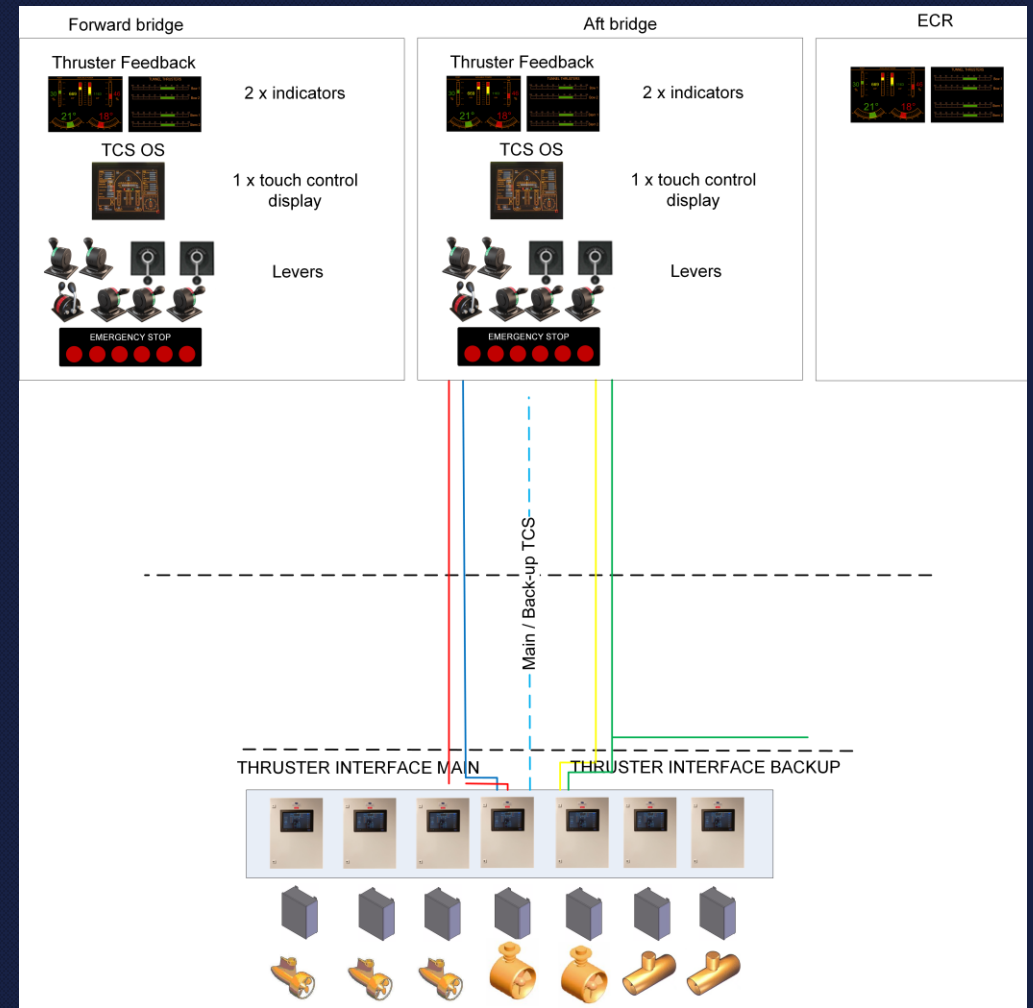


Bridge Mate Thruster Control System



Bridge Mate TCS benefits

- Thruster manufacturer agnostic
- Compatible with all thruster/propulsion types and makes
- No single-point-of-failure
- Fully redundant main and back-up controllers
- Fully redundant network topology
- Built-in redundancy in levers using dual pot-meters
- Class compliant
- Seamless integration with Autopilot, DP, IBS, Conning
- Efficient installation
- Ethernet (PoE) system wiring
- Spare parts commonality with DP and IBS
- Extremely robust and reliable
- Well proven with 100+ systems in active duty
- Suitable for complex and simple systems
- Newbuild and retrofits
- De-centralized control algorithm. Each drive controlled by two dedicated computers.
- Fully scalable and future proof



- Main and back-up indicator on 13" or 17" display
- Touch operated control panel with
 - Thruster setpoint and response indicators
 - Clutch operation
 - Alarm handling
 - Synchronization options
 - Bumpless transfer
 - Give and take command
 - Full or partial command transfer
 - Diagnostics
 - Operating mode selection
 - Start and stop
 - Dimming control





Thruster control cabinet with

- Local control for emergency steering
- Dual redundant control computer pr drive
- Control electronics and CPU seperated from wiring terminal blocks for fast and easy repairs
- PoE wiring

Console mounted



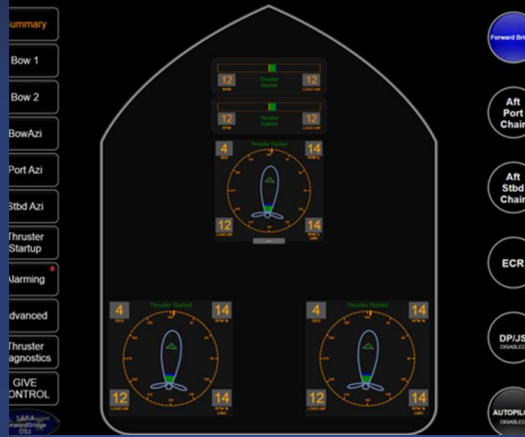
Chair mounted



Overhead indicators



Intuitive HMI





TCS Reference Customers

