

**DESERT POWER
HIGHLAND**

**DESIGNS LLC
SYSTEMS**

100% ELECTRIC



**RE-EQUIPMENT
VESSELS**

MADE IN UAE



RE-EQUIPMENT

Our company is engaged in the re-equipment of new and already in use vessels to electrical installations of different capacities with any type of drive

The electric motor makes it possible to quickly and smoothly change the speed and direction of rotation of the propulsion (which improves maneuverability), provides a low noise and vibration (which is important for passenger ships).

In addition, it is important to note that electric motors do not need constant expensive maintenance, and their service life is several times longer than the service life of internal combustion engines.

The electric transmission ensures the use of propellers with the best efficiency and the use of primary engines in the most economical mode, since almost any gear ratio can be selected between the primary engine and the propeller.

It is impossible not to note the environmental friendliness of such a unit — it does not emit harmful substances during operation. It is worth noting that gasoline and diesel engines are prohibited on some reservoirs for this reason.



RE-EQUIPMENT VESSELS

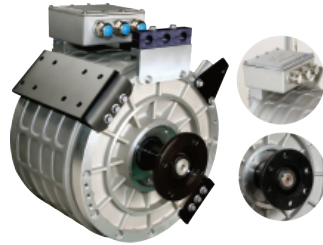


**RE-EQUIPMENT
VESSELS**



100%ELECTRIC

Drive Motor



**Motor
Controller**



**Boat
Controller**



**On-Board
Charger**



**Battery
Pack**



PDU



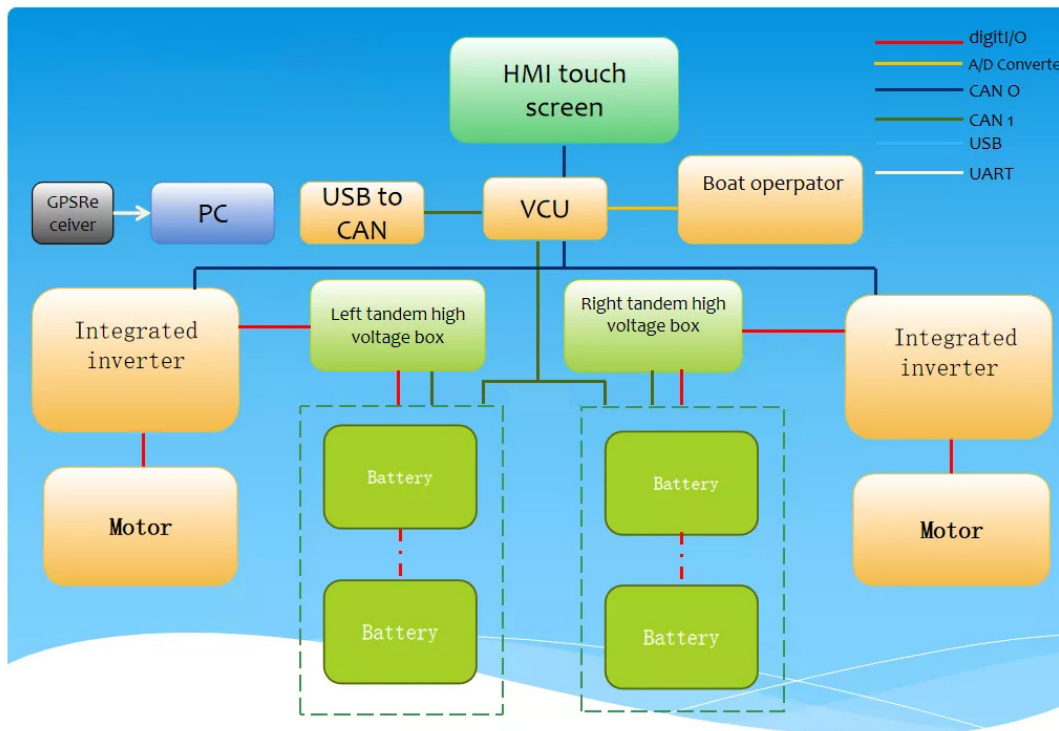
Operator



Dash Board



RE-EQUIPMENT VESSELS





RE-EQUIPMENT BOATS



Advantages of replacing the internal combustion engine with an electric motor



SILENCE

The absence of noise and vibration make it possible to comfortably communicate and enjoy the surrounding views



CONVENIENCE

Lack of constant maintenance and problems with refueling on the water



ENVIRONMENTAL FRIENDLINESS

Electric vessels do not pollute the environment and are allowed in areas prohibited for vehicles with an internal combustion engine



MANEUVERABILITY

Higher maneuverability and smoothness increases by 80%



ECONOMY

Low maintenance cost of an electric motor compared to an internal combustion engine



SERVICE LIFE

The service life of an electric motor is several times longer compared to an internal combustion engine