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# 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.





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

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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.



### Digitized books with high data quality and global data access

Visit 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



#### Extended installation (depending on ship system)



**Raytheon** Anschütz

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