

OUR WORLD IS FACING GROWING THREATS AND MORE THAN EVER, THERE IS A NEED FOR ALL DEFENSE, INTELLIGENCE, SECURITY AND SURVEILLANCE AGENCIES TO VISUALIZE A TACTICAL SITUATION IN REAL TIME WHEN PERFORMING DEFENSE MISSIONS, SEARCH AND RESCUE, BORDERS SURVEILLANCE, OR HOMELAND SECURITY.

In order to comply with these requirements, NEXEYA developed the ARGOSIA PRODUCTS FAMILY which offers a range of Airborne Surveillance Mission Management Systems.

ARGOSIA enables to establish a consolidated tactical picture in real time thanks to sensor-generated data fusion, and to share this situation with other units.

This immediate access to vital information is reached through 3 levels of operational configuration (ARGOSIA 50 POD, ARGOSIA 100 and ARGOSIA 200) capable of covering maritime and overland surveillance, to provide advanced IMINT and SIGINT capabilities.

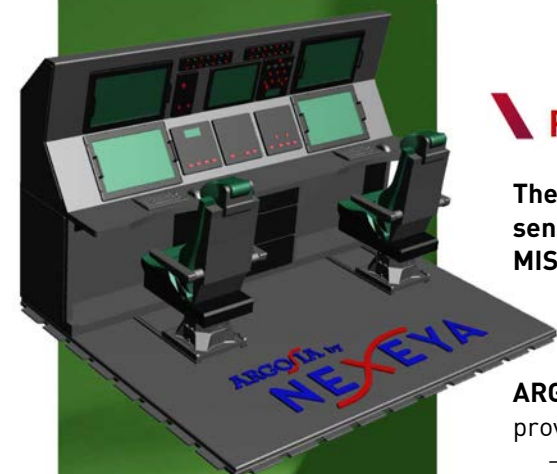
PRESENTATION

The ARGOSIA Mission Management System is a versatile, customizable, multi-sensor and multi-console solution, tailored for AIRBORNE SURVEILLANCE MISSIONS OVERLAND or at SEA.

ARGOSIA results from an optimized approach based on the use of state-of-the-art proven equipment. ARGOSIA functionalities cover:

- Mission planning and pre-flight processing
- Multi-Sensor integration: EO/IR tracking system, Maritime or Ground search Radar, AIS transceiver, IFF interrogator, ESM receiver, COMINT scanner, etc.
- Sensors control and display
- Communications management: Intercommunications system, HF and V/UHF COMSEC voice radios, encrypted LOS (broadband UHF, L/S/C bands) or BLOS (SATCOM) Data Link, Tactical DL (L11, L16, etc.)
- Real-time Tactical picture compilation resulting from sensor-generated data fusion, mission software decision-support tools and mission planning resources
- Graphic User Interface with multi-layer technology, moving map, and standardized warfighting symbology
- Mission data and multimedia recording for in-flight back-up and post-flight replay and analysis
- Back-up modes

ARGOSIA allows aircrews to share a Consolidated Common Tactical Picture in real time with remote authorities at land or at sea.



MULTIPLE CONFIGURATIONS

ARGOSIA is a scalable, customizable solution ranging from a lightweight configuration for small platforms, up to full capable solutions for heavy ISR-dedicated aircraft.

The ARGOSIA family proposes 3 versions, all of them providing mission computers and storage server:

ARGOSIA 50: Wireless POD equipped with a NATO 14" carriage system, hosting a small-platform-compatible payload, where volume and weight are essential:

- Cockpit tablet display
- Lightweight sensors (EO/IR, Radar, AIS...)
- Remote control of sensors from cockpit or ground station
- Secure HD Downlink LOS data link (Uplink optional)

ARGOSIA 50 is especially designed for one-pilot aircraft, light helicopters and UAV's conducting Civilian, Law Enforcement or Defense missions (EMB-312, TBM-900, AT-802...)

ARGOSIA 100: Single-workstation solution for light ISR platforms, able to integrate on request:

- Rugged, HD, touch-screens, keyboard and trackball
- Advanced SIGINT systems: DF, COMINT, ESM
- RADAR full capabilities: Maritime search, ISAR, GMTI, SART and Weather modes

ARGOSIA 100 is designed for light to medium aircraft or helicopters (C-212, BE-350, DO-228, DHC-6...)

ARGOSIA 200: Multi-console (2+) capabilities combining active and passive sensors and full COMMS suite:

- HF and V/UHF secure voice radios
- Extended Data Link solutions (LOS, BLOS, TDL)
- Wide array of C4ISR-oriented sensors

ARGOSIA 200 is designed for heavier platforms (CN235, C295, C130, C160, R99, ATR72, ATR42...) with higher power supply capabilities, in renewal or recapitalization programs.

ADAPTING TO NEEDS

A special effort was made in hardware choice and software design, combining performance, reliability and ergonomics for users, accessibility for maintainers, and safety of personnel.

- Compliance with all required common standards (MIL-STD-8591 / 461 / 471 / 810 / 1472 / 2525 / 38999, DO160, etc.)
- Workstations exchangeability
- Open architecture adaptable to current and future requirements

ARGOSIA 100 and 200 can be designed for permanent integration or as a palletized "Roll-in / Roll-out" solution maintaining aircraft versatility.



NEXEYA
Let's merge our talents

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