

K-Bridge Conning



KONGSBERG

Benefits

- Certified cyber-secure, according to the requirements of IEC 61162-460 (2024).
- Orders displayed include course, turn radius, rate of turn (ROT).
- Own-ship status includes heading, turn rate, rudder angle, speed forward, astern, and athwart ship (if supported by log system), thruster pitch/RPM, propeller pitch/RPM, water depth, wind speed and direction (true, relative).
- Track control data includes time/distance to next WOP, XTD/XTL, route ETA.
- Alarm system includes BNWAS alarms, BNWAS control pane, optional off-course alarm (independent of autopilot), full alarm list.

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 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.



Technical data

Electrical

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

Display

Size	27", 32", 43", 55"
Resolution	1920 $\times$ 1080 pixels

Type approval

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 the specific rules concerning Conning display systems.