

ELECTRICAL & AUTOMATION SOLUTIONS

CMA C-3000

VESSEL MANAGEMENT SYSTEM

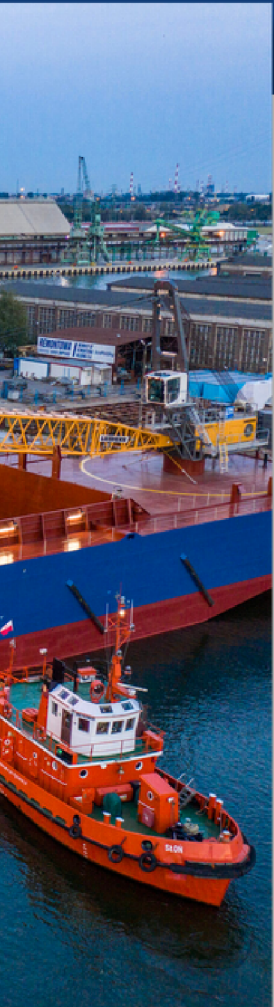




MONITORING & CONTROL SOLUTIONS

KDU developed CMAC 3000 to assist ship owners and managers with vessel operations and monitoring, to effectively improve the efficiency and quality of their control and alarm systems.

Powered by Programmable Control Processor for high speed & supported by flexible architecture, CMAC ensures to provide high performing control solution.



**FROM CENTRALIZED TO HIGHLY DISTRIBUTED SYSTEMS OR
EVEN NETWORKED DISTRIBUTED CONTROL SCHEMES,
CMAC 3000 PROVIDES A COMPATIBLE SOLUTION FOR
YOUR PROBLEMS!**

Customer Centered Design with integration options:

- **Cargo Monitoring System**
- **Power Management System**
- **Emergency Shut Down System**
- **Remote Maintenance Function**
- **Complete integration of EMS, EPS, ECS, Anit-heeling System, Fire detection System, Ballast Water Management & Other Dedicated Ship Specific Functions**

**CMAC 3000 PROVIDES
SUITABLE SOLUTIONS
FOR COMPLEX
AUTOMATION SYSTEMS
OF CONTAINERS,
TANKERS AND EVEN
LEISURE CRAFTS, WITH
MORE THAN 10000
SIGNALS.**



CMAC 3000
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MAIN ENGINE

AVL ENGINE-1

AVL ENGINE-2

TANK

BILGE

PUMP

ALARM HISTORY

LOGGED BY

ENGINE GEN.

AVL ENGINE-3

SWITCH BOARD

SHAFT & GEAR

DEPTH

OPTIONAL

ALARM SUMMARY

WEB

BILGE SYSTEM

AVL 113 BILGE
ENTER GEAR ROOM
LEVEL HI



AVL 141 BILGE
CARGO HOLD-4 PH
LEVEL HI

AVL 142 BILGE
CARGO HOLD-3 PH
LEVEL HI

FEATURES & BENEFITS

- **Handling of both Digital and Analogue Signals**
- **User Configurable Alarm Parameters**
- **Online Alarm and Event Printing**
- **Comprehensive Alarm & Event Browsing Facilities**
- **Customized SCADA Mimics**
- **User Protection For Monitoring and Control.**
- **Handling Of Protocols - Modbus RTU, TCP , NMEA Protocols**
- **Remote Connectivity For Troubleshooting**



CONTACT US TO KNOW MORE!

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