FRONTEX

Industry-Day on Space-based Solutions for Secure Asset Management

23 November 2023 Agenda

Warsaw time-zone (CET, UTC+1)	23 November (Thursday)
09:30 – 10:10	**SES Space and Defence (Luxembourg)** With over 70 satellites in two different orbits, SES combines a vast, intelligent network of satellite and ground infrastructure with industry-leading expertise to manage and deliver high-performance data solutions virtually everywhere on the planet. Their technological solution, O3b mPOWER, is a high-throughput, low-latency satellite communication system. It is designed to provide connectivity with high-speed (up to 10gbps per link), and low-latency (150ms) globally between +50 and -50 latitude.
10:25 – 11:05	**LaterationXYZ GmbH (Germany)** LaterationXYZ is a company specialised in the field of localisation. Their proposed solution is an ad-hoc IoT sensor network that can monitor large areas and detect movement of people or vehicles. It can also be used as a GNSS/GPS extension and alternative for use cases like autonomous drone navigation and control.
11:20 – 12:00	**AnsuR Technologies (Norway)** AnsuR Technologies' focus area is ultra-bandwidth-efficient photo and video communications. They specialise in high-definition communications at very low bitrates from the network edge. The proposed solution centers on the integration of cutting-edge high-definition, low-bandwidth geo-spatial video communication software, with computer vision (CV) technology. This concept aims to provide an innovative approach to asset tracking and management, particularly in geospatial contexts.

12:15 – 12:55	**Qascom (Italy)** Qascom is a high-tech provider of satellite navigation and cybersecurity solutions for space agencies and large space and defense industries. Qascom will be presenting different solutions they have developed. Robust GNSS receiver for drones and satellites; Galileo OSNMA module, to be used by third parties receivers; GNSS jamming and spoofing simulation; interference monitoring.
14:00 – 14:40	**Blue Dot Solutions (Poland)** Blue Dot Solutions is a space sector company which specialises in EO and GNSS data for urban development, mobility, civilian security, and agriculture. Blue Dot Solutions works under Horizon, ESA and commercial schemes with various partners across Europe. They will present a "multi-tool" approach to monitor GNSS signal quality and ensure an independent system measuring the quality of GNSS signal.
14:55 – 15:35	**SES TechCom (Luxembourg)** SES TechCom is a wholly owned subsidiary of SES that develops and delivers innovative and tailored end-to-end satellite-enabled solutions and services to governmental, institutional, and supranational partners and customers. SES will introduce its solution for secured communications services for Europe. This solution relies on an adaptative platform to fit the needs of customers, providing capacity from a multi-orbit constellation.
15:50 – 16:30	**GMV (Spain)** GMV designs ground and flight systems for a wide variety of space missions that provide positioning, navigation, communication, earth observation and security services. GMV will be presenting several devices and services. *PRESENCE2* is a full PRS receiver capable to navigate in GPS, Galileo OS and PRS. *ASGAARD* is a Galileo OS-NMA receiver that covers the last OSNMA ICD and is designed for maritime environment. Secondary Channel Concept is a system to distribute keys and navigation assistance information and recover receiver positions. Lastly, a solution to orchestrate the secure connectivity of FRONTEX assets and own network to additional

	air and/or satellital (MEO/LEO satellites+HAP) communication services.