

QINETIQ



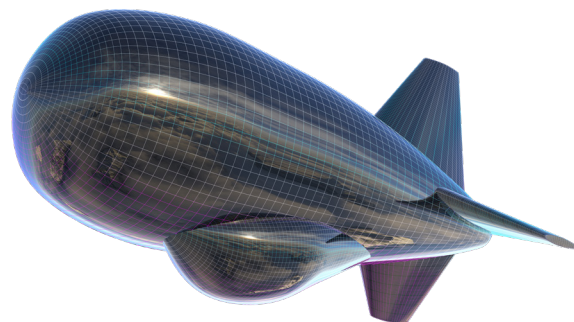
QinetiQ US Aerostat Solutions: Proven, Reliable, and Persistent Surveillance

Adaptable and Cost-Effective Aerial
Platforms for Military, Homeland Security,
and Commercial Applications.

Proven Aerostat Solutions for National Security and Defense

QinetiQ Aerostat systems are state-of-the-art tethered platforms designed to deliver persistent surveillance and communications capabilities for a wide range of missions. Our aerostats offer long-endurance operations and customizable payloads, providing real-time intelligence for military, homeland security, and civilian needs.

QinetiQ's expertise in aerostat technology and operations provides consistent surveillance and intelligence capabilities for a multitude of defense and national security missions. Our advanced systems offer persistent multi-domain awareness, including detection of air, ground, maritime threats and Class I/II/III UAVs, with payloads reaching altitudes of 15,000 feet.



Applications of QinetiQ Aerostat Systems

Military & Defense

- **Battlefield Surveillance & ISR:** Real-time intelligence gathering and reconnaissance for enhanced situational awareness.
- **Communications Relay:** Ensure uninterrupted communications in remote or challenging terrains.
- **Border Protection:** Effective monitoring and tracking of threats across national borders.

Homeland Security & Civilian Use

- **Critical Infrastructure Protection:** Monitor sensitive assets such as oil refineries, power plants, and transportation hubs.
- **Disaster Response & Recovery:** Provide rapid deployment of communications and surveillance capabilities in emergency situations.
- **Coastal & Maritime Surveillance:** Monitor vast coastal regions, ports, and waterways for enhanced security and safety.

Key Features and Benefits

Up to 30 Days of Continuous Deployment: Ideal for long-duration missions, offering unmatched endurance and operational efficiency.

Customizable Payloads: Supports a variety of sensors including EO/IR cameras, radar, and communications relays to meet diverse mission requirements.

Cost-Effective Operations: Reduced maintenance and energy savings compared to drones or manned aircraft, ensuring surveillance capability at the lowest cost per flight hour for persistent surveillance.

Rapid Deployment & Mobility: Easily deployed and retrieved, even in remote or challenging environments, to provide immediate situational awareness.



Photo Credit: Tethered Aerostat Radar System Optimization [Image 5 of 7],
by Debora Henley, identified by DVIDS

Department of Defense (DoD) visual information does not imply or constitute DoD endorsement.

Why Choose QinetiQ Aerostat Solutions?

Adaptable Solutions

Our aerostat platform is designed to be flexible, allowing for easy integration with various sensor types.

Integrated Solutions

We are the only company operating multiple strategic/tactical class aerostats within an integrated border system.

Dependable Performance

With more than one million flight hours, our best-in-class, proactive, approaches reduce downtime and operational costs.

Turnkey Operations

Our Aerostat operations utilize Secure, Persistent & Aware Data Ecosystem (SPADE), to maximize mission success. SPADE provides comprehensive insights and analytics to support decision-making by simulating and evaluating different operational scenarios. Multiple data sets are integrated to proactively optimize mission planning and outcomes. This includes:

- **Decision-Support Engine:** SPADE simulates complex mission environments, enabling decision-makers to assess different scenarios and optimize resource allocation of personnel, equipment and infrastructure – ensuring organizations can meet their objectives effectively.
- **Scenario Planning:** It provides a detailed simulation environment to test various scenarios to allow defense and security organizations to evaluate the potential outcomes of different strategies before deployment.
- **Operational Risk Assessment:** SPADE assists in assessing risks with various strategic or tactical decisions, providing decision-makers with necessary information to enhance mission success.
- **Integration with Existing Systems:** SPADE integrates with existing defense and security systems making it a flexible tool that enhances current capabilities.

Comprehensive Services and Consortium Strength

QinetiQ offers a full range of services to ensure the success of your aerostat operations. Our dedicated team provides end-to-end support, ensuring your mission requirements are met efficiently and effectively.

Our Services Include:

- **Mission Planning & Consultation:** Expert guidance on how to best deploy aerostats to achieve mission objectives.
- **System Integration & Customization:** Tailored solutions that integrate advanced sensors and communication tools specific to your operational needs.
- **Operations & Data:** Secure Persistent & Aware Data Ecosystem (SPADE) is QinetiQ's near real-time data ecosystem delivering cutting-edge data integration applications across a diverse set of missions. SPADE can integrate multiple data sets to proactively optimize mission planning and execution.
- **Training & Field Support:** In-depth training programs for operational teams, along with on-site technical support to ensure seamless operations.
- **Maintenance & Lifecycle Management:** Comprehensive maintenance services to extend the lifespan and efficiency of your aerostat system, ensuring they remain mission ready.

Our Commitment to You

QinetiQ's full-service approach means that we are with you from **design to deployment and beyond**, offering continuous support throughout the life of your aerostat system. Our team of experts ensures your system is always operational, reliable, and tailored to meet evolving mission requirements.



QinetiQ is proud to lead **Team ACES**, a consortium of global aerostat experts providing tailored defense solutions.

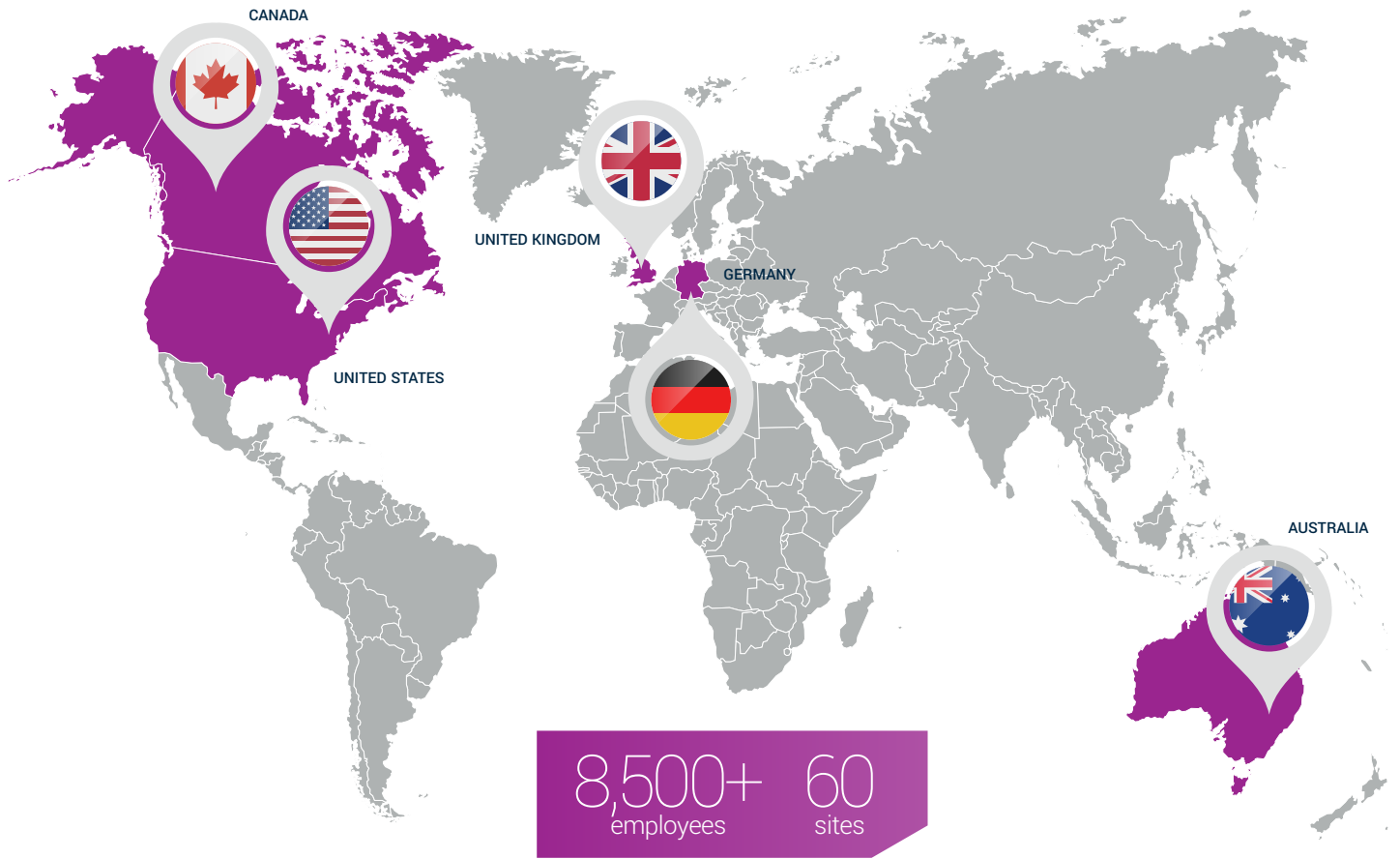
Proven Results: Integrated Border Surveillance with QinetiQ Aerostats

QinetiQ US is proud to provide mission operations and analytic support for a critical border U.S. surveillance program, delivering 24/7 high-altitude monitoring across challenging terrains. Our aerostat solutions play a key role in detecting and intercepting threats like smuggling, illegal crossings, and unauthorized UAVs, proving their reliability and effectiveness in integrated border security and defense operations.



Photo Credit: CBP Aerostat B-Roll, by Daniel Barrios, identified by DVIDS
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Delivering Persistent, Adaptable, and Reliable Aerostat Solutions Across the Globe.



2.5x growth over 8 years;
c. £1.9bn revenue

World-leading science, technology
and engineering expertise;
c. 8,500 people

Relevant strategy; global
leverage, distinctive offerings,
disruptive innovation

Positioned to accelerate and
assure capability insertion for
NATO and the Australia,
United Kingdom, and
United States partnership

Ready to elevate your surveillance
and communication capabilities?

Contact us today to learn how QinetiQ Aerostat Solutions
can be tailored to meet your mission needs.

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