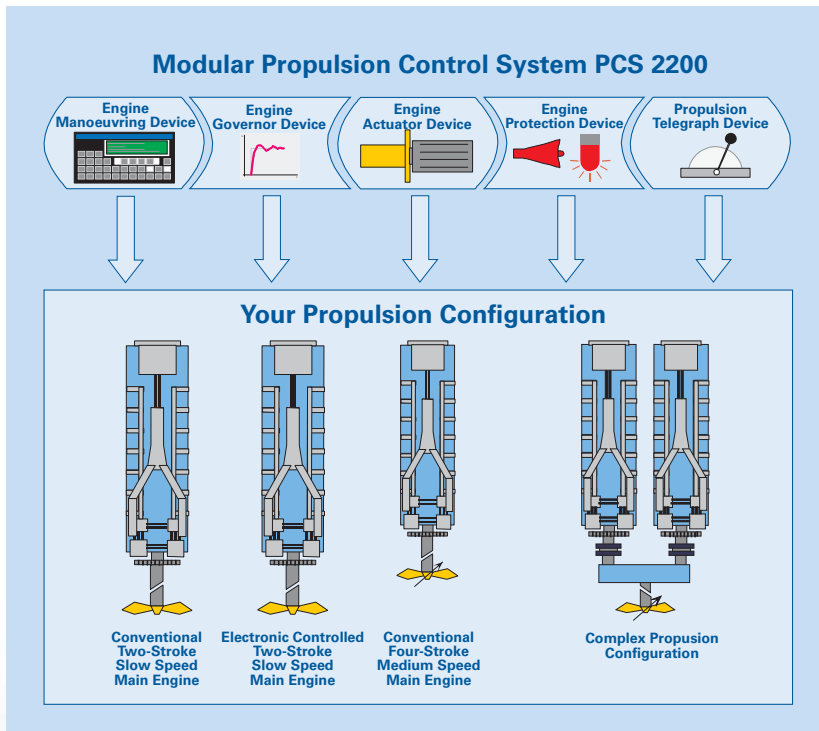


# PCS 2200 Propulsion Control System



# PCS 2200 Propulsion Control System

Expertise Covering Your Specific Propulsion Configuration



- PCS 2200 – Devices**
- Engine Manoeuvring Device EMD 2200
  - Engine Governor Device EGD 2200
  - Engine Actuator Device ACD 2200
  - Engine Protection Device EPD 2200
  - Propulsion Telegraph Device PTD 2200

## Propulsion Control

Lyngsø Marine and SAM Electronics have incorporated their experiences with automatic remote control systems for main engines to one common new system - the Propulsion Control System PCS 2200.

## System Philosophy

The PCS 2200 consists of a number of devices, which can be individually combined to fulfil the specific requirements of your propulsion configuration.

Based on this modular device system, the PCS 2200 supports the whole range of possible propulsion configurations, covering single and multiple engine configurations, fixed and controllable pitch propellers as well as control of clutch, integration of shaft generators and pony motors.

The PCS 2200 is class approved by all leading societies and licensed by the major main engine manufacturers.

**Conventional Two-Stroke Engine**

Slow Speed Main Engine with Fixed Pitch Propeller or Controllable Pitch Propeller

**Electronic Controlled Engine**

Slow Speed Two-Stroke Main Engine with Fixed Pitch Propeller or Controllable Pitch Propeller

# The Safe and Reliable Solution

## Modular and Flexible

As a part of our 2200 Automation series, the PCS 2200 is a highly flexible and modular system, based on standard hardware and software modules.

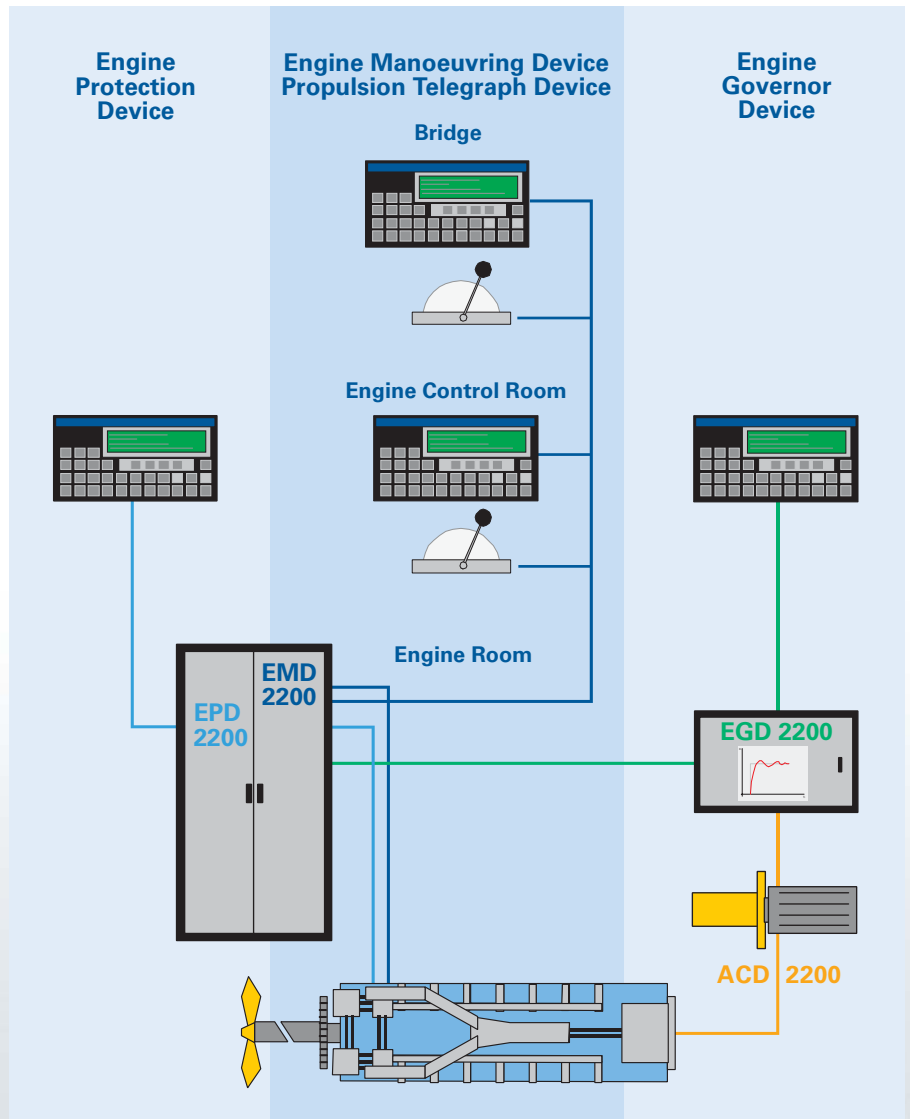
The system is supplied as a stand-alone system or as an integrated solution of Lyngsø Marine and SAM Electronics' Monitoring and Control System. The PCS 2200 may easily be adapted for communication with other systems.

All this provides simple, reliable and highly cost efficient installation and operation.

## Experience

With more than 1000 propulsion control systems, installed on various types of vessels with different propulsion configurations since the 1950th, Lyngsø Marine and SAM Electronics have proven their capability of supplying state-of-the-art propulsion control systems, fulfilling the demands of our customers as well as following the continuous development of main engine technology.

**This makes us a reliable and leading partner to the shipping industry – to you!**



**Four-Stroke Engine**

Medium Speed Main Engine with Controllable Pitch Propeller

**Complex Propulsion Configuration**

Multiple Engine Configuration with Fixed Pitch Propeller or Controllable Pitch Propeller, Gearbox, Clutch Control, etc.

# Competence in Automation



Lyngsø Marine A/S and SAM Electronics Automation Division are among the world's major suppliers of marine equipment with a long tradition in ship automation starting from the very beginning of ship-based computer technology in the 1950's.

Starting with a cooperation we have achieved true PartnerShip. In the process we have successfully merged our worldwide activities in

- Sales
- R&D and
- Service

based on a harmonized product portfolio and a common product family.

As a result our PartnerShip offers a wide range of cutting-edge automation solutions designed and produced with the aim of providing optimal

- Cost efficiency
- User-friendly operation
- Flexibility
- Reliability
- Safety

All this is backed by

- A worldwide service organisation
- Regional competence centers.

Our more than 10.000 installations worldwide are your guarantee for proven systems with unrivalled performance — all over the world for all kinds of vessels.



**Choose the Automation Specialists –  
Lyngsø Marine and SAM Electronics**



**SAM  
Electronics**

Lyngsø Marine

an  communications company

Lyngsø Marine A/S

2, Lyngsø Allé  
2970 Hørsholm · Denmark  
Phone: +45 45 16 62 00  
Fax: +45 45 16 62 62

E-mail: [info@lyngsoe.com](mailto:info@lyngsoe.com)  
[www.lyngsoe.com](http://www.lyngsoe.com)



**SAM  
Electronics**

an  communications company

SAM Electronics GmbH

Automation  
Behringstrasse 120  
22763 Hamburg · Germany  
Phone: +49 40 88 25 24 33  
Fax: +49 40 88 25 41 16

E-mail: [info@sam-electronics.de](mailto:info@sam-electronics.de)  
[www.sam-electronics.de](http://www.sam-electronics.de)