023), out of which 16 were selected to be invited to the online meeting format. The objective of the meeting was to enable a direct and comprehensive discussion on the new solutions included in the submissions, between the providers and all participants from the European Border and Coast Guard Community.

Over the course of a two-day programme, these selected solutions were presented and discussed, covering latest approaches, technologies, and upgrades , which can benefit border management at the external EU borders and within the EU area in respect of EU regulations. The meetings enabled a more in-depth exploration of the technical aspects of the proposed solutions. All applicants were invited to share details of the technical and practical features of their proposed solutions through an online showcase platform, which enabled interaction with attendees.

Participants

Frontex Research and Innovation Unit invited EU Member States and Frontex Internal Business Units to evaluate and express their preference in selecting which technologies, solutions and services they would have liked to see showcasing during the event. After feedback was collected, the selection of the companies was made taking into account these evaluations, and an invitation was sent for attending the event. This invitation was extended to Schengen Associated Countries and selected non-EU countries.

There were 114 registrations for the first day (29 March) and 112 for the second day (30 March), with an average of 55 attendees for each Webex session. In total, 152 unique participants registered for the two-day programme. The event was attended by representatives from eight EU institutions and agencies (EFCA, EU SatCen, EUAA, eu-Lisa, EUROCONTROL, European Commission, Europol and Frontex).

There were representatives from 21 different governmental institutions and Law Enforcement entities from 14 EU Member States (Bulgaria, Croatia, Estonia, Finland, France, Greece, Latvia, Lithuania, Luxembourg, Poland, Portugal, Romania, Slovenia, Sweden) plus Iceland and Montenegro.

Industry presentations¹

Out of 158 proposals, eight solutions were selected for presentation each day. The providers offering the selected solutions were HGH Infrared Systems (France), Aalto University (Finland), Anarky Labs (Finland), Web-IQ (Netherlands), SecureOne (Netherlands), BROLIS (Lithuania), Thales (France), 1ID (United States) for the first day. Cerbair (France), Teledyne FLIR (Sweden), BPI Services (Netherlands), EUTELSAT (France), SATWAYS (Greece), FOSINA (France), Leonardo (Italy), Accenture NV (Belgium) for the second day.

Company	Country	Category	Solution
HGH Infrared Systems	France	Sensors	Spynel-X is a panoramic thermal camera that is well suited for surveillance of maritime or land borders. Spynel combines, in one sensor, the usual detection function of a radar and the usual day/night identification function of a thermal camera. Intruders can be detected in all directions at distances ranging up to 9km for humans and 12km for small boats. It includes Artificial Intelligence module for automatic classification of all detected and tracked objects.
Aalto University	Finland	Detection of hidden items	Milliscan lightweight system can screen people and detect hidden metal and non-metal items without any harmful radiation. It also provides good contrast when imaging a small amount of powder and liquids inside letters, which is not possible with X-ray systems.
Anarky Labs	Finland	AI/ Augmented Reality	AirHUD is the first real Heads-Up Display for drone pilots. It enables situational awareness, mission execution and split-second decisions on site at operation, BVLOS/EVLOS capabilities, C-UAS, remote operations
Web-IQ	Netherlands	OSINT	Web-IQs real-time screening tools provides an Internet footprint of a person at the border. Including a risk and background

¹ The releasable presentations are shared together with the summary report. Other presentations contain commercially sensitive information and as per the decision of their providers cannot be released.

assessment and travel route assessment. Based on this information further investigation by the responsible officer can take place much more focused by what the Internet exposes.

SecureOne	Netherlands	Detection of hidden items	SecureOne International BV is specialized in development, manufacturing and distribution of special security systems for Access Control and Perimeter Security. UVIScan Gamma is able to detect radioactive objects, both inside and under the vehicle.
BROLIS	Lithuania	Sensors	BROLIS develops a range of electro-optical systems and components for security and surveillance applications operating in near infrared (NIR), short-wave infrared (SWIR) and long-wave infrared (LWIR) spectral ranges.
Thales	France	UAV	Thales long range UAS100 can fly more than 100 kilometres with a 10 kilograms payload and is able to perform surveillance tasks, such as border patrol or coastal monitoring. It is equipped with a hybrid propulsion systems and can be equipped with optronic turret, day/night vision, thermal vision, RADAR, LIDAR.
1ID	United States	Biometrics	1ID is specialized in touchless immigration and security clearance solutions that provides digital passports for travellers and real-time Arrival and Departure Control Dashboards for airports. Data can be uploaded by passport holders themselves via the mobile app. Airport immigration officials have access to the 1ID dashboard which allows them to see all relevant information about a traveller without having to physically check their passport.
Cerbair	France	C-UAS	Cerbair drone detection software uses artificial intelligence and detection algorithms to look for unique patterns of communications, efficiently discriminating drones from other objects.
Teledyne FLIR	Sweden	Sensors	Teledyne presented developed technology with a wide range of capabilities for border control, SAR and general situational awareness. Teledyne sensors, infrared+TV cameras, and radars may be used as standalone or as multidomain interconnected system with the support of Cameleon software with AI capabilities, to detect, recognize and track a target, either by land, air or sea, giving a full situational awareness to the operators.
BPI Services	Netherlands	Biometrics	BPI iMatch is a mobile fingerprint capture and identity check device that helps to reduce traveller queues and increases the mobile effectiveness. The iMatch utilizes a secure Bluetooth connection to almost every available Android and iOS smartphone that is used by border security professionals.
EUTELSAT	France	Communication	EUTELSAT offers a comprehensive portfolio of solutions for governmental activities with secure, agile, resilient and assured connectivity that can be rapidly deployed at a moment's notice . EUTELSAT Advance is a global Satellite-Network-as-A-Service (Sat-NaaS) that provides high-end connectivity to users beyond the range of terrestrial networks.
SATWAYS	Greece	Command and Control	Satways ENGAGE Border Monitoring Edition (BME) is an Integrated C2 system suited for the operations of National, Regional and Local Coordination Centres, as it provides all the tools and subsystems for numerous sensor (AIS, Radars, E/O, SIGNIT, RF, UxVs etc) integration and exchange of situational picture in a Unified Graphical Interface.

FOSINA	France	Sensors	FOSINA, specializes in the development, engineering, manufacture and applications design of distributed optical fiber sensors (DOFS). FOSINA real-time web-based user interface for third-party intrusion is based on in-house AI algorithm that allows to detect and classify various intrusions.
Leonardo	Italy	Command and Control	Leonardo presented their integrated solutions for SAR, overland and maritime surveillance to support decision making in real time. A scalable and flexible Mission Management Systems able to collect, integrate and correlate data gathered by manned/unmanned platforms with the scope to disseminate valuable information at tactical and strategic level.
Accenture NV	Belgium	OSINT	Accenture presented AIP+, an accredited intelligence-as-a-service platform that can be rapidly deployed to meet a wide range of use cases including border management. AIP+ is used by over 200 commercial & government clients to combine many forms of data with best of breed tools and deliver swift insights and equip stakeholders with intelligence quickly. Operational applications include border and location monitoring, ESG, defence, open-source intelligence/disinformation, event simulation, and many others.