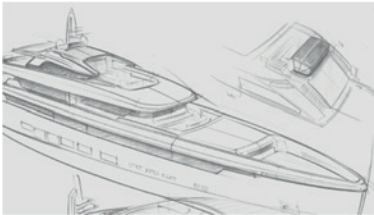


# CASE STUDY

90 meters MEGAYACHT  
Lionheart

*Benetti*  
ITALIAN EXCELLENCE SINCE 1873



Pictures courtesy: Benetti

This megayacht of 90 meters by **BENETTI** (Lionheart - FB262 construction) is using a **Diesel-Electric Propulsion System**. In cooperation with **ABB**, through a control system and fed by their inverter drives, the **INDAR** electric motors are powering the propulsion shaft line.

The Diesel-Electric Propulsion system allows engine lay-out optimization inside the yacht, reduces fuel consumption and emissions. Besides, the whole system performance in terms of Noise & Vibrations is so smooth that on-board comfort is upgraded above further expectations.

## INDAR Marine Applications:

- Main Propulsion Motors.
- Auxiliary Propulsion Motors.

These main propulsion electric motors by **INDAR** are carefully designed in order to comply with the highest comfort class requirements offering a silent vibration-free cruising.



[www.indar.net](http://www.indar.net)  
[marine@indar.ingeteam.com](mailto:marine@indar.ingeteam.com)

**Indar**  
An **Ingeteam** brand

## General Description

### INDAR Scope of Supply

2x Main Propulsion Motors.

AC Induction technology  
Direct Drive Propulsion (2 propellers with 1 electric motor each)

- Output power: 2x 3000 [kW]
- Voltage: 630 [V]
- Speed: 300 [rpm]
- IC cooling: IC86W

It's all about:

- Astonishing design and dedicated luxury painting for yachts.
- Compact size.
- Comfort: Silent technology. Noise and Vibration know-how.
- Reliability and Robustness.
- Efficiency.
- Custom design.
- IMU Luxury Series.
- And other yachting personal details.



### Yacht Main Characteristics

- Year: 2014
- Length: 90 [m]
- Specification: Benetti own specification
- Owner: Confidential
- Shipyard: Azimut Benetti
- Partner: ABB

**Indar**  
An **Ingeteam** brand

Your driving force

Indar Electric, S.L.  
Polígono Industrial Txara, s/n  
20200 BEASAIN - SPAIN  
Tel.: 34 943 02 82 00  
Fax.: 34 943 02 82 12  
marine@indar.ingeteam.com

Indar Electric, S.L.

www.indar.net