CASE STUDY

Client: SMS Towage
Project: Alarm & monitoring system

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Project Summary

MJR Power & Automation was commissioned by SMS Towage to deliver a full design specification for the upgrade of the alarm and monitoring system on the company's vessel, SMS Roman.



Challenge

- The need to retain the existing cabling and connection points to the instrumentation
- The requirement for the alarm and monitoring system to be possible from two locations
- The need for existing systems to be connected to remote units controlled by outstations
- A requirement to disable unused communication ports and configure active networking devices to prevent network overload at any time
- The specification of exact computer-based technology and configuring of pre-determined user defined settings

The Solution

The implementation of a number of aspects representing a significant improvement to the existing system. This included:

- An Ethernet ring connection making the system immune to failure of any connection between stations
- The introduction of a computer based main station, allowing improved data logging and visualization capabilities
- The integration of a graphical console into the alarm panel (Engine Room) enabling access to all alarms and monitoring data
- The installation of an alarm annunciator to extend the alarm system when the engine room was unattended
- An installation on the bridge to support the station in that location in the event of a supply failure
- Full integration of MJR's advanced MAP-OE™ platform including the design, construction, automation and removal of the original system with full installation of the new one
- All network devices configured to prevent network overload at any time
- Full testing of the system at the MJR plan prior to installation and commissioning.



Why MJR Power & Automation

- A full turnkey engineering solution from simple repair to complex end to end design, build, installation and commission
- A track record in delivering complex offshore equipment systems
- A team of highly experienced, in-house practitioners delivering all aspects of electrical power, automation and electronic engineering
- A pool of industry talent meaning zero subcontracting
- A pedigree of knowledge and expertise in implementing deck equipment and marine classification society rules
- A history of customer confidence delivering complex offshore projects, unrivaled standards of management, industry leading quality and safety standards and a reputation for consistently delivering on time and in budget.

Design | Engineering | Construction | Installation | Service

MJR Power & Automation

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