



OMNIA security on the Laura Bassi ship

Onboard video surveillance for scientific research

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OVERVIEW

The Omnia solution implemented on the Laura Bassi ship has revolutionized onboard video surveillance, providing comprehensive control for scientific, operational, and security activities.

GENERAL SPECIFICATIONS – LAURA BASSI

- Length: 80 m
- Width: 17 m
- Tonnage: 4,028 tons
- Type: SPS Icebreaker

CARGO AND TRANSPORT CAPACITY

- Crane: 50 tons at 10 meters
- Hold capacity: 3,000 m³
- Flight deck for Super Puma helicopters

ACCOMMODATION CAPACITY

- 72 people, including crew
- 50 berths for scientific staff

CLIENT



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The **OGS** (National Institute of Oceanography and Applied Geophysics) is a public research institution supervised by the Ministry of University and Research (**MUR**).

It conducts studies in earth sciences, marine sciences, and polar research, contributing to the advancement of scientific knowledge. OGS owns the R/V Laura Bassi, an icebreaker research vessel supporting the National Antarctic Research Program (**PNRA**).



Scientific Research



www.ogs.it/en/research-vessel-laura-bassi



Italy



By displaying cameras on the ship's **technical blueprint**, video monitoring of key areas has become **more intuitive and efficient**.

CHALLENGES



In extreme environments, the reliability of onboard systems is critical - not only for emergency management but also for supporting daily operations, where every detail matters. On the Laura Bassi, **traditional video surveillance standards have been surpassed** with an Arteco solution **specifically designed for maritime needs**.

SOLUTIONS



The **immediacy of image visualization** and the **logical organization of cameras** have enabled the creation of **customized environments** within the VMS, **tailored to the diverse roles onboard**.

The **map function**, featuring camera overlays, has proven particularly useful for scientific, operational, and security personnel.



Throughout my career, I have designed numerous video security and thermal imaging systems for commercial ships and mega yachts, but the challenge aboard the Laura Bassi required an even greater effort. Unlike any other vessel, the R/V Laura Bassi demanded a high level of research, selection, and technical expertise in choosing the right products. Together with Arteco and its team, we successfully created a solution tailored to the ship's unique requirements. Thank you, Arteco!

Massimo Ferri

E-Nav srl, PM, Video Security and Thermography specialist

KEY BENEFITS



1

Instant Monitoring

Smooth access to both live and recorded video streams.

2

Immediate Access

Quick identification of camera locations with instant selection of the desired live feed.

3

Total Control

Full awareness of camera distribution and visibility across the vessel.