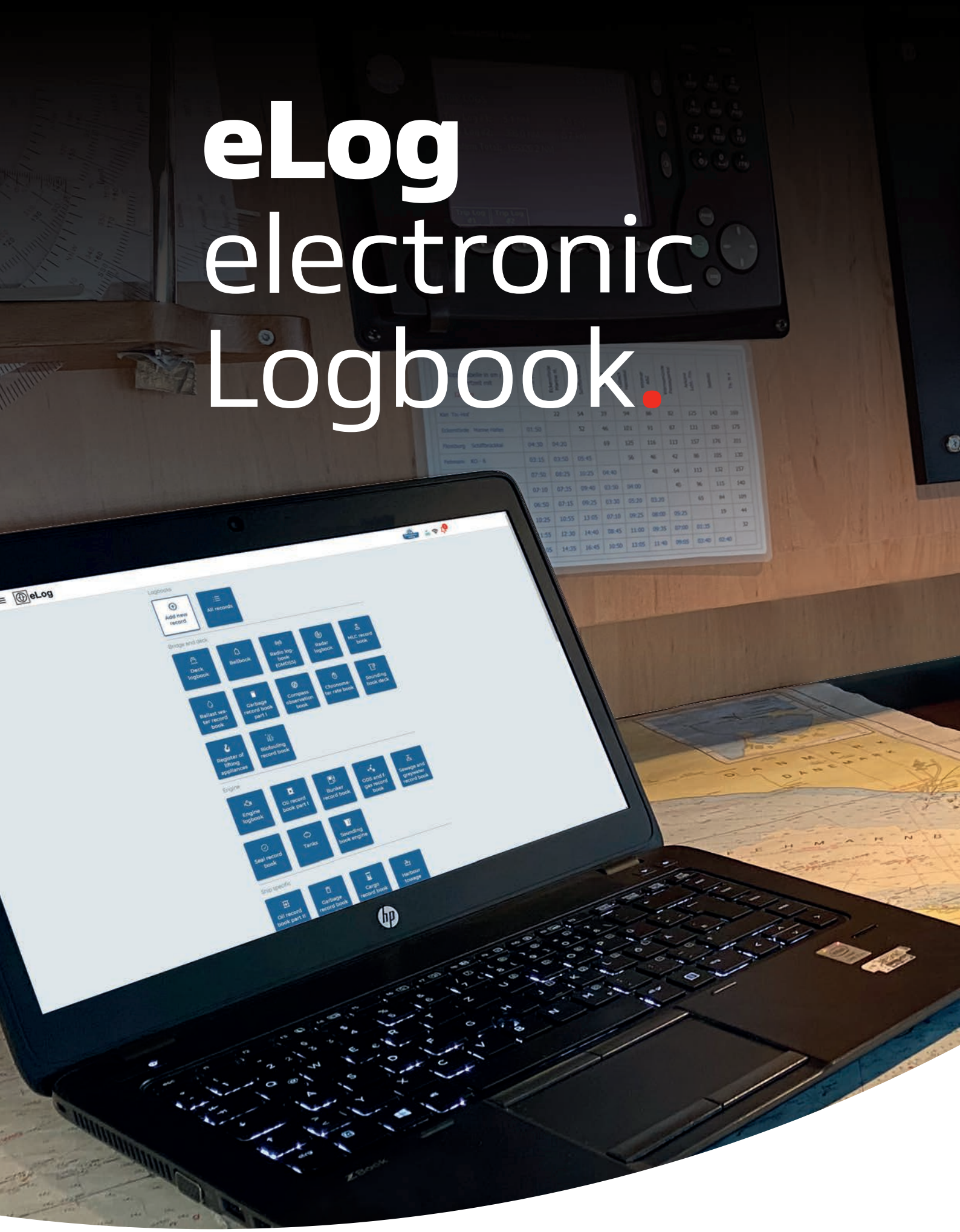
eLog electronic Logbook.



ANSCHÜTZ

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 anywhere in the world through a modern web interface enables shore side inspection of data
- Constantly growing scope of applications and integration with other systems enhance use beyond documentation (reliable source for consistent onboard data)

Trust in data quality

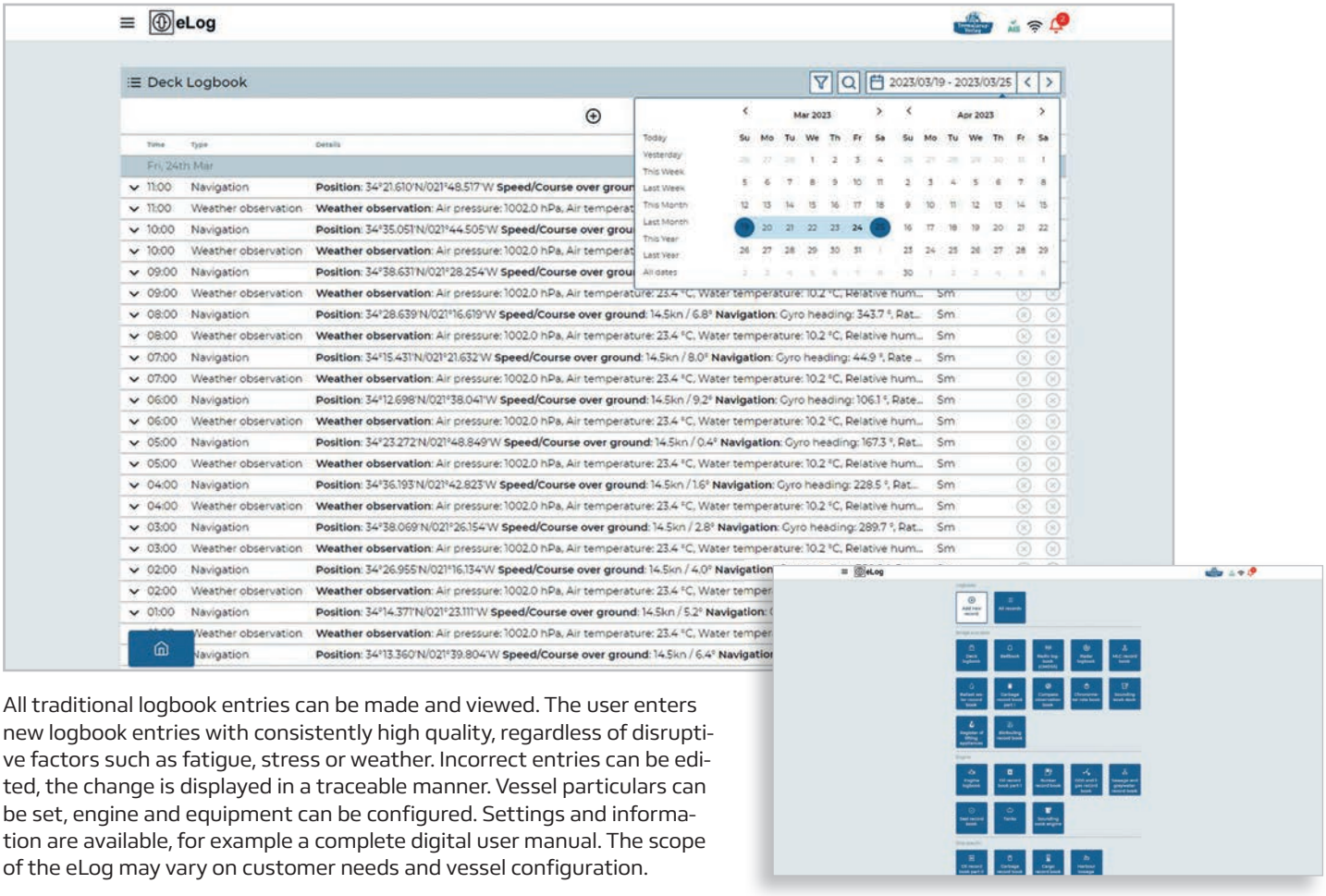
Reduces to eliminate the risk of improperly filled or incomplete logbooks.

- Improved accuracy thanks to automated data input (sensor readout acc. to IEC 61162-450) and data validation
- User-friendly templates for fast and reliably logbook records
- Plausibility checks of logbook data
- Modern user interface and simple templates (created by experienced masters and logbook makers) reduce workload for crew

Efficient and 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)
- Full scope of all required log- and record books for seagoing ships make paperless possible
- Fast and accurate one-click reporting, simplified audit processes



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, engine and equipment can be configured. Settings and information are available, for example a complete digital user manual. The scope of the eLog may vary on customer needs and vessel configuration.

Main Features

High quality logbook data, high efficiency, paperless shipping.

- Includes all relevant log- & record books (Bridge & Deck, Engine, MARPOL, Security, Medicine), reporting, IMO crew list, secure file upload, watch order as well cloud service with remote access
- Unambiguous entries, presentation of data in a legible and searchable form
- Simple, time-saving search and filter function
- Linked records make entries easier and less error-prone
- Easy access to the history of the logbook data with day filter
- Creation of reports, printing and exporting data kept simple
- Sustainable and compliant digital information carrier of ship's operation documentation
- Continuous updates according relevant regulations

Learn more

Digitized books with high data quality and global data access

Visit www.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 61162-1 / 61162-2 (NMEA) telegrams:
  position, speed and course over ground, heading
- Ship network IEC 61162-450
  additional own ship and environmental and navigation data

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. API possible
- StormGeo S-insight log

Storage capacity

- Main 128 GB
  (> 10 years with normal use)
- Backup 128 GB
  (> 10 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
- MEPC 312(74)- Guidelines for the use of electronic record books under MARPOL
- BWM.2/Circ.80 Guidance on ballast water record-keeping and reporting
- MEPC.369(80) Amendments to the International Convention for the Control and Management of Ships' Ballast Water and Sediments, 2004

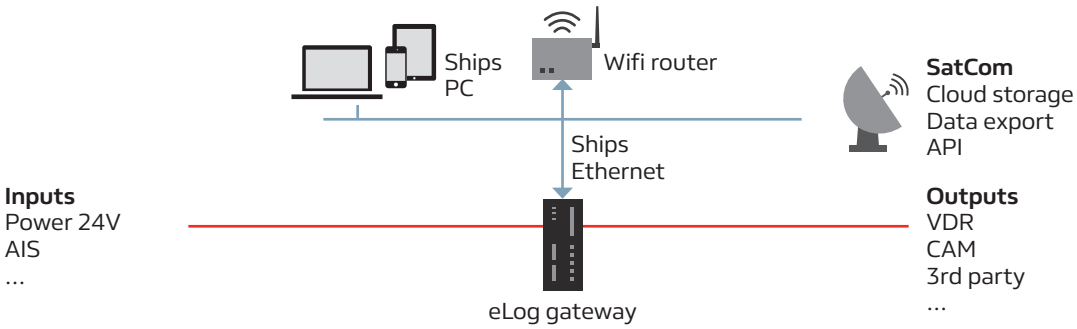
Type of enclosure acc. to IEC 60529

- IP20

Temperature range

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

eLog System overview



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