



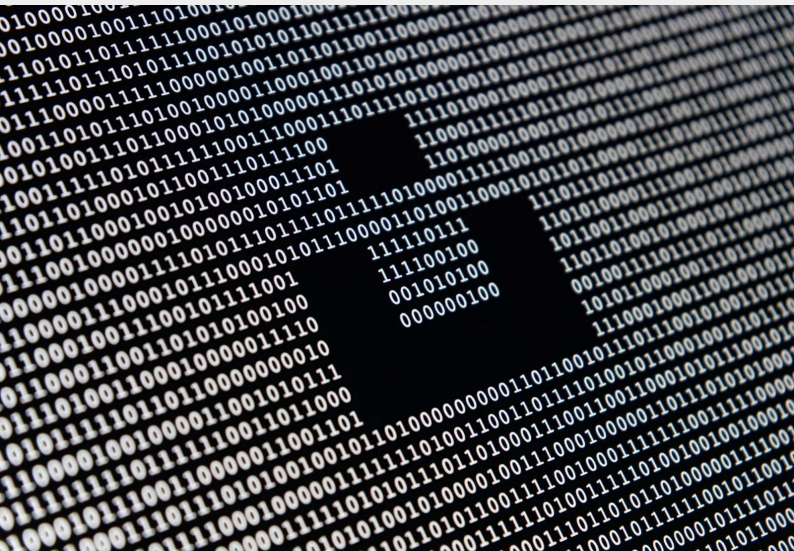
## Ships Information Management System (SIMS)

"Intelligence is not the ability to store information, but to know where to find it" - *Albert Einstein*

**Industry**  
Maritime

**Sector**  
Ship Building

**Segment**  
Information Management Systems



### Project

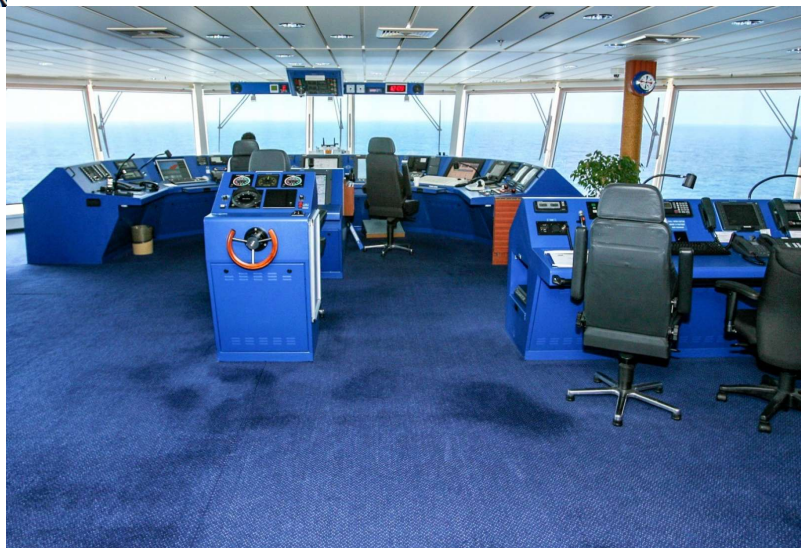
- The client is an Australian shipbuilder building a range of highspeed lightweight catamarans.
- Each ship requires a Ships Integrated Management System (SIMS) to provide a common overview of multiple control systems within the ship.
- As the ship design is unique the client recognised that to get the SIMS they required they needed to develop their own.
- Key requirements was a design partner who possessed wide ranging maritime electrical DNV-GL and automation skills and had a local presence to their facility help develop the SIMS.
- Cromarty were awarded the project to develop the vessel SIMS in conjunction with the client's project team.

### Solution

Cromarty worked collaboratively with the client's project team to develop a SIMS to:

- Monitor and control various ships plant via hardwired signal inputs and high-speed communication busses.
- Provide access to information via touch screens distributed throughout the vessel.
- Utilise equipment and design philosophy suitable for marine applications.
- Be DNV-GL approved.
- Be versatile for use on multiple vessels.

Cromarty provided all control system software and hardware, developed the PLC Code and HMI and provided engineering support during the installation, commissioning and supplied training and post project support services.



### Outcome

The project was completed within the specified time frame. The hardware and software design achieved DNV-GL Plan approval using readily available industrial standard hardware and software. The final solution was scalable and repeatable and allowed the client not only to deliver this vessel with a DNV-GL approved SIMS but laid the foundation for the system to be adapted and used on future vessels.