



CASE STUDY:

Electric propulsion system for GM7M hull



Bellmarine’s electric motor combined with a battery and genset provides a clean and efficient propulsion solution for vessels under 8 meters. This advanced system enhances operational efficiency and environmental compatibility, making it a great alternative to traditional engines.

Vessel type	GM7M inshore fishing vessel
Vessel length	6.95m
Beam	2.85m
Draught	1.2m
Top speed	5/6knts (2.5hrs)*
Cruising speed	3.5 knts (5hrs)*
Charging time	14.5hrs with 7.5kW charger
Electric Motors	1 x 55W Bellmarine Drivemaster
Battery	144V LFP
Genset	6kW diesel
System cost	€30,210 (ex VAT)
Additional kit	circa €96,500 (includes battery, genset, and DC converter)

* with 139kWH battery

Suitable vessels

- Inshore fishing vessels
- Small pilot boat
- Mackerel fishing



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System list

Electric Propulsion System Kit

- Bellmarine DriveMaster 55W electric propulsion system.
 - 114 Vdc
 - Mounting brackets and rubber mounting blocks
 - Motor for intergrated thrust bearing
 - Precharge circuit
 - DC-DC covertero 12Vdc
 - 5m cable for display, lever and key
 - Key panel
- 12V closed loop cooling system
- Bellstyle TC1-15 top mounted control head
- TF Pro full colour display
- 5m extension signal cable
- Motor to 30mm shaft connection coupling

TOTAL: **€30,210 (ex VAT)**

Additional components

- 114V (139 kWh) LFP battery system (non- approved) and charger
- 6kW diesel genset
- DC-DC convertor 144-12VDC

TOTAL: **€92,500 (estimate)**

