

President of the
Regional
Government of
the Azores,
José Manuel
Bolieiro,
June 28th, 2023

"This multidisciplinary scientific research vessel aims to provide the Region with a technological platform for accessing the deep sea of the central North-East Atlantic, with particular focus on the Exclusive Economic Zone of the Archipelago."



Regional
Secretary for the
Sea and Fisheries,
Mário Rui Pinho,
June 16th, 2024.

"The vessel will operate, equipped to the highest level in the technological field, and will serve a purpose beyond just the Azores Sea, becoming a 'true asset for the entire country'."

"The ocean as a true economy of the future"

Regional Secretary for the Sea and Fisheries, Mário Rui Pinho



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NI AZORES OCEAN



GOVERNO
DOS AÇORES



REPÚBLICA
PORTUGUESA



Financiada pela
União Europeia
NextGenerationEU

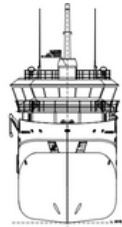
Crew



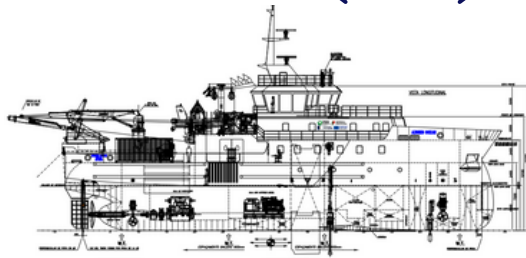
12 Crew Members



10 Scientists



10,5



46



Bv Class I **✘Hull**
✘Mach,Special
Service-Research
Vessel,
Unrestricted
Navigation,
Dynapos Sam,
✘Aut-ums, Mon-
Shaft, Cleanship
Inwatersurvey,
Greenpassport EU,
Comf-Noise 2,
ComfVib 2, Smart,
Internal Conectivity

Vision

Ensure the best possible conditions for scientific research, leading to the acquisition of more and better scientific knowledge, enabling the creation of opportunities and securing a truly future-oriented economy through the promotion of the sustainable use of the oceans.

Capabilities

- Operational autonomy up to 4,000 miles / 15 days of operation;
- State-of-the-art diesel-electric propulsion (less 90% NOx);
- High-resolution mapping and bathymetry, up to 5,000 m depth;
- Prospecting, monitoring and biological exploration with superior quality;
- Collaboration in the formation of maritime and scientific assets;
- Accommodation capacity with cabins for maximum capacity (30), classrooms, laboratories (dry and wet) and data center, integrated with a communications system;
- Missions to support the entire spectrum of the Blue Economy – maritime archaeology, renewable energy, submarine cables, aquaculture, diving, among others.

Ambition

- Multipurpose vessel, designed as a Taylor-made project, establishing itself as the benchmark for national maritime scientific research;
- Advanced standards and technological resources;
- High energy efficiency (IMO Tier III);
- Integrated information environment (Kongsberg standard);
- Permanent broadband data reception, processing, and transmission capabilities;
- Operational capacity for ROVs, AUVs, trawling (fisheries biology), and equipment deployment/recovery.

Equipment

- Information Management System - Kongsberg Geomatics;
- Synchronization System -Kongsberg K-SYNC;
- Scientific Sonar - Kongsberg EK80 18, 38, 70, 120, 200, 333 kHz, ADCP 150 kHz, WBAT 38, 70, 200 e 333 kHz;
- Sonar – Kongsberg SU90;
- Multibeam probe (10 m a 7000 m) - Kongsberg EM304 (1x1);
- Multibeam Probe (10 m a 500 m) - Kongsberg EM2040 MKII;
- Substrate Profiler - Kongsberg TOPAS PS18;
- Acoustic Positioning - Kongsberg HiPAP 502;
- Attitude Sensors -SEAPATH 380/R3;
- Trawl Net Monitoring System with Sonar – Kongsberg PX/TV80 e FX80;
- Automatic Water Sampling System - FERRYBOX;
- Meteorological Station -VAISALA.