

S.E.A. Brings RF Intelligence to the Air with the New SEA UAV Drone Platform

An autonomous, sovereign UAV system that detects, locates and maps signals from wireless devices and cellular networks — operable by a single person from one intuitive, web-based dashboard.



Paris, France — June 15, 2026. S.E.A. today announced the launch of the SEA UAV Drone Platform, the newest addition to its field-proven RF sensing product line. The system brings S.E.A.'s established detection, location and 3D-mapping capabilities into the air — giving government and military operators a fully automated, sovereign tool to understand the radio-frequency environment from above. The platform is being presented at Eurosatory 2026 [S.E.A. Datentechnik GmbH - Hall 6 EF 255]

Where a camera drone gives its pilot a live video feed, an RF signal received by payload is invisible — leaving the operator effectively flying blind. The SEA UAV Drone Platform solves this by making the invisible visible: AI direction finding on the payload feeds a data-fusion process on a small, rugged ground unit, turning raw RF into live, mapped target locations. Flight path, RF signals and detected emitters converge on a single operator screen — in nothing more than a web browser.

Built on a certified C5/C6 flight platform with a wireless live link and an operating range of up to 50 km, the drone carries modular, quick-release payloads that interchange in seconds:

- Cellular — up to 32 sensors in parallel, detecting and locating 2G/3G/4G/5G base stations and cell data
- Passive BLE / WiFi — covert detection and geolocation of smart devices, access points and other smart devices
- Advanced WiFi capabilities — additional modes restricted to authorized government use

A key differentiator is sovereignty: all AI processing runs locally on compact, on-premise models — with no cloud and no internet dependency — so data and mission remain fully under the operator's control, even in denied or air-gapped environments. Equally significant is the platform's operational simplicity. A complex RF-intelligence mission that traditionally required a drone pilot, an RF specialist and an analyst can now be planned, executed and evaluated by a single operator from one intuitive dashboard. The mission flies automatically under the supervision of an AI-driven ground station, while a safety pilot retains oversight. Everything — live drone status, flight path and the developing RF picture — is visualized in 2D, 3D and satellite views in real time.

"For years our customers have trusted S.E.A. to detect and locate RF signals on the ground. With the SEA UAV Drone Platform we give them the same proven capability in the air — autonomous, sovereign, and simple enough for a single operator to run. We have made the invisible visible," said [Dr. Sven Petersen, CEO], S.E.A.

The SEA UAV Drone Platform builds on S.E.A.'s extensive heritage with government security agencies. Its RF payloads derive from the company's established product line; the drone-integrated versions are currently completing certification and testing.

About S.E.A.

S.E.A. designs and manufactures RF equipment, tools and software for government and military use, specializing in the detection, location and visualization of cellular, WiFi and BLE signals. For many years, S.E.A. has equipped government security agencies and armed forces with sovereign-grade systems for cyber intelligence, counter-espionage (TSCM) and signals intelligence (SIGINT). Headquartered in Troisdorf, Germany.