PRODUCT DESCRIPTION

L3 Maritime Systems (L3 MS) provides both commercial and naval bridge and navigation designs, depending on program requirements. Our designs and products are on the USS Independence (LCS-2), USS Zumwalt, (DDG-1000), LHD-8, LHA-6 and the USCG’s Sentinel-class Fast Response Cutters, as well as the U.S. Navy’s Ship-to-Shore Connector program.

Our design approach is based on a successful history of systems integration expertise, seagoing experience and innovative engineering. We select and provide best-in-class components and technologies from a variety of trusted manufacturers and integrate them seamlessly into a system that provides the best-value solution to meet our customers’ specific requirements.

L3 MS creates a range of designs from ship control consoles fitted with OEM equipment to “under glass” integrated systems. For integrated systems, we use a video routing technology that allows any application to be monitored and controlled from any display location to expand operational capability with the flexibility to use any existing OEM software package. The ergonomics of the ship control console is optimized to suit each vessel’s unique bridge layout. The operator can control the vessel using a joystick interface, or a conventional helm wheel with operating levers.

The L3 Henschel ship control and navigation family of products includes a full suite of systems, components and subsystems. L3 Henschel’s products range from individual indicators and small situational awareness subsystems to complete integrated bridge systems that monitor and control all aspects of ship control and navigation on naval platforms. These products are fully qualified for military applications and fielded on U.S. and international navy surface and subsurface platforms with demonstrated reliability.

DESIGN CAPABILITY

Ensuring that customers get the right solution, our design process includes development of a full mockup of your bridge space and a rapid prototype of the ship control consoles. This mockup is used for formal ergonomic analysis and operator functional evaluation after which a production prototype can be manufactured for final evaluation prior to release for production.

This document consists of general capabilities information that is not defined as controlled technical data under ITAR Part 120.10 or EAR Part 772
NAVIGATION DATA DISTRIBUTION

L3 MS’s data distribution system interfaces with navigation sensors and makes the data available to all users. Our systems support the standard NAVSSI interface as well as NMEA 0183 and synchro-based devices and provides both IP and hardwired outputs to users.

NAVIGATION SENSORS

L3 MS’s designs are not only built around internal products, they are created to meet the needs, options, capabilities and cost requirements of our customers. We source world-class navigation sensors from OEMs to best meet your unique requirements.

CHART SYSTEMS

Offering both commercial ECDIS and naval ECDIS-N chart systems, we use COTS ECDIS products from multiple suppliers, based on the best solution for the specific application.

FEATURES

- ECDIS-N
- Autopilot
- Propulsion and steering controls
- Navigation displays and indicators
- Automatic or manual control
- Current and legacy navigation sensor interfaces
- Modular components
- Industry-standard interfaces supporting Open Architecture (OA)
- Navigation data collection, processing and distribution
- Intuitive Graphical User Interfaces (GUIs)
- Discrete or network-based connectivity
- IMO, and ABS compliant designs

L3 Maritime Systems

Use of U.S. DoD visual information does not imply or constitute DoD endorsement.