

ELECTRIC & HYBRID MARINE PROPULSION

Range up to 2000 kW

**ENAG MANUFACTURER OF GENERATORS,
MOTORS AND POWER CONVERTERS.**



**ENPOWER
DEFENCE**
www.enpowerdefence.com.au

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Manufactured for Defence

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www.ipowersolutions.com.au

A strategic Joint Venture between ENAG and i.Power Solutions, providing the best in Energy Management Technology

ENAG designs and manufacturers in France :

ENAG MANUFACTURE

High efficiency Gensets



Batteries



Main switch boards with energy management, main propulsion control, Auxiliary propulsion, winches or hydro power control.



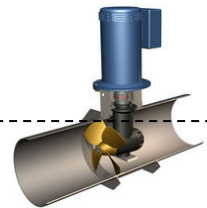
Winch brake motor



Propulsion motor/generator



Bow thruster electric motor



Propeller



ENAG, your partner for heavy duty electric propulsion.

We design, develop and maintain our propulsion systems, generators and energy management systems on board your marine and inland vessels. More than 50 projects achieved since 1996.

Equipement for all types of work boats : navy, fishing, supply, ferries, passenger transport, cement carriers ...

ENAG supplies :

- **Motors/generators and control cabinets**
- **Main switch boards**
- **Power Management System, energy management and power coupling**
- **High efficiency gensets**
- **Control and monitoring panels**
- **Equipement adapted for marine and inland waterways (Bureau Veritas)**

Advantages

- **1 single machine which can work as an electric motor and a generator to power the on-board network or recharge the batteries**
- **Redundant and easy to couple systems**
- **Optimised electric motors working as a generator or a motor**
- **Fuel savings greater than 20% possible**
- **Reduced maintenance compared to diesel propulsion**
- **Easy to install (new or retro-fit)**
- **Decrease in emissions due to diesel**

References :



2 gensets 400 kVA high efficiency + 2 x 221 kW propulsion - Trawler



2x110kW + 1x250kW – yacht



2 x 475kW +1 x 340kW



2 x 300kW cement carrier



2 x 250kW – paddle wheel



2 x 1100kW – seismic vessel



2 x 475kW double ended ferry



2 x 20kW – hybrid batteries



2 x 90 kW – passengers



2 x 125kW – survey



2 x 156 kW hybrid - Navy



2 x 15 kW batteries



2 x 22 kW batteries

FC-PROP-EN-G