

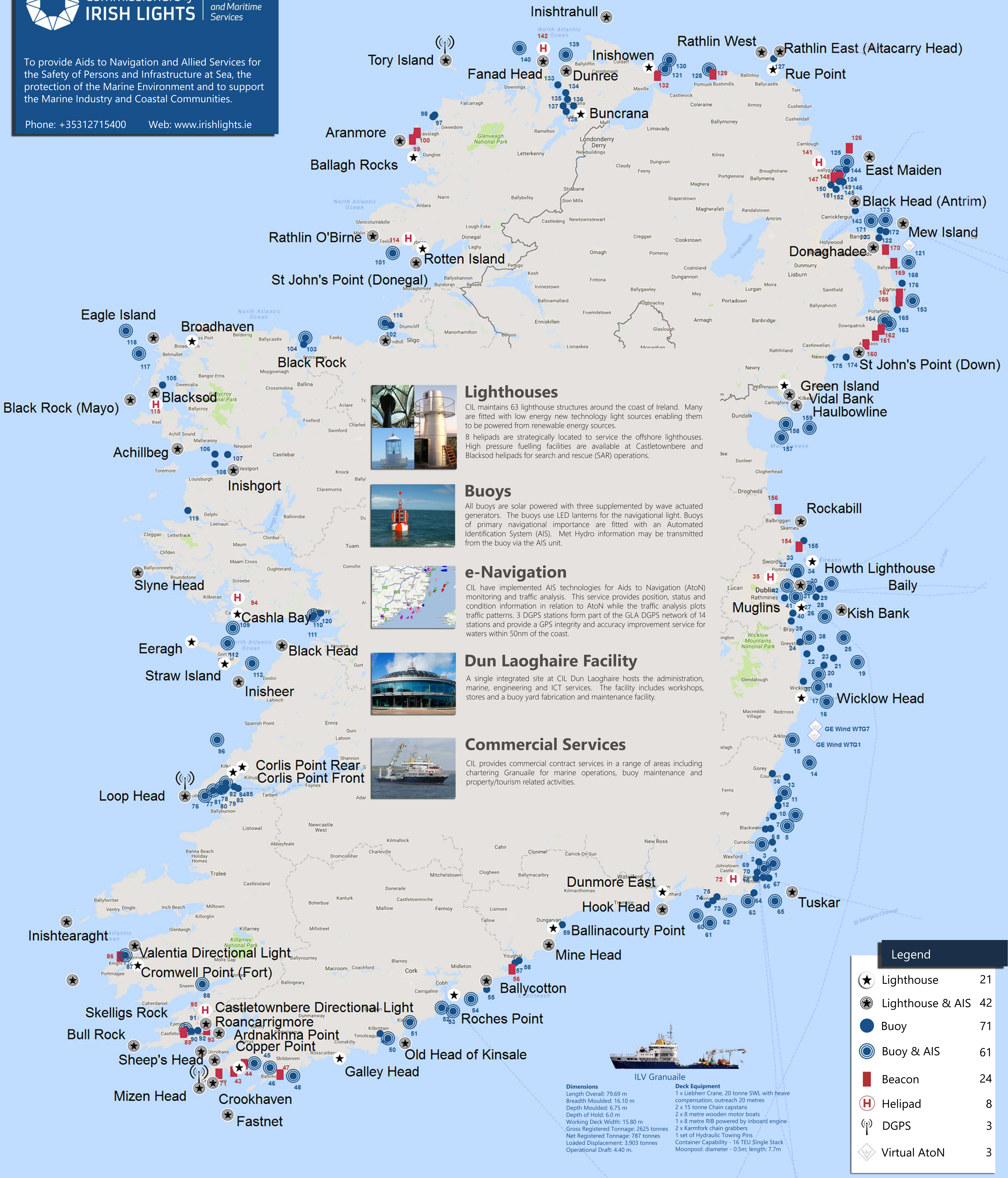
Irish Lights Network of Coastal & Marine Infrastructure



Commissioners of
IRISH LIGHTS | Navigation
and Maritime
Services

To provide Aids to Navigation and Allied Services for the Safety of Persons and Infrastructure at Sea, the protection of the Marine Environment and to support the Marine Industry and Coastal Communities.

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Lighthouses

CIL maintains 63 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.



Legend

★	Lighthouse	21
★	Lighthouse & AIS	42
●	Buoy	71
●	Buoy & AIS	61
■	Beacon	24
H	Helipad	8
⏏	DGPS	3
◇	Virtual AtoN	3

Dimensions
 Length Overall: 79.69 m
 Breadth Moulded: 16.10 m
 Depth Moulded: 6.75 m
 Depth of Hold: 6.0 m
 Working Deck Width: 15.80 m
 Gross Registered Tonnage: 2625 tonnes
 Net Registered Tonnage: 787 tonnes
 Loaded Displacement: 3,903 tonnes
 Operational Draft: 4.40 m

Deck Equipment
 1 x Liebherr Crane, 20 tonne SWL with heave compensation, outreach 20 metres
 2 x 15 tonne Chain capstans
 2 x 8 metre wooden motor boats
 1 x 8 metre RIB powered by inboard engine
 2 x Kamfork chain grabbers
 1 set of Hydraulic Towing Pins
 Container Capability - 16 TEU Single Stack
 Moonpool: diameter - 0.5m; length: 7.7m



ILV Granuaile

Map Index

1 Lucifer	17 Horseshoe	33 South Rowan	49 Courtmacsherry	65 South Rock Buoy	81 Beal Spit	113 Finnis	129 Stork Rocks	145 Ferris Buoy - Larne Harbour	161 Guns Island
2 West Long	18 South India	34 Rowan Rocks	50 Black Tom	66 Splaugh	82 Beal Bar	114 St Johns Point Donegal Helipad	130 Foyle	146 Larne No 3	162 St. Patricks Rocks
3 North Long	19 Coding Buoy	35 Baily Helipad	51 Bulman	67 South Long	83 Doonaha	115 Blacksod Helipad	131 Tuns	147 Larne No 2	163 Strangford
4 South Blackwater	20 North India	36 Courtown Outfall	52 Daunt	68 Calmines	84 Letter Point	116 Bungar Bank Buoy	132 Blucik Rock	148 Larne No 4	164 Bar Pladdy
5 Southeast Blackwater	21 South Coding	37 Wicklow Outfall	53 Cork	69 South Holdens	85 Asdee	117 WT 1 Buoy	133 Colpagh	149 Larne No 5	165 Butter Pladdy
6 West Blackwater	22 Brinches	38 Graystones Outfall	54 Power	70 West Holdens	86 Harbour Rock	118 WT 2 Buoy	134 White Strand	150 Larne No 7	166 South Rock Beacon
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14 South Arklow	30 Bennet Bank Spar	46 Loo	62 Bore Rocks	78 Kilcredaun	94 Rossaveal Helipad	126 Highlandman (Highland Rock)	142 Fanad Head Helipad	158 Imogene	174 DZ SE
15 Glassgorman No. 2	31 North Burford	47 Baltimore	63 Barrels	79 Tail of Beal	95 Castletownbere Helipad	127 Drake Wreck	143 Cloghan Jetty	159 Hellyhunter	175 DZ SW
16 North Arklow	32 Howth Buoy	48 Kowloon Bridge	64 Fundale	80 Carrigaholt	96 West Wave Buoy	128 Skerries Buoy	144 Larne No 1	160 Water Rocks	176 Plough