

# LNA with AES Lifeboat Navigation Assistant with Automatic Escape System

## Steering System and Automatic Navigation Assistant for Lifeboats

The Scanmatic product LNA is a gyro based system which provides visual information, in the form of an arrow, guiding the lifeboat pilot in a safe direction away from the installation. This is of especial importance in limited visibility conditions due to smoke, fog, darkness or harsh weather conditions.



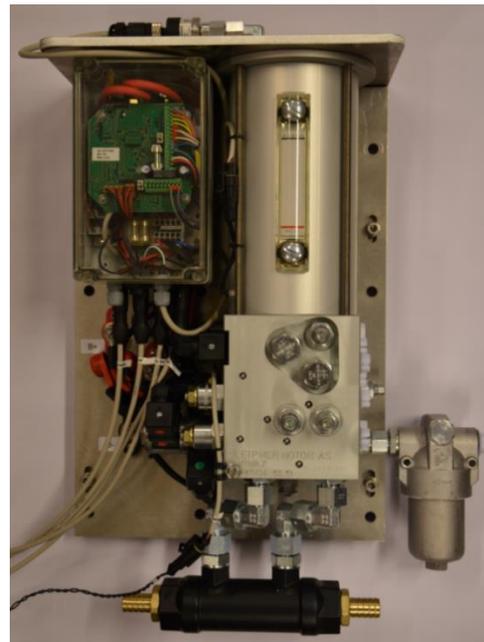
*The LNA is a well-established standard safety component fitted on more than 200 lifeboats stationed on platforms in the North Sea.*

To enhance the safety potential of the LNA, Scanmatic in close collaboration with Statoil, has developed the "LNA with AES" which in addition to the traditional LNA functionality incorporates a complete electro hydraulic steering system, a rudder indicator system and an Automatic Identification System (AIS).

### Servo steering

The electrohydraulic servo system reduces the number of wheel turns when steering. Without this system the lifeboat helm would typically require 15-20 turns for a full rudder rotation, compared to 4-6 with the inclusion of the steering system. The system also reduces the necessary force required to turn the helm. These advantages make the lifeboat much easier to operate for the lifeboat pilot, especially in harsh weather conditions.

The steering system facilitates the use of the AES functionality which automatically steers the lifeboat in the direction indicated by the LNA heading display.



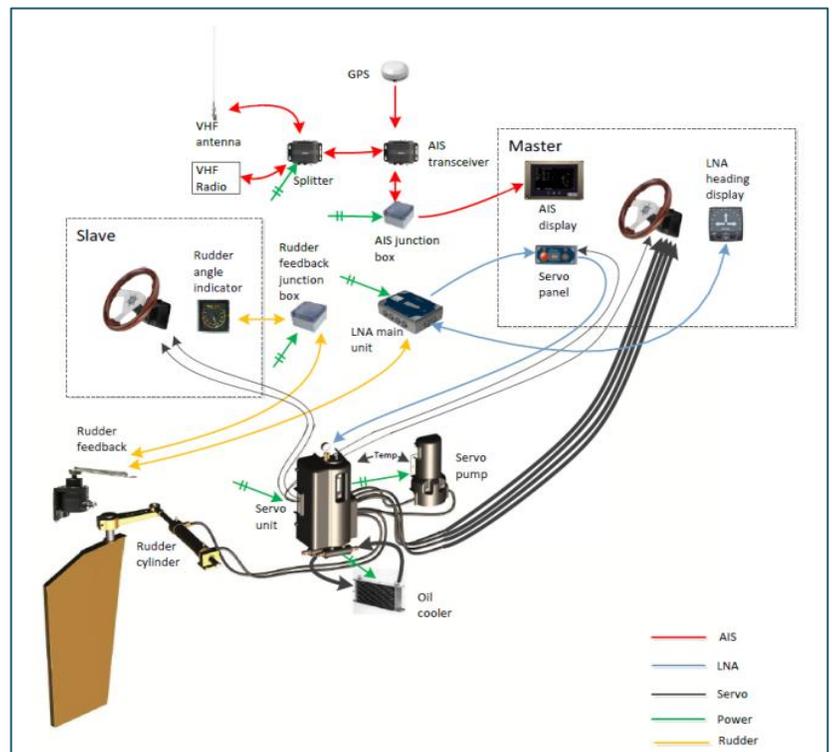
## AIS (Automatic Identification System)

The Scanmatic AIS system is a separate, stand-alone system which in a user friendly way provides a heightened situational awareness for the lifeboat pilot, with anti-collision being the primary objective. In addition the AIS provides information about the lifeboat's position, speed and bearing to the coordinating rescue team, enabling a better basis for decision making and easier communication with the lifeboat pilot.



## Package

- LNA main unit
- LNA heading display
- Servo steering unit
- Servo pump unit
- Steering cylinder
- Servo alarm panel
- Oil cooler
- Electrical helm pump
- Electrical/hydraulic helm pump
- Hydraulic hoses and fittings
- Rudder feedback unit
- Rudder indicator
- AIS transceiver w/GPS antenna
- AIS/VHF antenna splitter
- AIS display
- Junction boxes
- Electrical/signal cables
- Installation and user manuals



## Advantages

- Easy installation - plug and play
- Length of all electrical cables and hydraulic hoses customized to lifeboat type
- Ruggedized components
- All components at least IP56
- Rudder indicator system in accordance with MED (Marine Equipment Directive)
- Designed to meet Statoil's GL0437
- Compliant with DNV-OS-E406

**For more information, please contact:**

Scanmatic AS

Email: [company@scanmatic.no](mailto:company@scanmatic.no)

Tel: +47 37 05 95 00