

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 by effectively improving efficiency and quality of control and alarm systems.

Powered by Programmable Control Processor for high speed supported by flexible architecture, ensuring high performing control solution and redundant applications.





SYSTEM

TANK SYSTEM

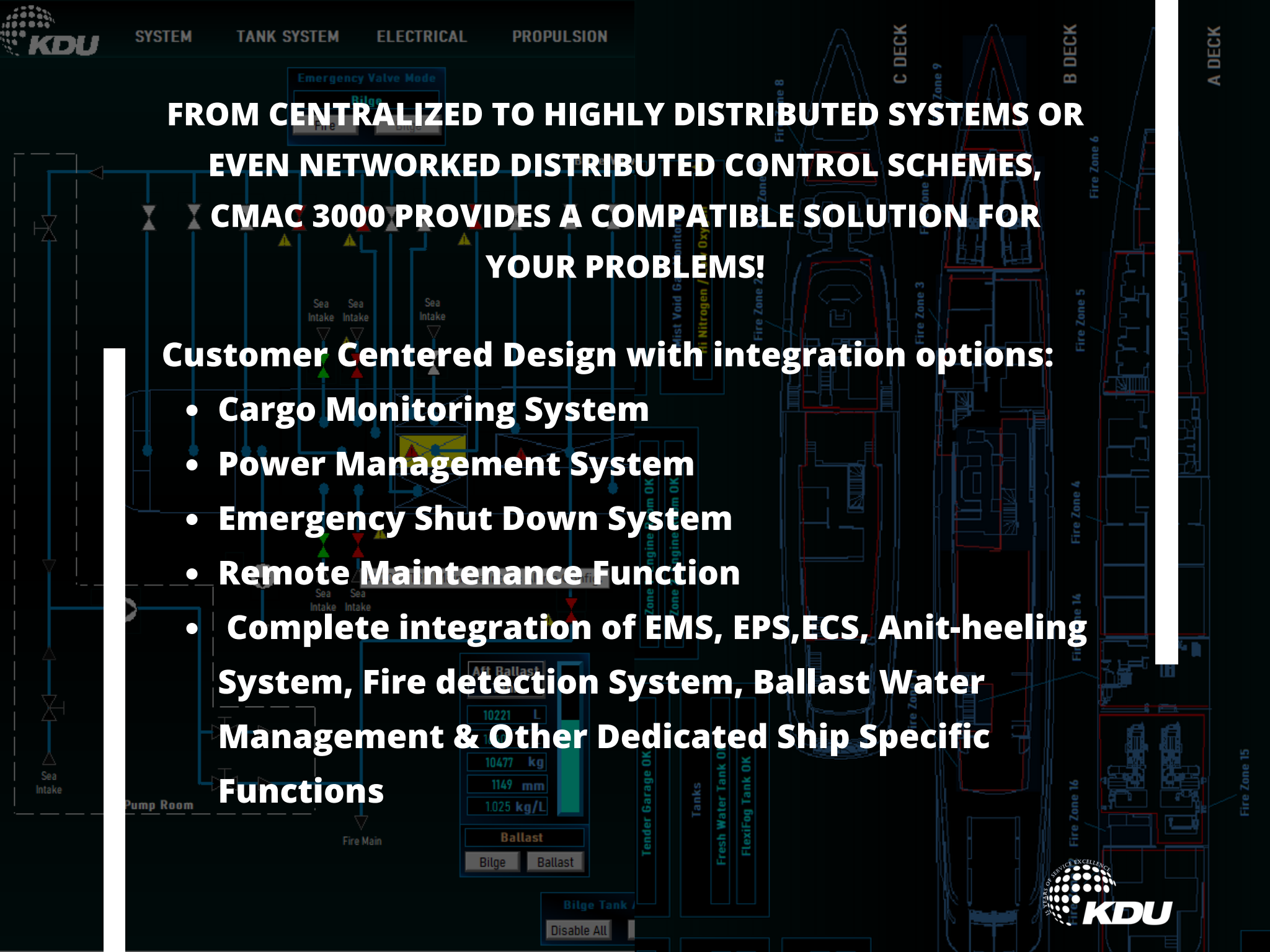
ELECTRICAL

PROPULSION

**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 IN

ENGINE GEN.

AVL ENGINE-3

SWITCH BOARD

SHAFT & GEAR

SYSTEM

FUNCTIONAL

ALARM SUMMARY

BILGE SYSTEM

AVL 1115 BILGE
CARGO HOLD-4 PB
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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