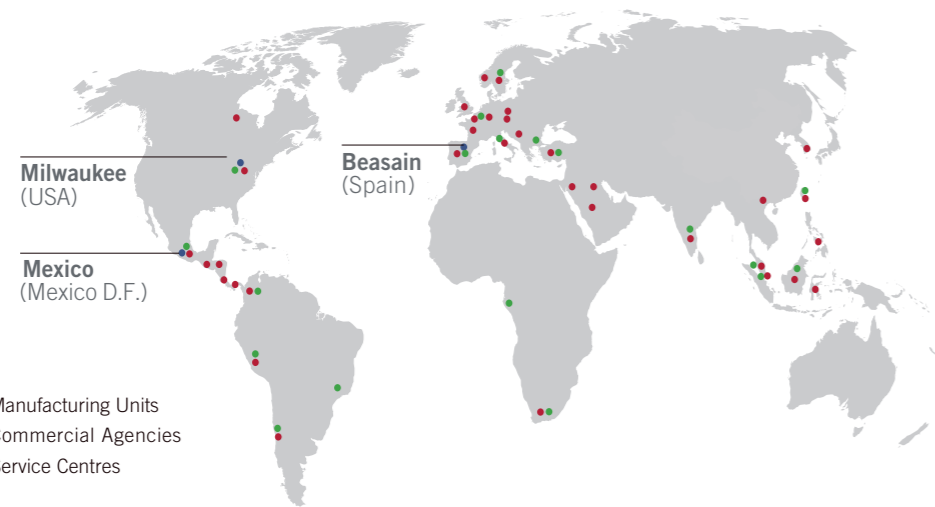


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# Indar



Your driving force

Indar Electric, S.L.  
[www.indar.net](http://www.indar.net)

We don't just supply electric motors; we create them  
**POWERING SHIPS AND PARTNERSHIPS**



Courtesy of ULSTEIN



**MARINE**  
OFFSHORE SUPPORT

# Indar



## Why INDAR?

The sea is part of our culture. We feel proud of everything we build. We believe in thinking differently because breaking molds is our motto.

We break molds by making our motors robust in design, reliable in performance, made to purpose and silent.

## Our Values

**ONE TEAM 100% MARINE THINKING.** We make electric propulsion motors 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 personalized and unique treatment in the relationship, and with a clear purpose: Hard work and long term partnering funded in trust.

## Experience = INDAR

We don't just supply electric motors, but we give advice and create them. Since 1940, the INDAR brand motors have been rotating on board worldwide and ship owner trust is built upon reliability.

## World class testing facilities

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

- On load test 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).

## Marine Certifications

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



## PROPULSION PERFORMANCE YOU CAN RELY ON

- Over 300 vessels powered
- More than:
  - 100 shipyards served
  - 175 ship owners' trust
  - 25 integrators on board



## OUR FEATURES

- Customized/Adapted design
- Compact design solution
- Up to insulation thermal cl. H
- Insulation valid for any VFD make
- Ambient temp. 45 °C
- Cooling water temp. 38 °C
- Degree of protection up to IP54
- Horizontal / Vertical mounting
- Witnessed FAT
- Easy Commissioning
- Maintenance Free

## ALSO POSSIBLE

- Output Power up to 15,000 [kW]
- Voltage up to 15 [kV]
- Double winding stator
- Degree of protection up to IP67
- Color alternatives
- High Corrosion Resistant C5H

Main propulsion motors

Thruster motors



### INDUCTION MOTORS

Up to 3,500 kW  
Up to 690 V  
Voltage supply:  
from PWM converter  
Up to 1800 rpm  
Cooler box on top



### INDUCTION MOTORS

Up to 3,500 kW  
Up to 690 V  
Voltage supply:  
from PWM converter  
Up to 1800 rpm  
Cooler box on one side



### INDUCTION MOTORS

Up to 3,500 kW  
Up to 690 V  
Voltage supply:  
from PWM converter,  
softstarter or DOL  
Up to 1800 rpm



### WATER JACKET IND. MOTORS

Up to 1,050 kW  
Up to 690 V  
Voltage supply:  
from PWM converter,  
softstarter or DOL  
Up to 1800 rpm