

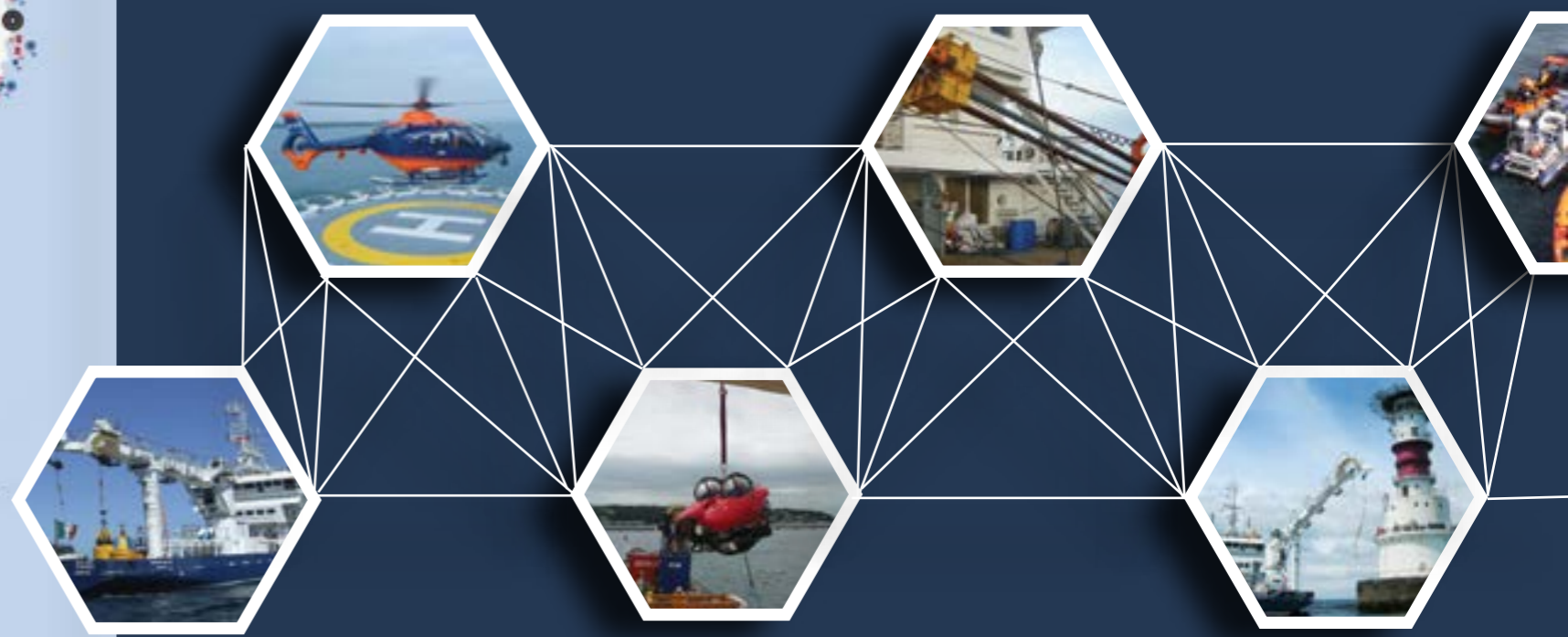


Commissioners of Irish Lights

CIL provide and maintain reliable, cost effective and efficient aids to navigation around the coast of Ireland. We operate in some of the most severe marine environments and our skills in this vital area have been built up over 200 years of service to the mariner. Safety of Navigation is dependent on the reliability of our equipment and services and we are proud to offer this level of service and reassurance to all our customers.



- Lighthouses**
 CIL maintains 73 lighthouse structures around the coast of Ireland. Many are fitted with low energy new technology light sources enabling them to be powered from renewable energy sources. 8 helipads are strategically located to service the offshore lighthouses. High pressure fuelling facilities are available at Castletownbere and Blacksod helipads for search and rescue (SAR) operations.
- Buoys**
 All buoys are solar powered with three supplemented by wave actuated generators. The buoys use LED lanterns for the navigational light. Buoys of primary navigational importance are fitted with an Automated Identification System (AIS). Met Hydro information may be transmitted from the buoy via the AIS unit.
- e-Navigation**
 CIL have implemented AIS technologies for Aids to Navigation (AtoN) monitoring and traffic analysis. This service provides position, status and condition information in relation to AtoN while the traffic analysis plots traffic patterns. 3 DGPS stations form part of the GLA DGPS network of 14 stations and provide a GPS integrity and accuracy improvement service for waters within 50nm of the coast.
- Dun Laoghaire Facility**
 A single integrated site at CIL, Dun Laoghaire hosts the administration, marine, engineering and ICT services. The facility includes workshops, stores and a buoy yard fabrication and maintenance facility.
- Commercial Services**
 CIL provides commercial contract services in a range of areas including chartering Granuaile for marine operations, buoy maintenance and property/tourism related activities.



ILV Granuaile Offshore Services

Commissioners of Irish Lights
 Harbour Road
 Dun Laoghaire
 Ireland
 Contact: www.cil.ie
 +353 1 271 5400
 info@cil.ie
 Captain Harry McClenahan

Adaptable vessel offering marine support services



ILV Granuaile

Granuaile is a versatile Class 1 DP vessel with a large working deck and proven capabilities in a wide range of operations.



CLASS

Lloyds 100A1, + LMC + UMS + DP Class 1- ISM Certification

Gross Registered Tonnage:	2,625t
Net Registered Tonnage:	787t
Operational Draft:	4.4m
Length:	79.69m
Breadth Moulded:	16.10m
Normal Service Speed:	10 Knots
Aft Deck Area:	300m ²
Container Capability:	16 TEU Single Stack

PROPULSION

2 x 1,100 Kw Indar Variable speed AC motors driving
2 x Schottel rudder type thrusters
1 x 1,100 Kw Indar Variable speed Bow thruster.
(Elliot White Gill Jet)

EQUIPMENT

Specialised buoy and mooring handling equipment including hydraulic ram chain guides and stoppers.
20t (20m outreach) heave compensated crane with two independent falls.
30t SWL towing winch
2 x 15t capstans
2 x 5t tugger winches
2 x 8m heavy duty timber workboats with passenger licences
1 x 8m fast RIB with passenger licence

Services
Features & Facilities

- ROV Pipeline/Platform member inspections
- Cable Route Survey
- Hydrographic and Seismic Surveying
- Vibracore Sampling
- Diving Support for Salvage/Wreck Inspection and Filming
- Deployment and Maintenance of Buoys (AtoN & ODAS)
- Recovery and Deployment of Offshore Devices
- Oil Spill Response and Containment
- Standard and Emergency Towing
- SAR Coordination and Response
- Helicopter Land-on and Under-slinging
- Marine Equipment Testing



- Large tweendeck and lower hold spaces for storage
- Class 1 Dynamic Positioning System
- Integrated Bridge Management System
- Hydrographic Surveying Suite including track guidance and post processing capabilities
- Three point mooring for diving operations
- Step down area for diving or boarding devices
- Forward helicopter flight-deck with fuelling facilities
- Under-slinging area at stern
- Interring Anti-Roll system for operational durability and comfort
- 40t Bollard Pull
- Moon Pool (0.5m diameter)

- Crew of 16
- Overnight accommodation for an extra 11 personnel
- Life Saving Appliances for 39 persons in total
- Large conference room
- Recreation room and facilities
- Two mess rooms
- 26 en suite cabins



Marathon Oil Company
RFD Beaufort
UK Ministry of Defence
Dublin & Belfast Ports
University College Cork
GE Wind Energy
Marine Institute
Naval Service

ROV Member Inspection
Life Saving Appliance Testing
Met Buoy Maintenance
Buoy Maintenance
Ground Sampling - Vibracore
Renewable Energy Site Marking
Hydrographic and Seismic Surveying
Diving Support & ROV Deployment

Professionally Qualified and Experienced Crew
24/7/365
State of the art equipment



Particulars

Satisfied Customers