

Steering system for submarine

Steering system for the control of submarine manoeuvrability.

THE SYSTEM COMPRISES

- A steering console station allowing:
 - Automatic steering mode
 - Manual steering mode
 - Normal monitoring
 - Emergency monitoring
 - Hydroplanes servo loop control
 - Propulsion, weighing and trimming commands
 - On board diagnostic
- Hydroplanes servo loops with:
 - Servo valves for the control of hydroplane actuators
 - Hydroplane position sensors
- Integration and factory tests:
 - Servo loop performance validation on hydraulic test bench
 - System integration and tests
 - Validation platform
- On board practice console:
 - Modelling of submarine manoeuvrability
 - Incidents and faults generation
 - Steering practice scenario
- On-board integration and tests assistance:
 - Setting to work
 - Commissioning
 - Harbour and sea tests technical assistance
- Maintenance:
 - Technical Documentation
 - Maintenance training
 - Logistic
 - Diagnostic and repair tools
 - Tests platform



MAIN CHARACTERISTICS

- Compact and modular design
- Segregation of function \longleftrightarrow safety
- "OPSYS" Architecture \longleftrightarrow proven PLC design, high computing level
- On board monitoring, diagnostic tools \longleftrightarrow low maintenance costs
- Comprehensive factory tests on platform \longleftrightarrow low setting and commissioning costs
- Steering modelling tools \longleftrightarrow on board training system
- Customer's mimics adaptation

Data are given by way of illustration and are liable to be modified without notice