INTEGRATED CONNING INFORMATION AND ALARM SYSTEM

The K-Bridge Conning system makes vessel information easily available for efficient monitoring of navigation and automatic track-keeping.

The K-Bridge Conning system is a screen-based information system (26" TFT display) for navigators. It collects sensor input, rudder and propulsion feedback, and steering orders (set-points) from different navigation systems and instruments, and presents them conveniently on a single conning information screen. The data is displayed on and around a representation of the ship that shows the location and status of the thrusters and rudders.

The screen can be easily viewed from a distance of up to two meters.

FEATURES

Orders displayed
The orders displayed on the screen are:
• Course
• Turn radius
• Rate of Turn (ROT)

Own-ship status
Own-ship status information displayed includes the current:
• Heading
• Turn rate
• Rudder angle
• Speed forward, astern and (if supported by the log system) athwart ship
• Pitch of the thrusters (if applicable)
• RPM and pitch (if applicable) of the main propeller
• Water depth
• True and relative wind speed and direction

Track control
The track control information displayed on the screen includes:
• Distance and time to the next WOP
• Off-track distance and limit
• Position receiver selected
• Track steering operator station in command
• Autopilot mode
• Estimated time of arrival

Alarm system
The alarm system includes:
• Bridge watch (BNWAS) alarms
• An (optional) off-course alarm independent of the autopilot
• A full alarm history
The K-Bridge system has been assessed and found to comply with the DNV “Rules for Classification of Ships” Pt.6. Ch.8 Sec 6 and Pt.6. Ch.20 Sec 4, including with the specific rules concerning Conning display systems.

### Display

Resolution 26": 1920x1200 pixels

### Electrical

- **Input voltage:** 230 VAC +/- 10%
- **Frequency:** 50/60 Hz +/- 5%
- **Power consumption:** 340 W

Specifications subject to change without any further notice.