

Indar Electric, Ingeteam group, breaks molds by making our electrical rotating machines and frequency converters robust in design, reliable in performance, made to purpose and silent.



World class testing facilities

Quality is not at stake in INDAR, it is a must for us to guarantee the reliability. To this respect our test bench is one of the best in the world. The main capabilities are:

- On load tests all our power range.
- Back to back load test with PWM drives.
- Electrical and thermal insulation ageing.
- Tests of extreme ambient condition (climatic chamber from -30 °C to 80 °C).

Our Values

ONE TEAM 100% MARINE THINKING. We make our products with passion as one unique team. **PERFECTION is not good enough.**

Our Philosophy

100% marine oriented: cooperation and partnership with the ship owners, shipyards and propulsion system integrators forms part of our philosophy, with a dedicated and unique treatment in the relationship, and with a clear purpose: Hard work and long term partnering funded in trust.

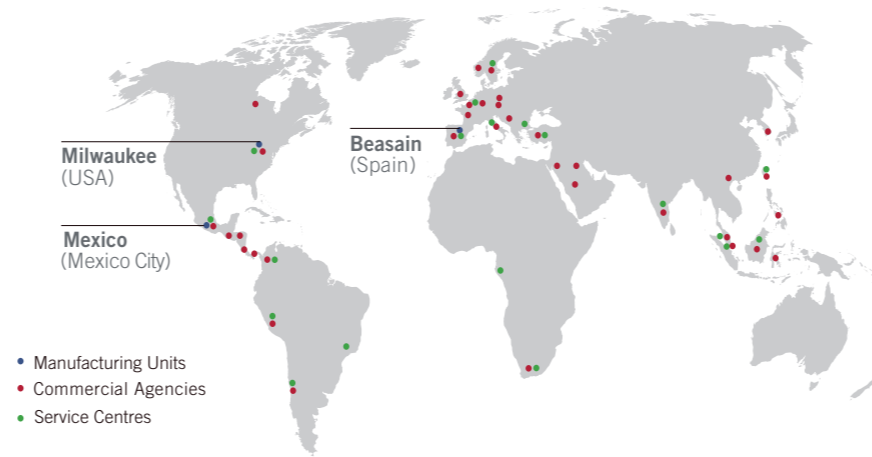
Marine Certifications

Any INDAR Propulsion motor is approved and compliant to the classification society given for the vessel.



Indar Electric, S.L.
 Polígono Industrial Txara, s/n
 20200 BEASAIN - SPAIN
 Tel.: 34 943 02 82 00
 Fax.: 34 943 02 82 01
 marine@indar.ingeteam.com

2019/05C



Your driving force



INDAR MARINE
MOTORS AND GENERATORS

Indar

GENERATORS AND ELECTRIC MOTORS; OUR CONTRIBUTION TO YOUR SYSTEM



COMPETITIVE ADVANTAGES

Our electric propulsion equipment is manufactured to provide optimal efficiency, reliability and performance level to vessels requiring such equipment.

Generators and electric motors are designed and manufactured in house. Since we are designers and manufacturers, we achieve **highly competitive results**.

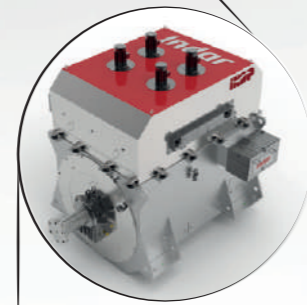
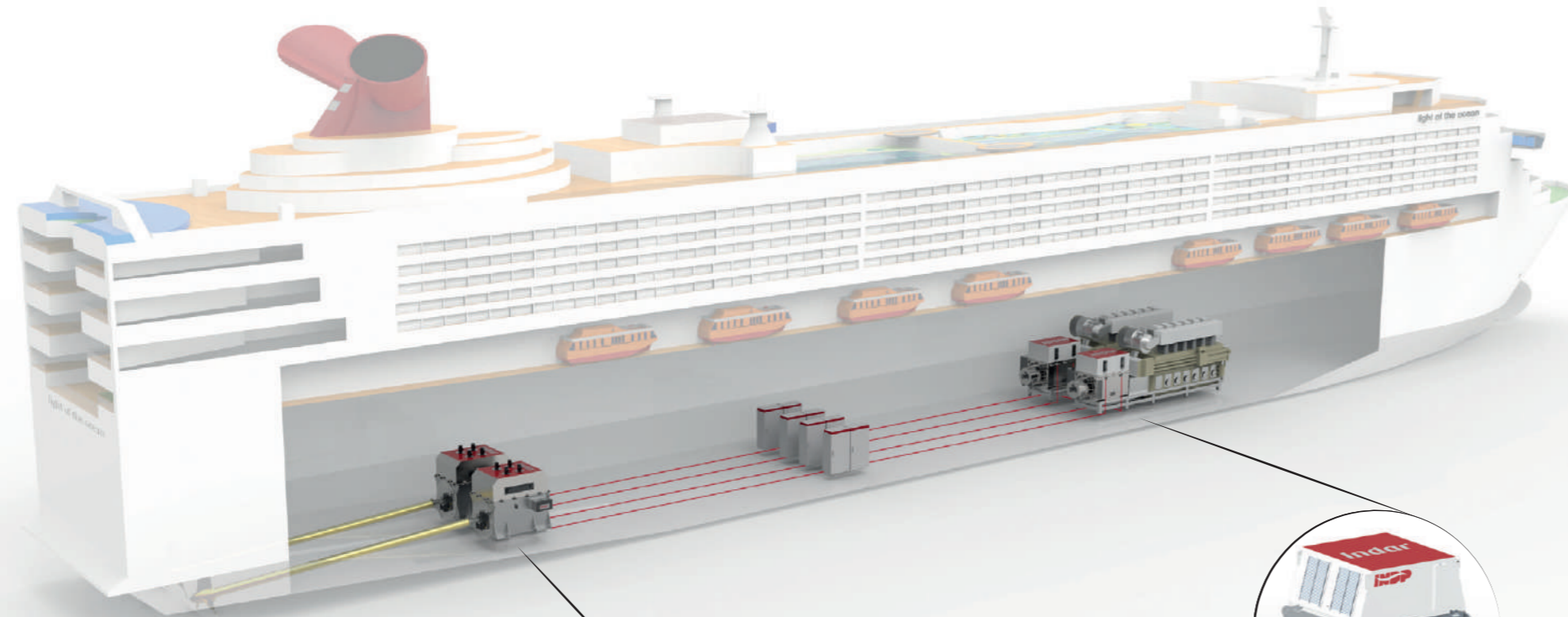
Main advantages:

- Optimization of the power installed on board, to attain higher **energy efficiency levels**.
- Highly robust and high availability.
- Minimum vibration and noise emission levels.
- Space saving in engine rooms.

Accountability: Everything is controlled and monitored BY iNDAR.



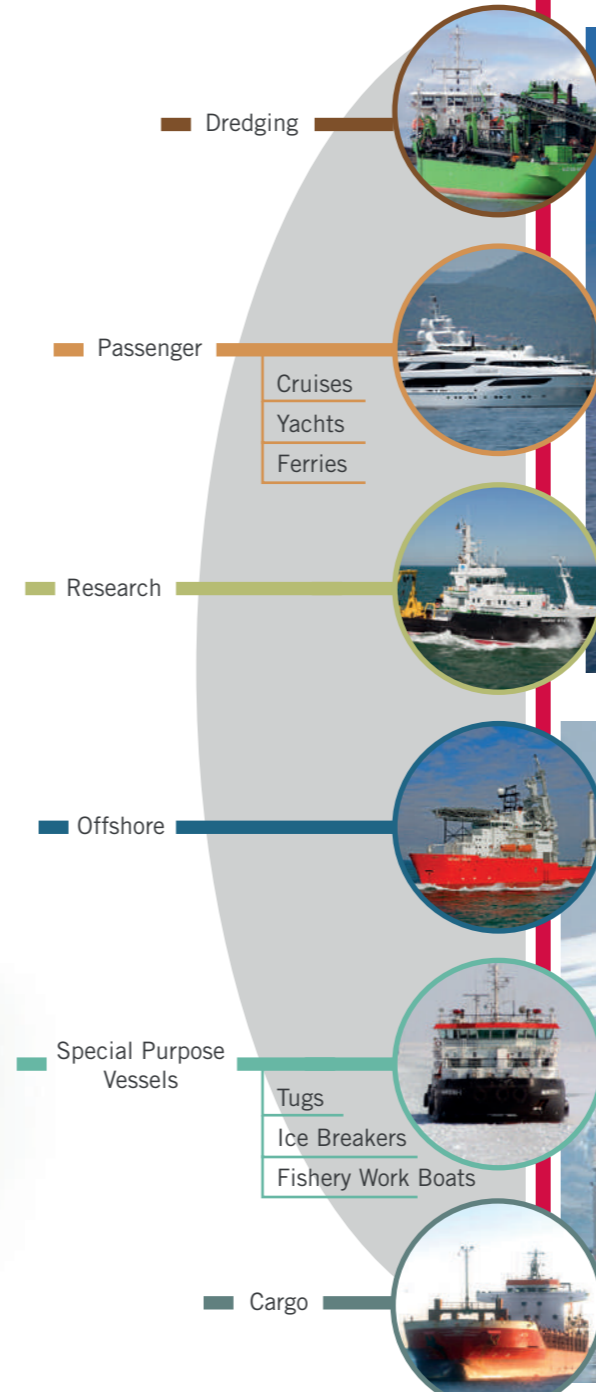
CONTROL AND POWER CONQUERING THE SEAS



POWER / ELECTRIC MOTOR
INDAR designs and manufactures AC electric motors for all types of main and azimuth propulsion, including silent propulsion and submersible motors.



STRENGTH / GENERATOR
We design generators for marine applications working closely with diesel engine manufacturers. We supply generators for main and/or auxiliary generation plants.



Picture courtesy: CSIRO



Harvey Barrison



Indar

ELECTRIC MOTORS & GENERATORS

Asynchronous, Synchronous and PM Technology

	Motors			Generators
Application	General use	Direct Propulsion	Low Noise Propulsion	Generators PTO-PTI-PTH
Output	600 - 15,000kW	600-20,000	600-5,000	1,250-30,000kVA
Voltage	Up to 15,000 V	Up to 6,600 V	Up to 3,300 V	Up to 15,000 V
Speed	Up to 2,000 rpm	Up to 350 rpm	Up to 350 rpm	Up to 1,200 rpm
Insulation Class	H	H	H	H
Starting / Operation	PWM / Sinusoidal	PWM	PWM	PWM/DOL

Our machines are designed, manufactured and tested according to the criteria and standards of the International Electrotechnical Commission.

Indar's motors adapt to the requirements established by the various classifying bodies for marine application.



BUREAU VERITAS

ABS



Lloyd's Register

