Intelligence Exploitation Systems

UTC Aerospace Systems
Our success is founded on excellence in every dimension: in our products, in our team members and in the way we do business. We deliver the technology our customers require today, with a focus on developing even stronger skills and technologies for tomorrow.

UTC Aerospace Systems designs, develops, manufactures, integrates and supports systems and software for operational ISR (intelligence, surveillance, and reconnaissance) imagery exploitation and intelligence data management. We bring the right people with the right skills and authority together at the right time to efficiently solve problems using a short, dynamic command chain. Close involvement with the customer at all times is vital. An open relationship is essential to building mutual understanding and trust, leading to more effective co-operation to achieve shared goals.

Information is derived from data collected by multiple intelligence sources on a variety of ISR platforms.

A key challenge facing military operations is providing actionable intelligence to military commanders and their political leaders, when they need to make a decision – achieving this is the task of the intelligence cycle.

UTC Aerospace Systems provides products and systems that employ and assist the warfighter through the ISR process:

**Direction:** management of resources and processes to deliver actionable information and intelligence to decision makers.

**Collection:** gathering data to support answering questions.

**Processing:** analysis and exploitation of collected sensor data to derive actionable information and intelligence.

**Dissemination:** delivery of the information and intelligence to appropriate decision makers and end-users.
UTC Aerospace Systems ground station 'product line' is very well established – proven and reliable.

**Functionality:**
- Exploitation Management
- Data Receipt
- Video Standards Conversion
- Data Processing
- Data Exploitation
- Intelligence Production
- Intelligence Dissemination
- Collateral and Information Management

**Benefit:**
Modular architecture can be organized to match customer facility, mobility and CONOPS requirements.

UTC Aerospace Systems core technologies include:
- Georeferencing
- System security
- Networking
- Collaborative working
- Mapping using open GIS standards
- Databases; image display; data formats
- ISR architectures

**Intelligence Reference Library (IRL)**
The Goodrich ISR Systems Intelligence Reference Library (IRL) provides a network-centric cataloging solution for information management and dissemination. The IRL enables the storage, search and retrieval of multi-intelligence primary data (IMINT, ELINT, SIGINT, etc.) and secondary intelligence products (imagery, mapping, reports, etc.)

**DACAR – Airborne Intelligence Reference Library**
The UTC Aerospace Systems DACAR is the Airborne Server for a Network-Enabled, Imagery On-Demand ISR system. Aircraft pod mounted, the DACAR is the answer to the ISR industry need for more persistent surveillance, where the data is still available for exploitation in real-time, but over lower-bandwidth links.

DACAR can store a variety of sensor data in its STANAG 4559 and NATO CSD compliant Intelligence Reference Library, and then only transmits it on an 'as-needed' basis using bandwidth-efficient techniques.

DACAR makes the stored data available to a network over standard Ethernet interfaces, which can be connected to various ground exploitation systems via a satellite communications link, for example.
Through-Life Integrated Logistics Support
UTC Aerospace Systems is committed to providing support throughout the life of your program. We deliver more than just ISR products; we can supply a customized logistics support package tailored exactly to your requirements, from concept through disposal, taking into consideration factors such as obsolescence and risk factors. As part of our through-life integrated logistics support, ISR Systems offers various levels of field-service engineering support ranging from telephone assistance to on-site contractor logistics support (CLS) located at customer facilities. Our support package can also include customized training of customer personnel, and technical publications for full system operation and maintenance.

ISR Systems supports all stages of the CADMID cycle:

Concept:
UTC Aerospace Systems understands ‘CONOPS’ and helps the customer define their requirements.

Assessment:
we assess and identify an acceptable balance of time, cost and performance for programs.

Demonstrate:
as proven during Trial Falcon Prowl (JUEP), ISR Systems can undertake progressive reduction of development risk; meets performance targets.

Manufacture:
we deliver acceptable solutions to meet military requirements.

In-Service:
we provide effective support to the Front Line, and timely delivery of any agreed upgrades.

Disposal:
we support the efficient, effective and safe disposal of the equipment.

UTC Aerospace Systems is a Customer- and Mission-Oriented Company:
We specialize in analysing problems, evaluating scenarios, defining requirements, and identifying cost and operationally effective mission systems.