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To outscore the competition for functionality and performance, a number of professional marine solution providers are available. Other than offering services related to design, installation and support, the suppliers have been serving other requirements of the yacht owners including the supply of marine electronics devices, marine electronic repair and much more.

In this article, weâ€™ll come to know the kind of role played by main electronics devices like Radar, Sonar, chartplotter, GPS and much more.

Chartplotter

The main role of the chartplotter is defined as displaying the Electronic Navigation Chart along with the heading, position and speed of the ship. Adding to it, the device is also responsible for the display of information collected from Radar and other sensors.

Considering technology, the chartplotter makes use of single or multiple computers and generates three-dimensional displays. Along with the larger screens, the device comes with increased processing power as well as multi-function capabilities.

SONAR

The acronym used for Sound Navigation And Ranging, SONAR is a useful technique which is meant to use sound propagation to communicate, detect or navigate objects under the surface of water. Where passive sonar is meant to listen sound made by the vessels, active sonar emit sound pulses and also listens to echoes.

The detection and performance of the SONAR is dependent on factors like the environment, transmitting equipment and receiving equipment.

RADAR

One of the most useful marine electronics devices is RADAR and its main role is to detect the range, direction, altitude or speed of the object. And that object could be guided missile, aircraft, spacecraft, ships or other motor vehicles.

Modern uses and role of the RADAR are many and chief ones are air traffic control, air-defense systems, radar astronomy, antimissile system, locate landmarks or ships. Including digital signal processing, the device comes with the capable feature of extracting objects from extreme high noise levels.

GPS

The satellite navigation system which is a space based is GPS. The main role of this system is to offer information about weather and the information is received through GPS receiver.

And problem to any of these electronic devices can cause serious life risks to the marine environment. This is the place where marine electronic repair services play a significant role. Acquiring assistance of leading marine electronic repair service providers can help one with appropriate course of action. The experts quickly diagnose the problem and get the repairs done

with quality technical resources and prompt repair services.

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