

VIKING 27 SDEM

Engine Management and Fuel Control for efi diesel engines

Viking 27 SDEM is designed to provide electronic fuel injection coupled with the facilities for complete engine management and application control. It builds on the functionality of the Viking 25 range and benefits from the commonality of software. Thus allowing an electronically fuel injected engine to be applied to the range of existing complex applications: -

General

- Engine start stop logic
- Distributed I/O

Marine propulsion

- CPP
- Fixed pitch with clutch control
- Water jet
- Propulsion and power take-off

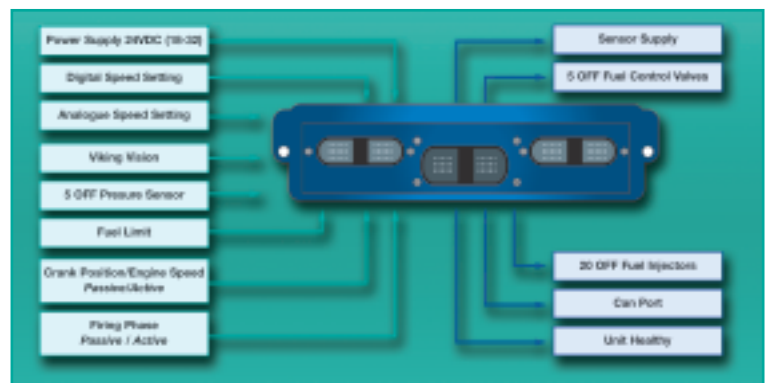
Power generation

- Load control
- Load sharing via serial link
- Peak load lopping
- Base load generation

Traction

- Mechanical torque converter
- Diesel electric
- Serial communications to locomotive systems
- Excitation control
- Wheel slip control

Viking 27 SDEM provides a flexible platform for developing a wide range of application specific software driven solutions.



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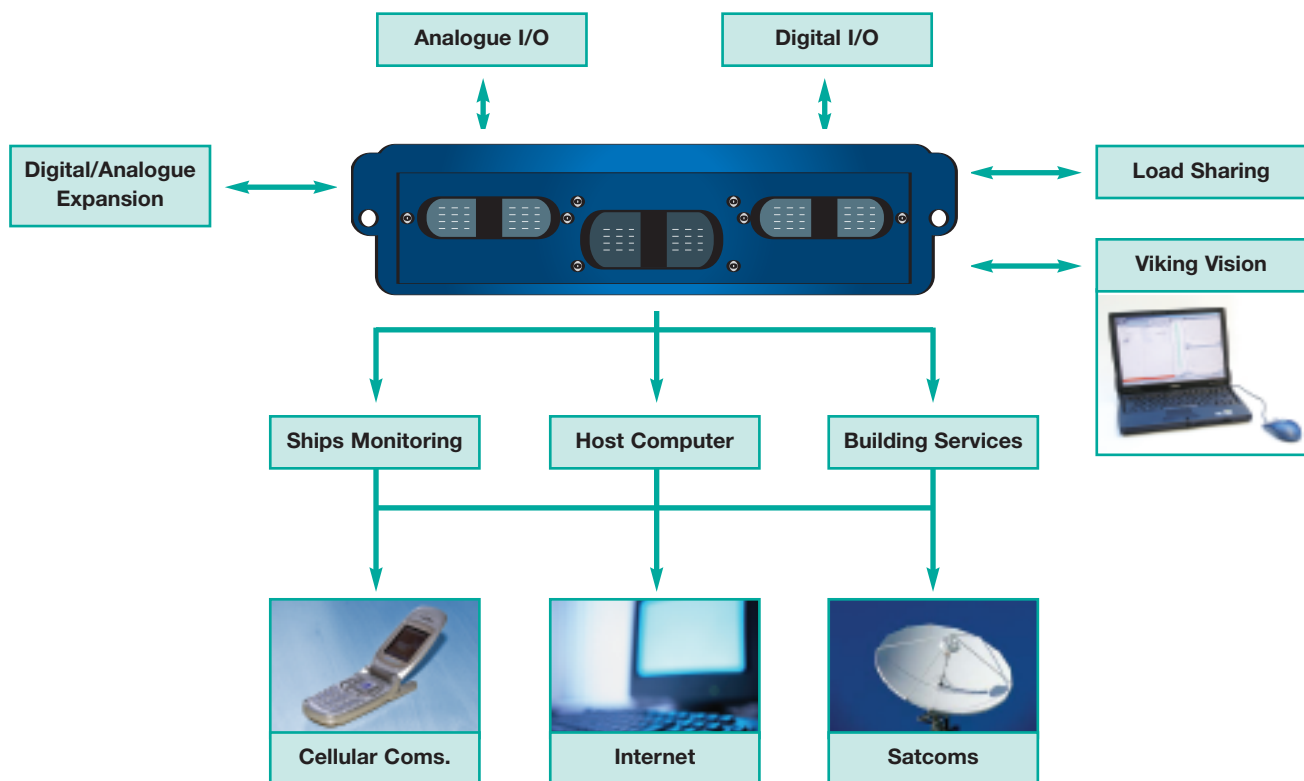
FEATURES

- Is an EFI controller for reciprocating diesel engines with up to 20 cylinders and 5 fuel control valves operating at speeds up to 2500rpm.
- Is capable of running both common rail systems and electronic unit injectors/pumps. The Viking 27 comes in two formats to suit the application requirements.
- Provides engine management facilities, applications control and communications to other monitoring or control equipment.
- 24V DC supply voltage
- Has the ability for parameter adjustment through Viking Vision windows based software.
- Dual redundant version available for single engine marine applications, without a requirement for additional hardware.
- Speed sensor redundancy and backup modes of operation.
- IACS Spec E10 environmental requirements for on engine mounted equipment.

Up to 5 programmable injection events per cylinder.

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Viking Vision

Viking Vision is a PC based tool which has been developed to allow easy access to adjustable parameters and status information in the Viking product range.

FEATURES

- Parameters can be edited and displayed graphically
- Alarms can be displayed and logged in chronological order with the ability to be reset.
- Parameters and settings can be downloaded from one SD/SDEM to other units.
- Five password protection levels.
- Information can be presented graphically on up to 256 user-defined canvases.

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