

Supervisory level screen

Platform Management, Automation and Control

The complexity and operational pace of modern naval platforms, coupled with the need for reduced manning, complete situational awareness, increased system flexibility, maximum availability and reduced maintenance effort, dictate that Integrated Platform Management Systems are employed which encompass the full spectrum of machinery control and monitoring functions. Whippendell Marine has employed its background in advanced motor control, together with its experience in automated process techniques, to develop versatile Platform Management Systems which are specifically aimed at smaller naval and auxiliary platforms.

Whippendell Marine provides a partnered approach to the specification, development, design, manufacture and commissioning of integrated platform management systems tailored to the needs of your specific application. Specifically, we can provide:

Design Services

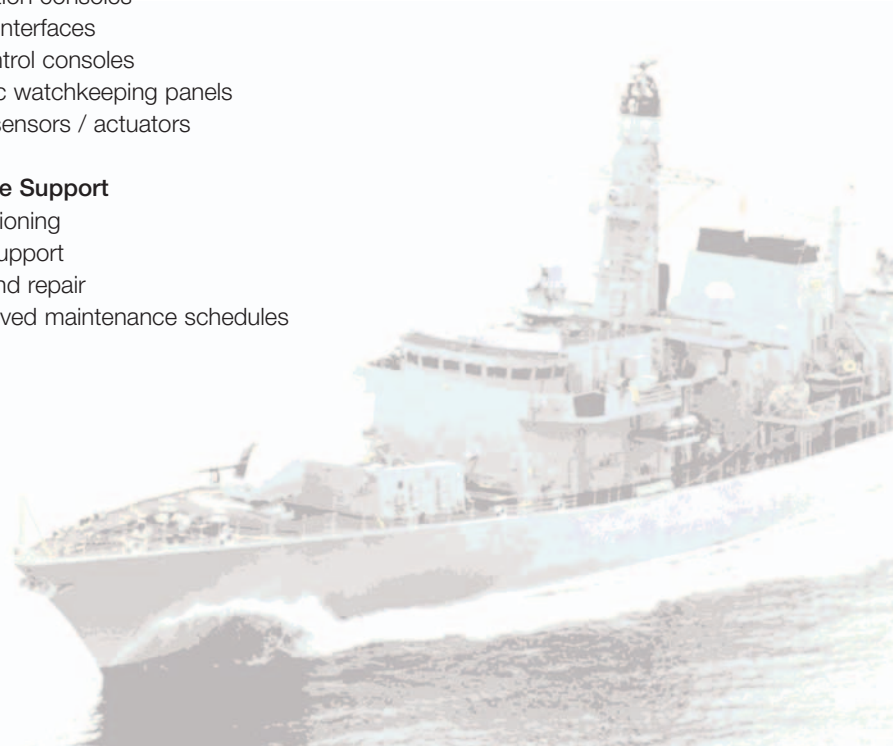
- User and System definition
- Technical specification
- System development
- System integration

System Manufacture

- Multifunction consoles
- Network interfaces
- Local control consoles
- Automatic watchkeeping panels
- Remote sensors / actuators

Through Life Support

- Commissioning
- Full ILS support
- Spares and repair
- RCM derived maintenance schedules





Local Control

System Features

Whippendell Marine systems are bespoke, tailored to the specific requirements of each application and are developed employing the latest COTs technologies and components. This brings added benefits in terms of reliability, performance, supportability and ease of implementing in service upgrade. Specific features include:

- **Open Architecture** - Expandable and scalable options based on dual redundancy Ethernet LANs (FO or Cu).
- **Multifunction Consoles** - Allow system operators to monitor and control a range of platform and machinery functions from a single or replicated positions.
- **Supervisory Control Level** - Provides system and environmental monitoring and setting of automation policies.
- **Integrated machinery Control** - Discrete machinery Local Control Panels for the automated surveillance and control of specific plant and systems.
- **Data Logging and Condition Monitoring** - User defined alarm and warning levels; integrated maintenance recording and planning facility.
- **Integrated Damage Control Stateboards** - Provides improved situational awareness, supervision of critical systems, manpower and casualty reporting.

Whatever your platform management or automation requirements may be, Whippendell Marine can provide a cost effective solution to meet the needs of the application. Contact us to discuss your requirements in further detail.

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