

# Casual Water

## Refitted Switchboard and Generator Controls

*The DEIF staff and support through the entire process has been an extreme pleasure... Barry Baadte, GM at Island Marine, Florida*

M/Y Casual Water is a striking 33.68m Feadship motor yacht that has changed hands a few times since she was first launched under the name Roverling. Originally built in 1987 with a shallow draft specifically for cruising around the Boston area, today she is mainly seen in the Caribbean.

The motor yacht offers accommodation for up to eight guests with a crew of five members to guarantee guests an outstanding boating experience.

Preserving the luxury yacht's classic lines and presentation right down to the operation of the main switchboard, Casual Water has seen a lot of love from its current owner.

### Application Challenge

Casual Water's original main switchboard was state of the art at the time of installation, but after 25 years of service, it had obsolete parts and was becoming increasingly difficult to maintain: its moving potentiometers, for instance, had become impossible to adjust.

Island Marine Electric recommended DEIF as the supplier of not just the switchboard functions but also of the vessel's generator controls and interface to the existing shore power system.

Suitable for a broad range of marine and offshore applications, DEIF's versatile and fully redundant multi-master system PPM-3, Protection and Power Management 3, has been developed with safe, cost-effective engine operation in view: with up to three powerful microprocessors, the PPM-3 can cut fuel costs by up to 15 %.

### Island Marine Electric

Operating out of Fort Lauderdale, Florida, since 1985, Island Marine Electric serves the yachting community in the United States and the Caribbean.



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



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### Data

- Fully redundant multi-master system
- Automatic split bus state mode for bow thruster operation
- Simple and seamless implementation
- Up to 15 % reduced fuel consumption

### Product



Protection and Power Management, PPM-3

### DEIF Solution

DEIF's PPM 3 solution enables Casual Water to operate on a single generator, saving fuel and generator maintenance cost. For Baadte, what truly makes the DEIF solution stand out, though, is, "Reliability, customer support and the system's incredible adaptability." When Casual Water requested a unique mode for Bow Thruster Operation – the system will automatically enter a split bus state – we delivered on the request, adding custom M-Logic programming featured in the PPM-3 controllers."

According to Island Marine, retrofitting the systems proved an exceptionally seamless and pleasant experience with new functionalities and options adapted specifically for the yacht. Island Marine is particularly hopeful about the return on investment of the retrofit: "The return on investment for the owner and crew should be very apparent. The system offers exceptionally intuitive operation along with a high level of reliability and required no major modification to the main distribution panel to implement. The yacht is quite happy."

### Case Diagram

