

SANCONTROL

REMOTE CONTROL VALVE SYSTEM



SANDERMARINE
MARINE + OFFSHORE EQUIPMENT

SANDERNAVY
NAVAL EQUIPMENT



BETTER TAKE SANDER ON BOARD

SANCONTROL Remote Control Valve System

Due to SANCONTROL's versatile design, valves may be operated by SANTORQUE hydraulic / electro-hydraulic actuators as well as by pneumatic or electric actuators – exactly meeting your requirements!



We are certified
according to
ISO 9001: 2015
Cert.no. 10213168

Safe operation even in the harshest of conditions

- / Open deck -55°C to engine room +55°C
- / Hazardous atmosphere
- / Submerged IP68 installation in a tank possible

Full integration for full control

SANDER's modular SANSYS control and monitoring system provides your crew with all required status information and corresponding options for action. SANSYS Pro combines a simple user interface with a hardwired or Modbus connection to ship's integrated automation system IAS. The more advanced SANSYS Chief / SANSYS Master additionally provides a graphic touch screen display and interacts with pumps, ballast water treatment system or external systems. It can be integrated with SANVALUE tank level gauging and bunker alarm, SANHEEL anti-heeling, SANDRAFT draft measuring systems etc.

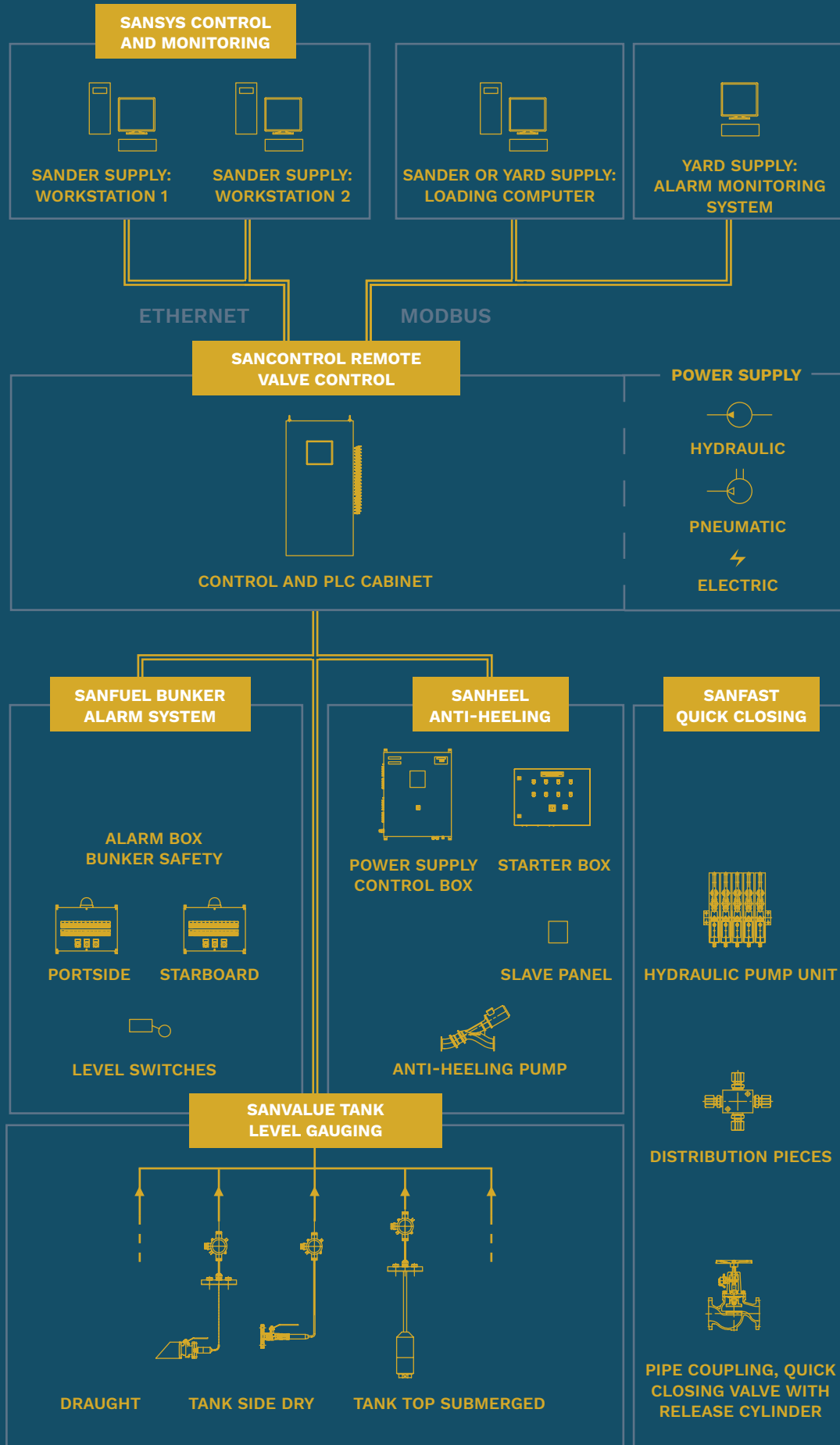
Expandable and customizable to your needs

/ Add customized mimic monitoring and additional workstations

/ Optional upgrades:

- / Increased operational safety: Several levels of redundancy (power supply, network, PLC etc.)
- / Simple operation: Mimic diagram monitoring
- / Easy maintenance: Integrated manuals, spare parts lists, technical drawings

CONTROLLING SANDER MARINE VALVES & ACTUATORS



INCREASE EFFICIENCY. REDUCE RISKS.

SANCONTROL – A typical setup

/ **Control cabinet**

/ **Hydraulic power unit (hydraulic system only)**

/ **External pressurized air supply (pneumatic system only)**

/ **Valves with**

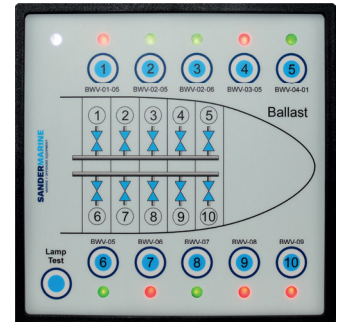
- / Actuators (hydraulic / electro-hydraulic / pneumatic / electric)
- / Local power units (electro-hydraulic system only)
- / Limit switches or position feedback
- / Optional emergency operation devices (hand wheel / hand pump)

/ **Optional SANSYS Chief / SANSYS Master monitoring**

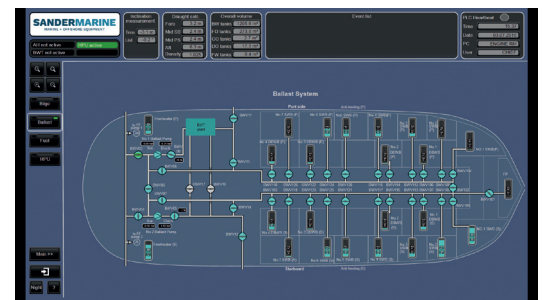
/ **Optional external workstations**

/ **Optional interfaces to**

- / Vessel's integrated automation system IAS / alarm monitoring system AMS
- / External pumps
- / Ballast water treatment system
- / Other SANDER fluid management systems



RCVS System – SANSYS Pro



RCVS System – SANSYS Master

✓ Our hydraulic equipment complies with the most recent **industry standard EN 15714-4**. This ensures long lifetime, easy maintenance and long-term availability of hydraulic spares and accessories.





FULL CONTROL AT ANY TIME

Directing the flow

A remote control valve system (RCVS) directs the transport of fluids (ballast or bilge water, fuel oil, cargo etc.) onboard a ship. Valves are opened or closed by hydraulic, electro-hydraulic, pneumatic or electric actuators. Limit switches (open/close) or positioners (0-100% open) report the valve's status back to the RCVS.

Uncompromising safety and easy operation

Depending on class requirements, valves can be equipped with emergency operation via hand wheel or hand pump and/or include a fail-safe self-closing / self-opening feature.

Besides valve operation a RCVS regularly allows the operation and monitoring of external pumps or a ballast water treatment system.

The SANSYS control and monitoring system is used to operate the RCVS from the central control cabinet or decentralized locations such as bridge, cargo control room, pump room etc. The status of the RCVS can be visualized with a tabular overview of the valves or a customized graphic display of the complete piping system.

SANCONTROL may be linked to the vessel's integrated automation system (IAS) or alarm monitoring system (AMS) by wiring or bus interface.

SANCONTROL RCVS is accepted by all major class societies, such as DNV-GL, LR, BV, RMRS etc.

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