

NEWSPACE MARKET · COMPANY PROFILE

HORIZON
TECHNOLOGIES

Horizon Technologies

United Kingdom · horizontechnologies.eu

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as of 20 August 2026



Horizon Technologies

Horizon Technologies is a UK-headquartered defence and intelligence company specializing in multi-domain signals intelligence (SIGINT) solutions for satellite phone monitoring and maritime domain awareness, with offices in Sonning (Berkshire, UK), Washington D.C., and Brno (Czech Republic). The company manufactures the BlackFish and BlackFishX airborne SIGINT systems — deployed across 23+ platform types by NATO and Allied intelligence agencies — and operates the Amber space-based maritime surveillance constellation, which passively detects vessel RF emissions including Iridium, Thuraya, and Inmarsat satellite phones and maritime radars from LEO. Horizon is prime contractor for the UK Government's Amber CubeSat SIGINT program, backed by the UK Space Agency under the IOD-3 Programme. The company's systems have been credited with contributing to the end of Somali piracy and the rescue of over 200,000 migrants in the Mediterranean.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Airborne Intelligence Solutions

Horizon Technologies provides airborne systems that geolocate and monitor satellite phone networks for intelligence, surveillance, and reconnaissance (ISR) missions.

Integrated System for Geolocating and Monitoring L-band Sat Phone Traffic

Horizon Technologies offers the capability to network its BlackFish™ and FlyingFish™ systems into a single integrated system for geolocating and monitoring L-band Sat Phone traffic.

Provision of Maritime Domain Awareness Data

Horizon Technologies Space provides space-based Maritime Domain Awareness data to government and commercial customers.

Space-based Maritime Intelligence Solutions (Amber™ constellation)

The Amber™ constellation provides subscribers with powerful space-based maritime domain awareness intelligence by detecting and defining RF emissions from vessels.

Terrestrial Intelligence Solutions (AmberPersistent)

AmberPersistent is a terrestrial real-time maritime intelligence system that augments coastal surveillance with data on Sat Phones, Iridium devices, radar signatures, and GNSS jamming.

Product catalogue



HORIZON TECHNOLOGIES

Amber Space-Based Maritime SIGINT Constellation

24-satellite CubeSat constellation providing 24/7 global maritime domain awareness via passive detection of vessel RF emissions — Iridium, Thuraya, Inmarsat, and radar signatures.

Constellation size	24 planned CubeSats
Continuous coverage area	12 million km²
Satellite footprint	2.6% of Earth's surface per satellite
Collection frequency	3–12 looks per day per area (single satellite)
Operating cadence	24/7, no tasking required
Signals detected	L-band satellite phones (Thuraya, Iridium, Inmarsat), X-band and S-band maritime radar, AI
Coverage options	Regional, EEZ, or global

price on request



HORIZON TECHNOLOGIES

BlackFish Airborne SIGINT System

Passively cooled SDR-based airborne SIGINT system for simultaneous Iridium, Thuraya, and Inmarsat satellite phone interception — DO-160 qualified, 23+ platform types, ~100 deployed

Architecture	Software Defined Radio (SDR) with CPU and GPU processing
Cooling	Passive (no moving parts)
Airborne certification	DO-160 qualified
Channel capacity	60 duplex / 120 simplex channels simultaneously
Intelligent channel management	Up to 3,200 channels
Networks monitored	Iridium, Thuraya, Inmarsat (simultaneous tri-band)
Uplink interception range	Hundreds of kilometres

price on request

Contact Horizon Technologies

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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