

WHERE  
DUTCH DESIGN  
AND CLEAN  
POWER COME  
TOGETHER...



## ZENORO MARINE GENERATORS

Zenoro secures an optimum in on-board power supply.  
Our custom-build power solutions for niche marine applications are best in class.

## ZENORO product range

Our products – whether for new build, refit or service – are tailored to your needs and demands.

Our portfolio includes Zenoro Essential, Zenoro Premium and Zenoro Hybrid.

Each product line has a different focus on design, engineering options, selection of components etc, without ever compromising the quality.

## Engineering, assembly, testing

All our products are designed, built and tested in-house in Ravenstein, The Netherlands.

## Aftersales & Service

After sales and services are both part of our expertise and focus. Moreover it is supported by our distributors and dealer network worldwide.

ZENORO



Marine  
Generators



### ZENORO ESSENTIAL

- Standard engineering
- Compact
- Short leadtime



### ZENORO PREMIUM

- Customized engineering
- Compact
- Short leadtime
- New build & REFIT
- Options
- Xeamos Exhaust Aftertreatment



### ZENORO HYBRID

- Customized engineering
- Compact
- Short leadtime
- New build & REFIT
- Options
- Xeamos Exhaust Aftertreatment
- Variable speed
- High end isolators



Leen Ouwehand  
Business Manager Zenoro

"Using our in-house test bench, every generator is factory tested before delivery. When applicable, class surveyors witness the test, and stamp the test reports accordingly. In all cases, the shipyard engineers and ship owner teams are welcome to witness the test runs as well."



## ZENORO: DELIVERING COMMISSIONING SERVICE

- Repair jobs
- Overhauls
- Yearly check ups
- Maintenance contracts

ESSENTIAL  
PREMIUM  
HYBRID

### Zenoro Marine Generators

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zenoro.com

ESSENTIAL  
PREMIUM  
HYBRID

YOU CAN RELY ON  
OUR WORLDWIDE  
ZENORO DEALERNETWORK  
24/7



Our Zenoro marine generators are represented worldwide by our distributors, dealers, agents and partners who understand the importance of providing high-quality service and a professional approach, resulting in long-term relationships with clients. That is how we can guarantee Zenoro support everywhere.

Unsplash stockphotography: Peter Fogden | Oliver Sjostrom | Mifal Latheef. Zenoro photography: Gaby Verheyen | Ad Hulshoff

## EXHAUST AFTERTREATMENT: ZERO SOOT, ZERO SOUND

### XEAMOS

We cooperate with our partner Xeamos to include exhaust aftertreatment systems in our generator sets as a single source supplier.





# ZENORO



Hybrid  
Marine Generators

## ZENORO HYBRID: Power density | Efficiency | Silence

Zenoro Hybrid is the future of yachting and sailing: compact due to high power density, quiet and environmentally friendly.

### Made in the Netherlands

Zenoro Hybrid products are engineered and assembled in the Netherlands, which enables a fast lead-time for both your new-build and refit projects. Please contact your local Zenoro partner for available stock and/or lead time.

### Sound enclosure

The 'sound enclosure' is powder coated and created with aluminium extrusion profiles and heavy-duty corner blocks. Sound insulation material is flame retardant, fuel, water, oil proof and

resistant for high temperature. Latches on every removable panel allows easy service. For major service jobs our sound-enclosure offers easy disassembly and assembly. An aesthetic, clean and robust design meets the look and feel of a (super)yacht.

- Air inlet box and air outlet box
- Air inlet front side and air outlet rear side both equipped with smart coulisse design

### Quiet and low vibration

Optimum calculated high quality rubber mounts.

A unique divider / slide plate system separates and controls the engine (hot) and alternator (colder) area. Air outlet and inlet position avoid recirculation. Our optimum enclosure design based upon 10 years of experience as generator set manufacturer. Noise levels are available upon request.

### Standard sensors

Standard durable sensors are used for oil temperature and loss of coolant, extra add on sensors available as option.

### Classification

Compliance with wide range of class societies such as LR, ABS, RINA and BV

### Dimensions

Dimensions of our equipment meet Zenoro durability requirements and ensure engineers are satisfied with easy access for maintenance. Allowance for engine and generator for 15 mm movement in all directions without touching sound insulation.

### Range kW

70 up to 390 kW

### Emissions

Able to provide EPA Tier III, IMO Tier II and IMO Tier III with XEAMOS system to sail in emission-controlled areas.



### Internal fan

Internal fan keeping the temperature inside the enclosure below critical levels



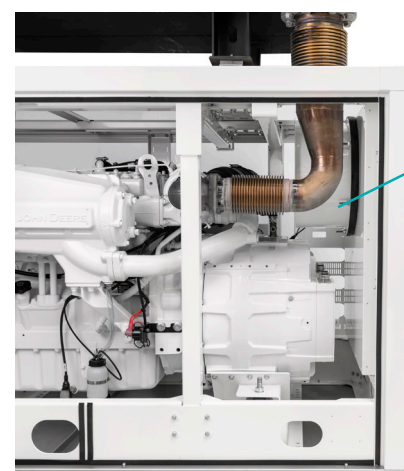
### Hybrid Marine Generator

- Raw water inlet and fuel to be custom engineered
- Standard cut out for electric cable connections, optional Roxtec covers available

### DEATS and zero shoot

We cooperate with our partner Xeamos to include exhaust aftertreatment systems in our generator sets as a single source supplier.

**XEAMOS**



### Variable speed PM generator

- Allows compact design
- Generator of permanent magnet type.
- Inverter controlled and water cooled.

### Genset controller

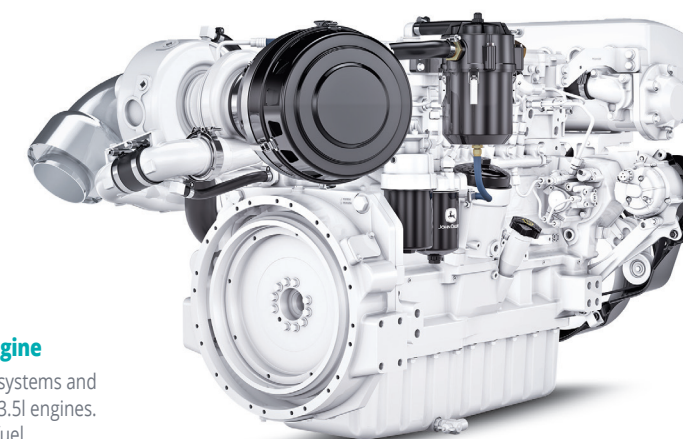
ComAp Marine for engine protection and speed control. Contains Zenoro in-house developed variable speed control. Switch between pre-programmed speed setpoints via binary inputs or control fully variable via analog input current.



**JOHN DEERE**

### John Deere Marine engine

Modern common rail fuel systems and factory marinised 4.5l to 13.5l engines. One-side serviceability of fuel, oil filters and air filter



## Our HYBRID features

- Efficiency increase, mechanical and electrical
- Increased power density
- Lower fuel consumption
- Lower noise level
- Compact

ZENORO 



[www.zenoro.com](http://www.zenoro.com)