Surveillance and Security Systems

Company Overview

Ultra ELECTRONICS | **Surveillance & Security Systems**

Company Overview

Ultra Electronics Surveillance and Security Systems is an Ultra Electronics business that provides overt and covert surveillance systems through the integration and management of high tech sensors, vessel tracking, mapping and video display systems, as well as recording capabilities for voice, video, operator screens and network data.

These systems provide situational awareness, monitoring, tracking, perimeter surveillance, offshore platform protection through collision prevention, border and coastal surveillance, critical infrastructure perimeter security, and information intercept.

Solutions

- Offshore Asset Protection
- Defence
- Mass Interception
- Port and Coastal Safety and Security
- Border Security
- Air Traffic Control

Offshore Asset Protection

SAFETY, SECURITY & LOGISTICS MANAGEMENT

Safety and security of surface and underwater assets and personnel are critical to offshore operators. Ultra S³ supply surveillance systems that monitor these critical assets and personnel to reduce the risk of damage from accidental collisions and targeted attacks.
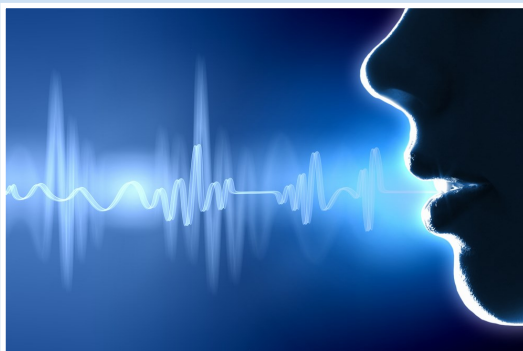
- Collision risk management
- Sub sea asset and pipeline protection
- Pipeline security surveillance
- Noise pollution monitoring
- Security threats monitoring and alerts
- Rescue and incident response coordination
- Man overboard panic alarm warning system
- Logistics coordination and planning

Defence

ADVANCED COVERT SURVEILLANCE INTELLIGENCE

Advanced portable and static defence surveillance solutions that meet the current and future monitoring needs of modern warfare.
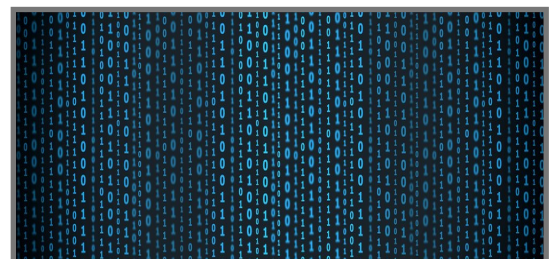
- Deployable and portable rugged surveillance systems with optimized size, weight and power to support challenging environments

- Complete situational awareness provides actionable information to allow operators to make timely and informed decisions

- Open architecture to prevent vendor lock-in

- Integration of a wide range of legacy/modern analogue and digital sensors

Mass Interception

SCALABLE SURVEILLANCE AND ANALYSIS

Distributed solution to collect, monitor and analyse voice and data networks to provide national governments with increased intelligence regarding threats from terrorists, drug traffickers, money launders, kidnappers, hijackers and white collar criminals.

- Mass interception capabilities to allow Law Enforcement Agencies to gather intelligence

- Advanced voice biometrics to identify persons-of-interest in real-time and retrospectively

- Suitable for GSM, LTE, CDMA, IP, PSTN networks

About Ultra Electronics

Ultra Electronics is a group of businesses which manage a portfolio of specialist capabilities, generating highly differentiated solutions and products in the defence & aerospace, security & cyber, transport and energy markets by applying electronic and software technologies in demanding and critical environments to meet customer needs. Ultra has world-leading positions in many of its specialist capabilities and, as an independent, non-threatening partner, is able to support all of the main prime contractors in its sectors. As a result of such positioning, Ultra's systems, equipment or services are often mission or safety-critical to the successful operation of the platform to which they contribute. In turn, this mission-criticality secures Ultra's positions for the long term which underpins the superior financial performance of the Group.

Ultra offers support to its customers through the design, delivery and support phases of a programme. Ultra businesses have a high degree of operational autonomy where the local management teams are empowered to devise and implement competitive strategies that reflect their expertise in their specific niches. The Group has a small head office and executive team that provide to the individual businesses the same agile, responsive support that they provide to customers as well as formulating Ultra's overarching, corporate strategy.

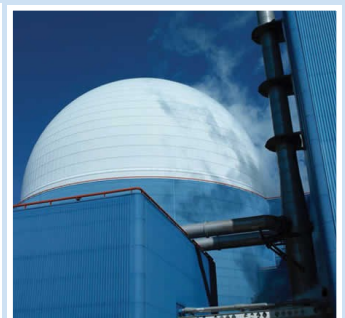Across the Group's three divisions, the major market sectors in which Ultra operates are:

Defence & Aerospace	Security & Cyber	Transport	Energy

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Port and Coastal Safety and Security

PROTECTING PORTS AND SEA BORDERS

Ultra S^3 protect ports, harbours and coasts from malicious acts by terrorists, the illegal transportation of goods, illegal immigration, people and drugs trafficking, and cargo theft.

- Land surveillance to monitor for suspicious activity

- Monitoring of port safety to ensure safe passage of hazardous goods

- Maritime domain awareness to detect smuggling, people trafficking, terrorism, and threats from unknown vessels

- Major incident response management to allow multiple agencies to plan, coordinate and respond to major incidents

Border Security

PROTECTING LAND BORDERS AND MILITARY PERIMETERS

Ports and harbours are critical to the economies of many countries. Due to the value of goods that pass through them and their strategic locations, they are constantly under threat from terrorists and other criminals.

- Monitoring land borders for people trafficking, drugs smuggling and the illegal movement of goods

- Detecting potential attacks to military bases

- Long range monitoring to detect approaching threats

Air Traffic Control Recording

POST-INCIDENT ANALYSIS OF MAJOR INCIDENTS

Recording of air traffic control activity to meet regulatory requirements, support post-incident investigations and for training purposes.

- 500,000 recording channels deployed, 1,000,000,000 recording hours, 30 countries

- Evidentially proven and legally admissible recordings of audio, radar, video and operator screens

- Simultaneous playback of all channels during event reconstruction

Capabilities

Sensor Integration
Complex surveillance solutions require the integration of a wide variety of sensors including radar, cameras and sonar. As a result of many years of development, Ultra S^3 has a deep understanding of integration best practices and an advanced software platform to support successful integration.

Recording & Analysis
Ultra S^3 has significant experience in the recording, storing and analysing of voice and data traffic which is critical to providing lawful intercept and air traffic control recording solutions.

Incident Planning and Management
Integrated planning and workflow management software is key to supporting responses to major incidents. Ultra S^3 has experience in deploying integrated solutions to help support many large events.

Cyber Security Integration
Through a combination of strategic partnerships with key security vendors including other Ultra Group businesses and extensive integration knowledge, Ultra S^3 delivers a comprehensive range of cyber security protection allowing organisations to protect their critical network infrastructures.