

Project File: The Keary Project

The design and build of Ireland's coastal hydrographic / geophysical research vessel



MARITIME MANAGEMENT



Ship:
RV Keary

Client:
Geological Survey of Ireland
IMAR Survey

Ship Type:
Research Vessel

Job Category:
Consultancy / Newbuilding

In the RV "Keary" project, **Maritime Management** recommended a catamaran design which was modified for the employment of multibeam echo sounders and its special operation. For the building of the vessel, **Maritime Management** negotiated a contract with the shipyard and executed the building supervision.

The task at hand was to design and build a purpose built catamaran survey vessel and equip it with state of the art surveying instruments for operations in shallow waters around the coast of Ireland.

The keel of the "Keary" was laid in 2008 and the vessel was delivered later the same year.

The 15m fully equipped and state of the art hydrographic and geophysical vessel is used to deliver survey data that will meet all required international survey specifications. The survey equipment includes a multibeam echo sounder for imaging the seabed, GPS navigation, side scan sonar, seabed profiler and an automatic identification system.

The "Keary" is named after the late Ray Keary of the Geological Survey of Ireland who for years had quietly championed the value of Ireland's marine resources.



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Operation area:
Coastal Ireland

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Particulars:

- Length (OA) - 15.5m
- Length (Hull) - 14.6m
- Beam (moulded) - 5.6m
- Draft - 1.7m
- Engines - Cummins QSC 8.3-500 INT
- Rating - 368kW / 2600rpm
- Speed (90%) - 22kn
- Hull Type - Asymmetrical catamaran
- Construction - Marine Grade Aluminium
- Equipment - Simrad EA400 singlebeam, Simrad 3002D Multibeam, USBL, GPS systems, Applanix POS-MV, CHIRP, Single Beam, Quincy Navigation software, AIS, SOLAS, Radar, AutoPilot
- Seabed Sampling - SeaRay Remotely Operated Vehicle Equipment



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The Watson & Johnson Centre
Church Road, Greystones, Co. Wicklow, Ireland
P +353 1 255 7440 F +353 1 255 7454 E info@bmml.ie