

CAESAR PROPULSION CONTROL SYSTEM - FPP

CAESAR Propulsion Control Systems (PCS), are configurable to suit nearly all types of Fixed Pitch Propellers (FPP), engines, e-motors and gearbox combinations, on all types of (hybrid) vessels. For different applications, the PCS-systems can be tailored with different operating modes. The different modes like power or speed mode, enhance the control for different circumstance like transit, manoeuvring to ultimately improve the operating comfort. The CAESAR closed loop control integrates all required functionality to prevent the engine from stalling and performing outside the engine operating envelope, like: RPM boost, ramp up & down of the engine and crash stop functions. Furthermore, systems are fitted with separate back-up control for local and emergency operations.

All systems are built; to suit customer requirements and according to the rules and regulations of classification societies. Systems are composed of Kwant Controls components and high-quality Commercial-Off-The-Shelf hardware.



Optional functions:

- Extendable with additional control stations
- Motorized levers/electrical shaft functionality
- Haptic feedback
- Custom-defined panel layouts
- Engine Start-Stop control and interlock function
- Gearbox; trolling, protection, alarming or engine stall/clutch off
- Alarming and logging (HMI)
- Parameter adjustment
- Synchronization for multiple propellers
- External interfacing (AP, DP, VDR, etc.)
- Indication (HMI)
- Joystick control

Also available Controllable Pitch Propeller, Rudder, Azimuth and Transvers thrusters control system, ask for all the possibilities.

