

# THE CM-1000 SERIES NEW ENHANCEMENTS FOR BETTER VESSEL PERFORMANCE

**YOU CAN MAXIMIZE SHIPBOARD PUMPING EFFICIENCY,  
REDUCE OPERATING COSTS AND MAXIMIZE UPTIME  
WITH THE SMART TECHNOLOGY CM-1000 SERIES.**

Recent case studies have proven the CM-1000, an intelligent controller for seawater cooling systems, can deliver energy cost savings of up to 85% and reduce seawater pump maintenance costs by up to 50%. Now, a host of new features offer vessel operators even better performance than ever before.

## BRIDGEVIEW

Sends data from the cooling system and its pumps to a computer making it easy to record and analyze trends in temperature and monitor data through any Windows® operating system.

## STANDBY EXCLUSION

Allows you to exclude the standby pump in 3x50 cooling systems from monitoring and control, which eliminates the need for the converter and cabling. If one of the operational pumps fails, the CM-1000 will sound an alarm and a standby pump will take over.

## ALL OFF

The CM-1000 will shut down the pumps completely if the ship is at a standstill or steaming only slowly in a cold environment, providing significant energy savings.



## COOLER CLOGGING SUPERVISION

Monitors cooler status to assist you in planning and maintaining the cooling system. The CM-1000 Series uses sensors to monitor equipment and operating conditions of each pump and valve.

Data is exchanged via an Ethernet to provide real-time information and status indications to the control room. Visual and audible warning and alert alarms allow necessary system adjustments or service to occur.



This typical engine room demonstrates the placement of three cm-1000 intelligent controllers in a 3 x 50% pumping configuration. Individual pump controllers ensure optimum energy savings and reliability.

## TWO INSTALLATION OPTIONS

Ship owners and operators can now choose between two installation options. Option one, Turnkey installation by CIRCOR, involves approximately one week for complete installation, depending on the ship's timetable. Option two is a complete Cabinet Solution that includes switch cabinets and frequency converters, requiring only limited wiring of the ship.

## CALCULATE YOUR SAVINGS

Calculate your energy savings and CO2 emissions reduction with the CM-1000 Simulator Calculator at [circorpt.com/CM1000](http://circorpt.com/CM1000).



FOR ADDITIONAL INFORMATION VISIT:  
[circorpt.com/CM1000](http://circorpt.com/CM1000)

