

# eLog electronic Logbook



# Digitized books with high data quality and global data access

The Anschütz eLog is an electronic logbook consisting of a small gateway computer and a web browser application. eLog enables automated and digitized logbook entries that eliminate the cost and effort of paper logbook logistics while guaranteeing high data quality and global data access via a cloud.

## Key Benefits



### Secure, global available data

eLog uses blockchain technology and a data interface to a cloud.

- Secure, tamperproof digital archiving of data
- Data access from anywhere in the world through a generic, modern web interface
- Enables shore side inspection of data or reuse of data for other applications



### Trust in data quality

Reduces to eliminate the risk of improperly filled or incomplete logbooks.

- Automatic data inputs of navigational sensor data, additional supported data entries
- User-friendly templates for fast and reliably logbook records
- Plausibility checks of logbook data
- Reduces workload for crews



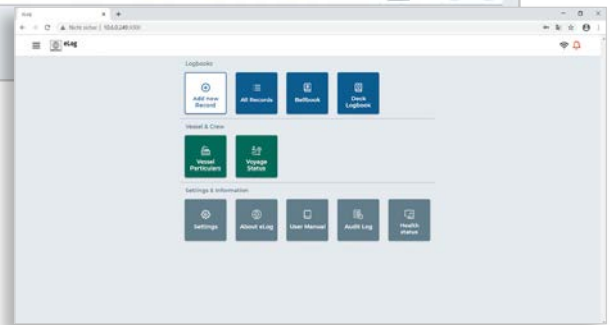
### Extremely cost-effective

The starting point for more efficient processes onboard and for reports.

- Low initial cost for setup and installation (can be done by ship's electrician)
- Growing scope of logbooks marks a significant step toward paperless shipping
- No more costs and efforts for paper logbook logistic and handling

The screenshot displays the eLog application interface. At the top, there is a navigation menu with a hamburger icon and the 'eLog' logo. Below this, a search bar and a date range selector (2020/11/06 - 2020/11/09) are visible. The main area is divided into two columns. The left column shows a list of logbook entries with columns for 'Time' and 'Type'. The right column shows a calendar view for November and December 2020, with a grid of dates. Below the calendar, there is a table of logbook entries with columns for 'Author', 'Change', and 'crew/master'. The entries include various types such as 'Bouy no. 5 passed', 'Lighthouse Falkenstein passed', 'tug released', 'pilot released', 'navigation', and 'weather observation'. Each entry has a corresponding 'Change' column with a '+' sign and a 'crew/master' column with a checkmark or 'X' icon.

All traditional logbook entries can be made and viewed. The user enters new logbook entries with consistently high quality, regardless of disruptive factors such as fatigue, stress or weather. Incorrect entries can be edited, the change is displayed in a traceable manner. Vessel particulars can be set or a new voyage can be added. Settings and information are available, for example a complete digital user manual. The scope and the configuration of eLog may vary from ship to ship.

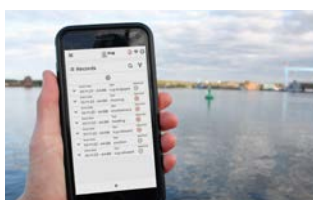


## Main Features

### High quality logbook data, high efficiency, paperless shipping.

- Includes deck logbook and bell book, noon report, IMO crew lists, as well as a cloud service with remote access, further logbooks are planned
- Automatic input of navigational sensor data at a defined time interval, e.g. every full hour
- Automatic plausibility checks of logbook data for higher data quality
- Unambiguous entries, presentation of data in a legible and searchable form
- Simple, time-saving search and filter function
- Linked records to visualize dependent logbook entries (e.g. pilots, tugs)
- Easy access to the history of the logbook data with day filter
- Creation of reports, printing and exporting data kept simple
- Sustainable digital information carrier of ship's operation documentation.

Learn more



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Visit [www.raytheon-anschuetz.com/eLog](http://www.raytheon-anschuetz.com/eLog), learn how our eLog will offer improved efficiency of logbook logistics and data usage aboard and ashore, and get a free demo.

# Technical Data

## Supply voltage & power consumption

- 24 V DC (18-34 V DC)
- Approx. 10 W

## Data input

- AIS Transceiver (required) 61162-1 / 61162-2 (NMEA) telegrams: position, speed and course over ground, heading, navigational status, destination, ETA
- Ship network (optional) IEC 61162-450 additional own ship and environmental and navigation data.
- eLogbook Cloud (web based)

## Data output

- VDR connection  
NMEA telegrams
- CAM connection  
Alerts according to IEC 62923-1/-2  
bridge alert management
- eLogbook Cloud (web based)  
Access to view data and create exports

## Storage capacity

- Main 32 GB  
(> 10 years with normal use)
- Backup 2 GB  
(> 2 years with normal use)

## In accordance with

- IEC 60945: 2002 Maritime Navigation and Radiocommunication Equipment and Systems
- ISO 21745:2019 Electronic record books for ships

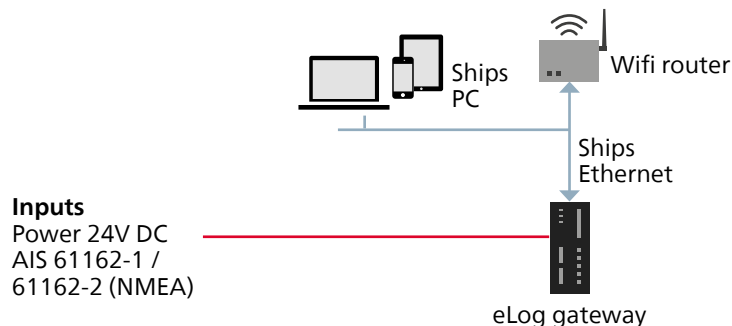
## Type of enclosure acc. to IEC 60529

- IP20

## Temperature range

- Operation: -40 °C ... 65 °C
- Storage: -40 °C ... 75 °C

## Basic installation



## Extended installation (depending on ship system)

