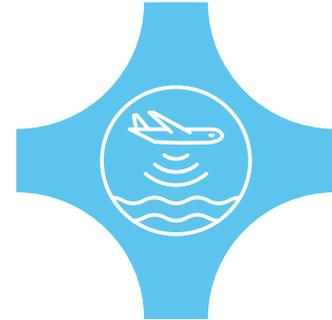


# QUASAR®

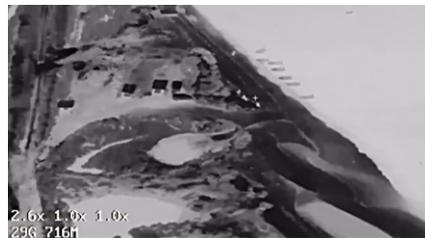
## Beyond Visual Line of Sight surveillance for remote maritime monitoring



**QUASAR is our solution to deliver data from airborne sensors using Uncrewed Aerial Vehicles (UAVs).**

We partner with experienced UAV providers developing aircraft for maritime security and marine management tasks. QUASAR operates to deliver data within the Exclusive Economic Zone (EEZ), enabling fusion and seamless integration with INSIGHT™—our secure portal that allows users to visualise and interact with the information through a suite of powerful features.

**Delivering data from Uncrewed Aerial Vehicles**



## Aerial Data, Delivered in Near Real Time

**QUASAR** uses smart processing at the edge to provide low latency, very near real time data feeds to INSIGHT, from a ground station using a satellite command and control system. We have engineers, software developers and operational experts who can prepare, train or operate QUASAR globally.

By operating Beyond Visual Line of Sight (BVLOS) in non-segregated airspace, QUASAR can be deployed at greater range. We exploit smart edge processing to detect and classify contacts then respond to vessels of interest in flight, sending information and imaging in near real time, at a much lower operating cost than crewed aircraft.



 **Sirius Insight**  
Transforming Maritime Understanding

**Trusted by the  
UK and other  
governments**

### Sirius Insight® users include:

- Home Office (Joint Maritime Security Centre, Royal Navy, Marine Police, Coastguard, Border Force)
- Foreign, Commonwealth and Development Office
- Department for Fisheries and Rural Affairs (Marine Management and Fisheries)
- UK Overseas Territories (Marine Police)
- Crown Dependencies (Coastguards)
- SaxaVord Spaceport
- National Coastwatch Institution
- Shipping insurance companies (Protection and Indemnity)

## QUASAR capabilities include:

- Forward-looking static EO/IR camera for wide swath surface picture compilation
- High definition, EO/IR pan-tilt-zoom camera enabling real-time geo-pointing and geo-location capabilities to locate and track contacts accurately
- Automated Identification System (AIS)
- Automatic Dependent Surveillance-Broadcast (ADS-B)
- Radio Frequency (RF) receivers
- Sensors for emissions testing



 **Sirius Insight**  
Transforming Maritime Understanding

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