

PMI IMACS

INTEGRATED MACHINERY, ALARM and CONTROL SYSTEM

Omni Chief Distributed Control and Monitoring Unit

UDC Universal Display and Control Panels

MCH-E Control Heads

D-MaC Digital Marine Control

Drop in propulsion control and instrumentation plates



MV Stikine

60.4 m RO/RO Ferry

Alaska's Inter-Island Ferry Authority

PRIME MOVER CONTROLS INC.

Wheelhouse Control Station



The propulsion control system for the M/V Stikine is a dual-mode PMC **D-MaC** (Digital-Marine Control). The controls include hybrid combinator mode and split mode for control of the two Cat 3512 engines driving Hundested controllable pitch propellers.

In the hybrid combinator mode, minimum engine speed can be raised simply by increasing the appropriate rpm lever position. Feed forward pitch positioning and automatic load control ensure fast manoeuvring and optimum engine loading throughout the full operating range.

The PMC system capabilities meet or exceed the rigid operational requirements of the Inter-Island Ferry Authority and the demanding environment in which they operate.

The machinery alarm/monitoring system is a PMC **IMACS** (Integrated Machinery Alarm and Control System) machinery alarm and monitoring system. The **IMACS** is a technically advanced Windows based graphical user interface for machinery alarm and control functions. It seamlessly integrates with PMC's Omni Chief distributed control and monitoring system hardware.

Wing Control Station



The **IMACS** workstations and Omni Chief units, featuring layered redundancy with an redundant high-speed network connectivity, function independently without a centralized file server. The **IMACS** can summarize and network all the data that is collected from electronic engine packages, fire alarm panels, power management systems, motor controls, environmental controls and other electronic control systems throughout the vessel.

Engine Room Control Station



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