

VisuShip 6.0

Operating Instructions

for Owners and Users

How to use VisuShip

What you see on the screen, what the indicators mean and what you can do with them. You do not need any technical knowledge.



Monitor

Alert

Control

Analyze

This guide describes the operation onboard. Installation and technical equipment not included.

OVERVIEW

Contents

The first chapters explain the operation in everyday life. This is followed by the individual areas - energy, navigation, onboard data and onboard functions. You do not need to read the instructions from front to back; Each chapter is understandable by itself.

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FIRST TIME ONBOARD

How to reach VisuShip

VisuShip does not run as an app; it runs in your browser. All you need is a smartphone, tablet, or computer. Onboard, VisuShip provides its own Wi-Fi network, which you connect to like any other network.

1

Connect to the VisuShip-WLAN

Open the WLAN settings of your device and select the VSC2 network.

2

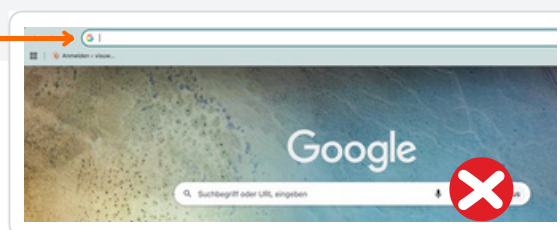
Enter WLAN password

Password: visuship

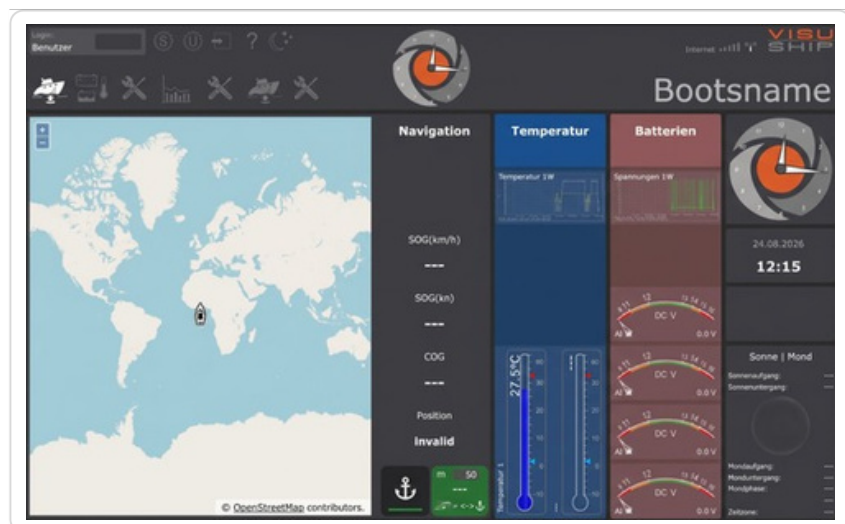
3

Open VisuShip in the browser

Enter vs.lan in the address bar of the browser - not in the search field. Alternatively, vs or 172.20.20.1 work.



YOU'RE CONNECTED



You don't have to register for it. VisuShip immediately shows you the views set up for your ship.

Note

The WLAN selection looks different depending on the device. Once the connection is saved, your device will automatically find VisuShip onboard in the future.

Factory setting: visuship. If the password has been changed at the handover, use the access data documented for your ship.

01 - WELCOME ABOARD

Your ship. All important information at a glance.

A modern ship is technically like a house: electricity, water, heat, light. Only this is distributed onboard on many individual devices in different places. VisuShip brings the most important ones to a screen - You no longer have to look everywhere individually.



MONITOR

Batteries, energy, tanks, temperatures and navigation - even when you are not onboard.

ALERT

If a limit is exceeded, VisuShip displays a visible alert. You are notified in time instead of discovering it later.

CONTROL

Shared onboard functions can be operated directly - light, boiler, heating, depending on the equipment.

ANALYZE

Courses show how values have developed over hours or weeks.

What does that mean to you?

You don't need to know the technique behind VisuShip. This manual explains the interface from the owner's point of view: What do I see? What does it mean? And what can I do with it? You cannot break anything: Everything described here concerns the operation. The setup of your system remains unchanged.

02 - VISUSHIP AT A GLANCE

Overview

The most important information of your ship is brought together in clear views. They immediately recognize what is important - from the location to the state of all systems.

TWO TERMS USED THROUGHOUT

A view is a screen side. VisuShip can have several of them - for example, one for navigation, one for energy, one for onboard technology. Using the icons in the menu line, switch between them.

A widget is an individual field within a view - a tank gauge, a thermometer, or a switch. Each view consists of several widgets.

**Navigation**

Current position, course, speed, depth, onboard mode and anchor status at a glance.

**Batteries and Energy**

Charge status, voltages, currents and consumers including service status.

**Temperatures**

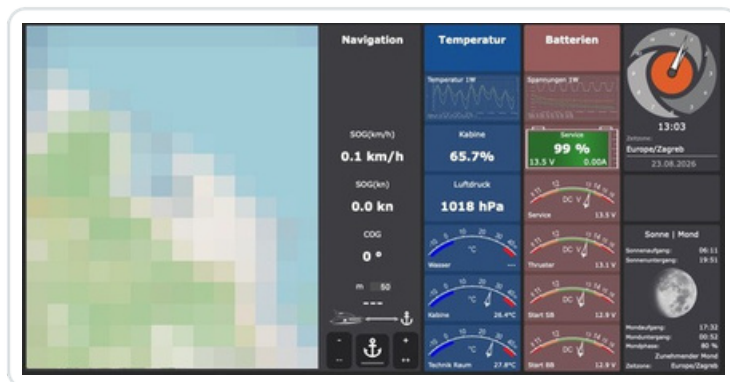
Important temperatures onboard - for example cabin and technical room.

**System status**

Overview of shore power, inverters (made from battery power 230 volts), chargers and other devices.

**Time & Info**

Time, time zone, date and sun and moon times.

**NOTE**

The displayed values are examples and may vary depending on the equipment and configuration of your ship.

TIP

Using the icons in the menu line, switch between the views that have been set up for your ship.

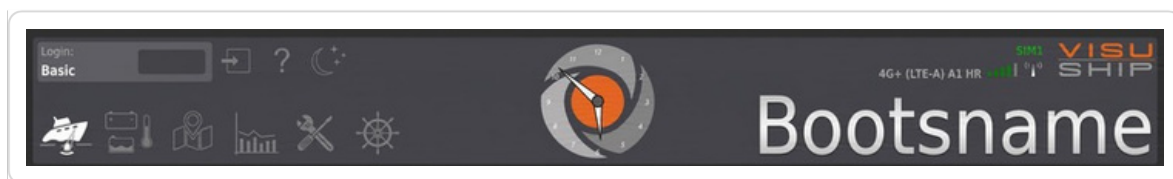
03 · EVERYDAY OPERATION

Menu and status bar

At the top there are two lines: the header with the state of the system and below it the menu line with which you switch the view.

THE MENU BAR: SWITCH VIEWS HERE

Each symbol represents a view set up for your ship - for example, navigation, energy or onboard technology. If you tap an icon, change the display. What symbols you see depends on what is set up on your ship. On two ships, this line therefore rarely looks the same.



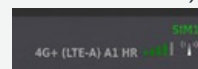
LOGIN

For normal operation, you do not have to register. Access is only required if you want to compile views yourself (see Chapter 05).



CONNECTION

Shows if VisuShip is connected to the Internet and how good the reception is. (Mobile and LTE symbols inform about the connection.)



DAY / NIGHT

adapts the representation to different lighting conditions.



ALARM

Indicates a message that has not yet been confirmed. (see page 8)



UPDATE

indicates that a software update is available.



NEWS

Shows new information from VisuShip.



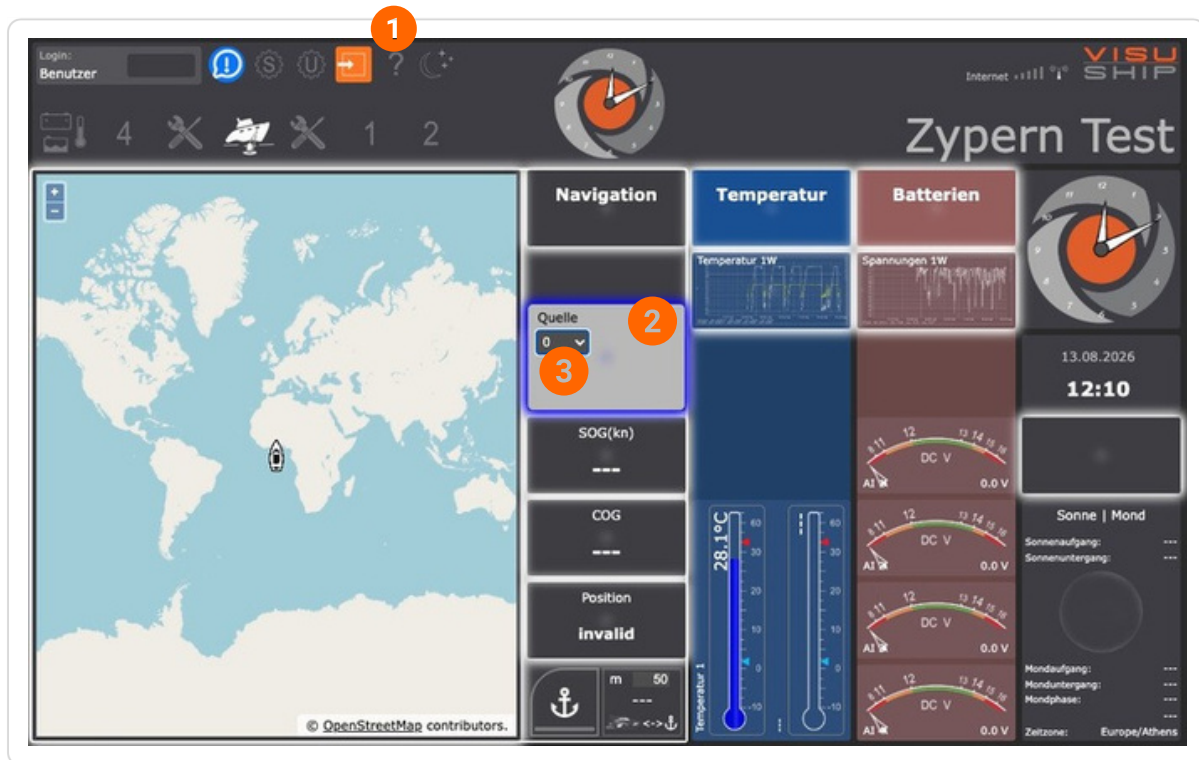
Remember

Switch the view below, see the state of the system above. What matters is whether a message, an update or a missing connection is displayed. Everything that needs your attention appears above.

03 · EVERYDAY OPERATION · QUICK SELECTION

Quickly change a display

Some widgets can be switched in normal operation without having to open the user setup.



1

tapping source selection

VisuShip marks the widgets for which a direct selection is possible.

2

Tap marked widget

A selection window opens.

3

Select desired source

For example, switch between several depth sensors.

Additional functions

Depending on the widget, the same selection can also open special functions - for example, setting an alarm threshold or saving a tank level.

04 · Alarms & Notifications

Three states - a clear meaning

A message can be new, already viewed or fully confirmed.

**1 · New message**

The full banner shows a new, as yet unconfirmed alarm message.

**2 · Seen but open**

The narrow bar means: The message has been viewed, but has not yet been definitively confirmed.

**3 · Confirmed**

If no more alarm is visible, the message has been confirmed or cleared.

Alarm and confirmation

Tap the alarm message or alarm icon to view the message. Then confirm the message in the open alarm view.

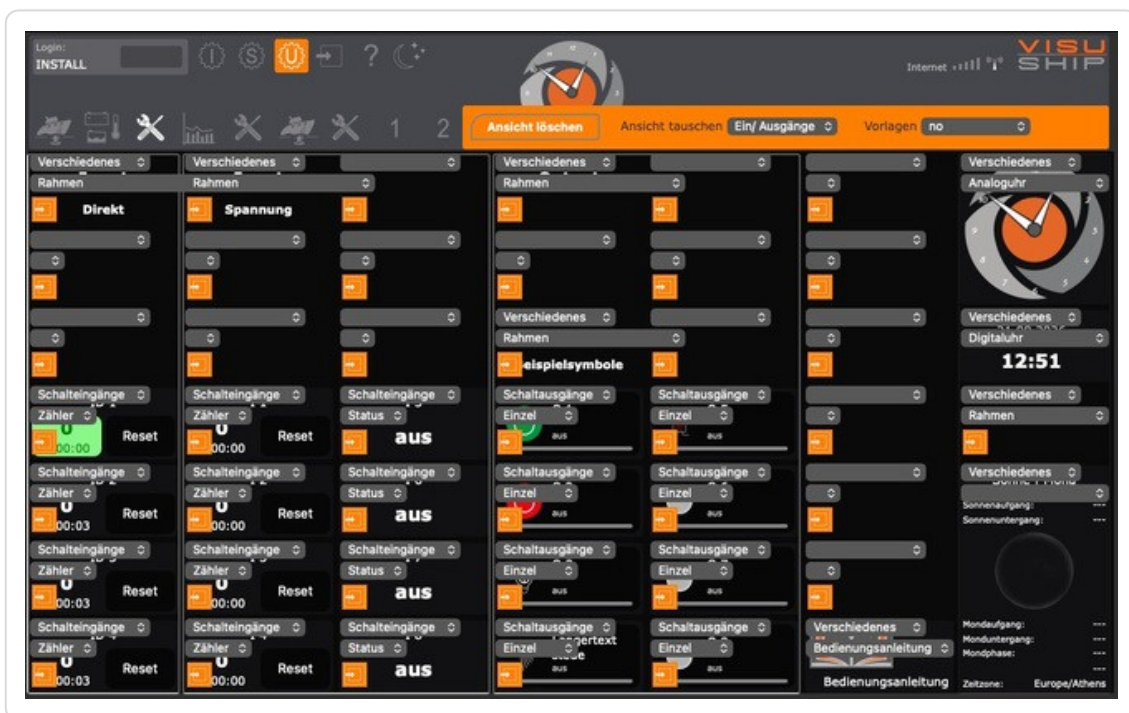
Important

As long as the small alarm symbol remains visible, a message is still open.

05 · PERSONAL VIEWS - USER SETUP

Putting together your own view

VisuShip displays information and operating functions in widgets. If your access allows it, you can select what appears on a page.



1 · Group

What do you want to display?
For example, temperature,
battery, tank or
navigation.

2 · Presentation

What should the information
look like? For example, as text,
graphic, thermometer or
pointer.

3 · Information

What specific information should
the widget use? For example,
the outside
temperature.

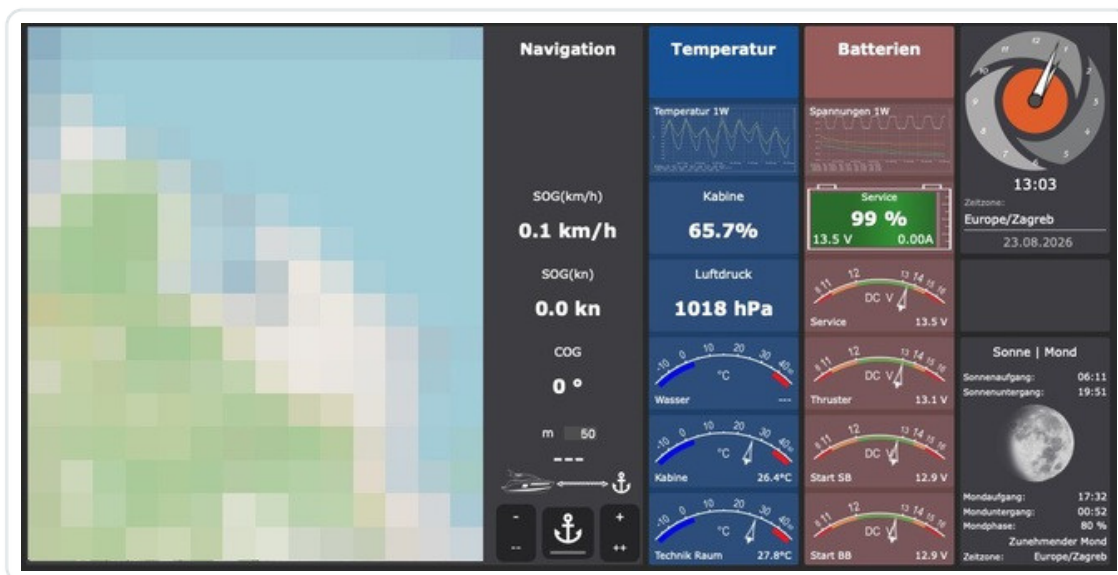
When data is missing

If information is not available when set up, it is not offered. If it fails later, an already set up widget shows "---".

05 · PERSONAL VIEWS - EXAMPLES

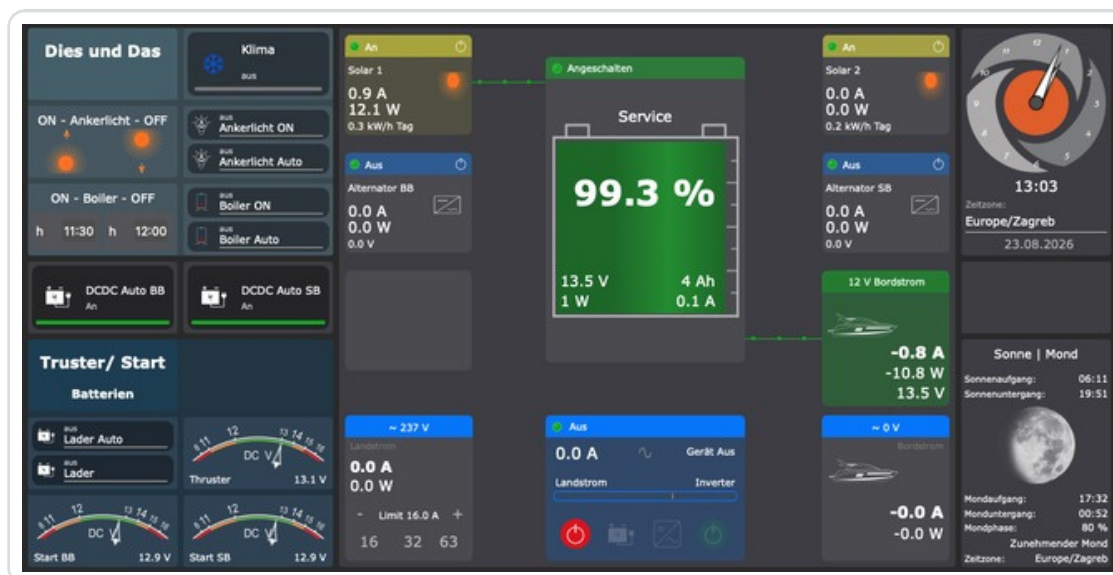
Onboard technology - Overview and energy

Two typical overall views. The screenshots are deliberately displayed large so that labels and values remain legible.



NAVIGATION AND SYSTEM OVERVIEW

Map, navigation data, temperatures, and battery status in a single view.
(The card is roughly pixelated for data protection reasons.)



ENERGY AND FLOW

Charging sources, batteries, inverters, consumers and onboard power are shown in a coherent energy view.

05 · PERSONAL VIEWS - EXAMPLES

Onboard technology - further views

VisuShip can compile very different information depending on the task. These examples show operation, instruments and historical courses.



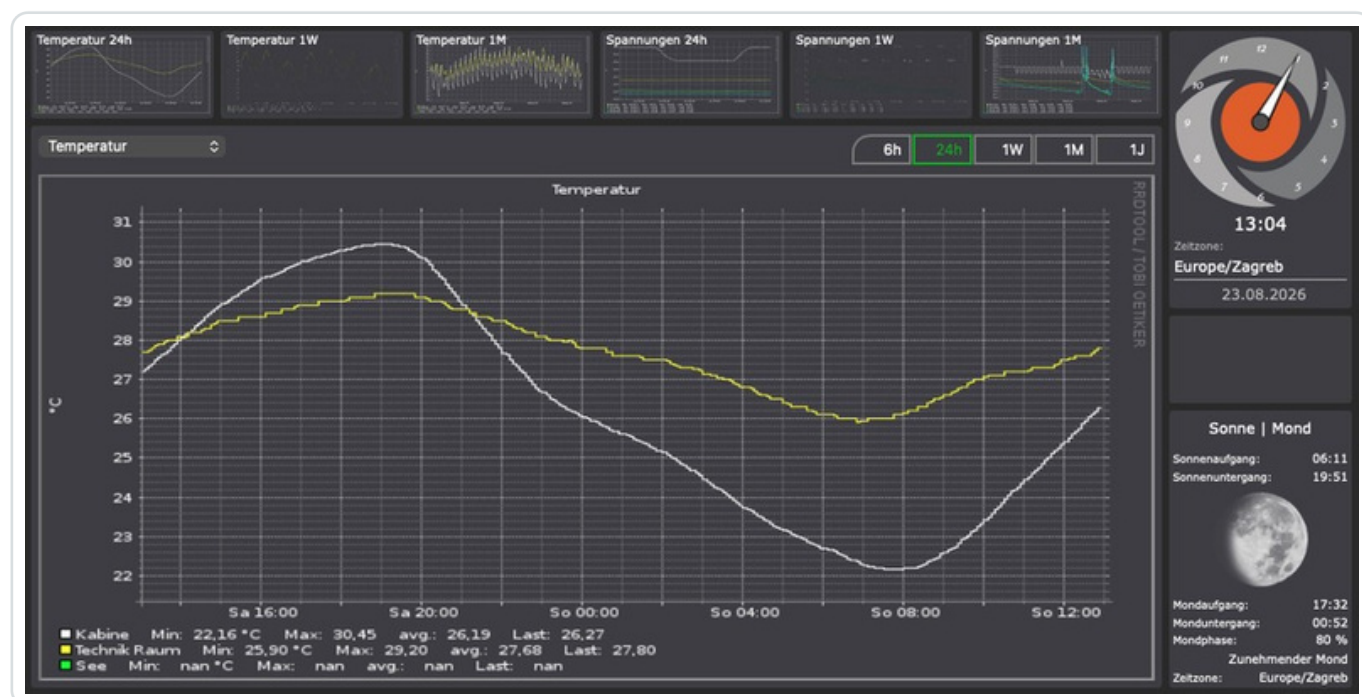
INPUTS AND OUTPUTS

Statuses and enabled switching functions on a dedicated control page.



INSTRUMENTS

Motors, compass, location, speed and depth as an instrument view.



TRENDS AND HISTORY

Historical measurements can be compared over different time periods and help to quickly identify developments.

06 · Smartphone | Mobile

VisuShip on the smartphone

Automatically the appropriate view

VisuShip recognizes which device you are accessing and automatically displays the appropriate display - on the smartphone the PhoneView, on tablet and computer the full view. You don't have to hire anything. The PhoneView rearranges

the most important information especially for the narrow display. Three typical views show energy, navigation and historical trajectories.

Which views are available on your smartphone depends on the setup of your VisuShip system.



ENERGY

Batteries, charging sources, shore power and consumers compact for the Mobile operation.



NAVIGATION

card, anchor function, Drive data and environmental values. The map is roughly pixelated.



HISTORY

historical measurements such as temperature, battery charge level (SOC), solar yield, electricity or barometric pressure.

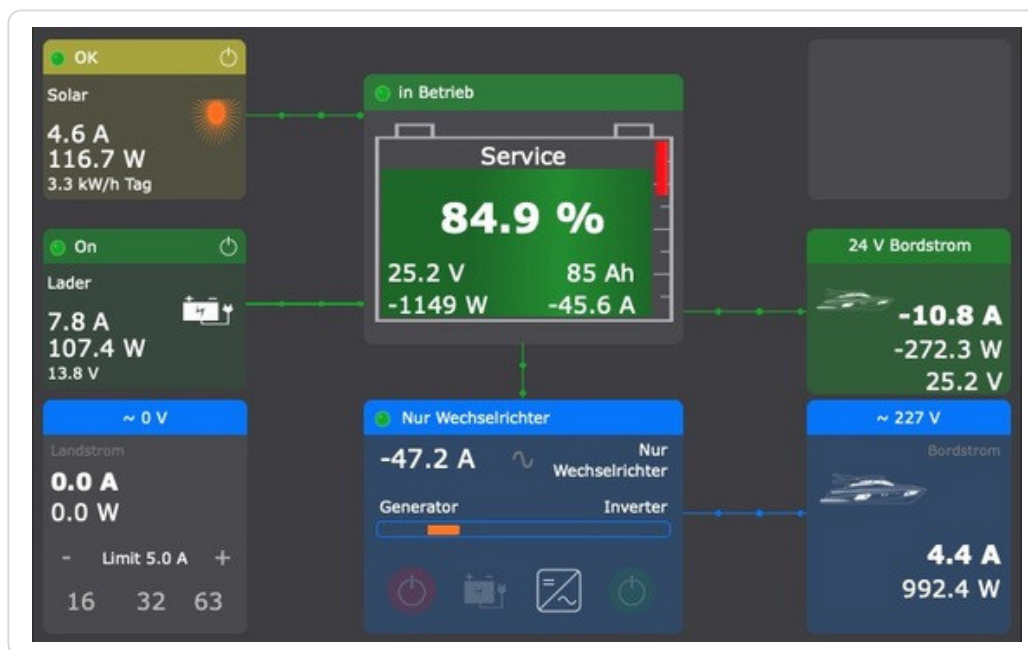
onboard or on the road

onboard, access VisuShip locally via WLAN (see "First time onboard", page 3). Outside the onboard Wi-Fi, you can see your ship via the VS cloud (chapter 09, page 19), if it is set up.

Changing the clock or the VisuShip logo It can be viewed at any time between mobile phone view and PC/pad view.

What is happening to the onboard energy?

The energy overview connects the most important parts of your power supply in one picture. This allows you to identify more quickly where energy comes from, where it is stored and where it is consumed.



SOURCES

This is where energy comes into the system - for example via solar, shore power, generator or a charger.

BATTERY

The battery is the stored energy reserve. The widget shows their current state and important values.

CONSUMPTION

Here you can see how much energy the electrical system currently needs.

PLUS AND MINUS

A minus sign before electricity or power means that energy is taken.

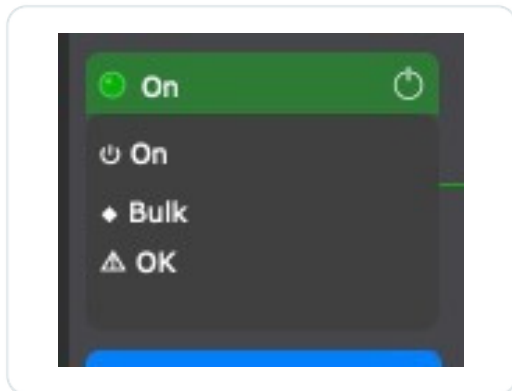
A positive value means that it is charged.

A picture instead of many individual devices

You don't have to watch each charger or meter individually. VisuShip combines the existing information in a common view.

Is everything fine with the device?

With energy devices set up for this purpose, the top line of the widget shows not only values, but also the state of the device.



Status / LED

Green = device in order.
Red = disturbance or error.

Control button

Colorless = Equipment on.
Red = Device off.

Important: Red does not always mean a mistake

Both status LEDs indicate a fault. In the operating button, however, red means that the device is switched off.

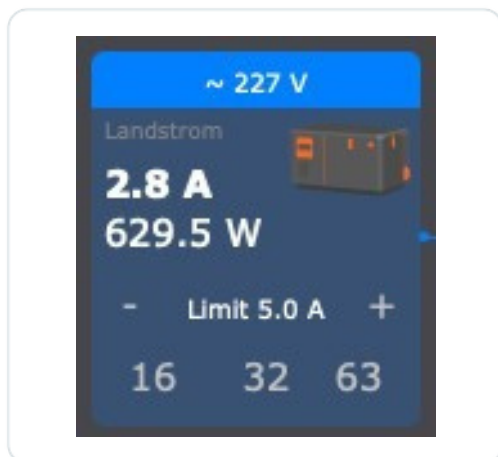
Therefore, pay attention to whether you are viewing the status indicator or the switch.

Not every device is the same

Which status information and switching options are displayed depends on the actually installed and set up Device off.

Control shore power and the inverter directly

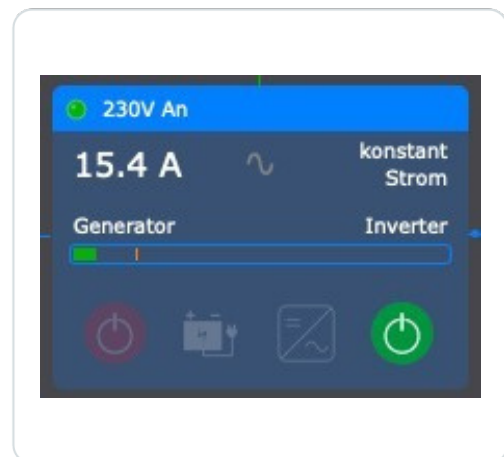
For suitable devices, important settings can be made directly in the energy view.



SHORE POWER CURRENT LIMIT

The current limit can be set directly in the Shore Power/Generator field.

Shore connections in marinas are often protected at 16 or 32 amps. Set the limit accordingly so that the fuse at the shore-power pedestal does not trip.



INVERTER/CHARGER

Depending on the installed device, different Operating modes are available.

Practically in everyday life

If this control is set up for your ship, you do not need an additional switch for the mentioned functions elsewhere.

07 · Energy & onboard power | Variants

Compact or detailed

VisuShip can display energy information differently depending on the available screen area.



Compact energy indicator

The small variant combines a few selected sources and a battery in a space-saving manner.



Detailed energy indication

The large variant shows more sources, consumers and operating possibilities at once.

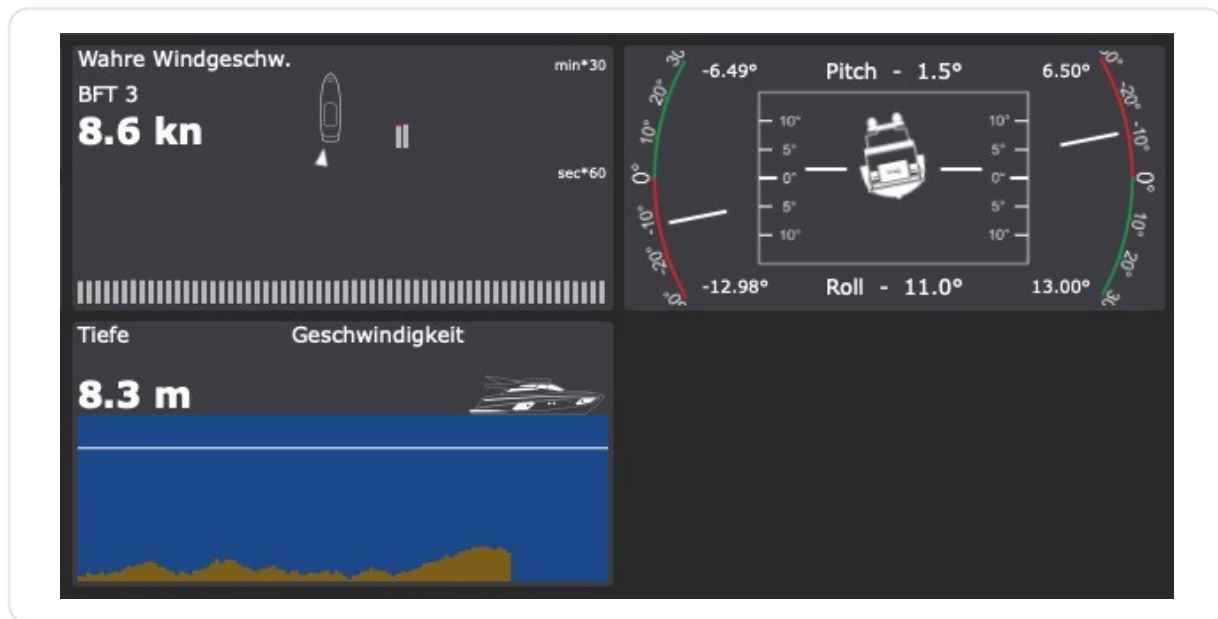
The composition may look different depending on the ship

Which sources, batteries and consumers are visible will be determined when the system is set up.

08 · Navigation & NMEA | Navigation

Understanding wind, attitude and ship movement

VisuShip can display existing navigation data in large, easily readable graphics.



WIND

The wind course shows the development of the wind strength over time.

PITCH & ROLL

The display shows the vessel's pitching and rolling movements.

DEPTH

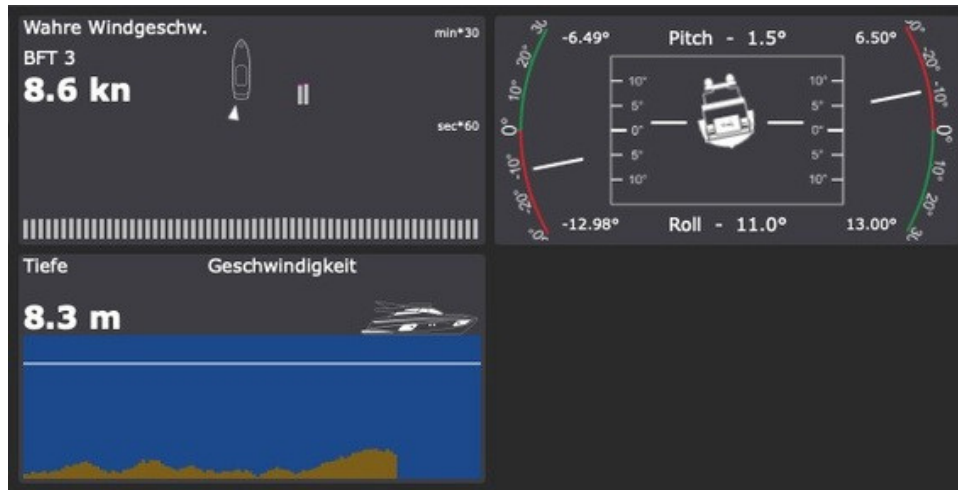
The depth profile shows the development of the measured depth.

Depends on your onboard technology

These displays are only available if the corresponding navigation data in VisuShip and the widgets were set up.

Identify borders more quickly

The depth graphic can use two orientation aids: a danger depth and a safe depth.



DANGER DEPTH

If the specified danger depth is undershot, the depth range can be displayed in red.

Condition: In VisuShip a valid depth source must be integrated.

SAFE DEPTH

The white line marks the safe depth set for you.

Important

The limit values are set at the device. VisuShip does not replace the nautical assessment of the actual situation.

Access your VisuShip remotely

VisuShip works onboard completely without Internet. The VS Cloud service is added if you also want to see your ship from a distance. Access is via the website visu.world After registration, registered ships and their status can be accessed via the online portal.

01

NOTIFICATION ON THE SHIPS

The first registration takes place directly on the VisuShip system. For this, the controller needs an Internet connection.

02

RECEIVE ACCESS DETAILS

Via the cloud icon you get to the menu where, username and e-mail address are entered. The access data to the online portal then comes by e-mail.

03

LOG IN ONLINE

In the VS online portal you can see the ships registered on your account and their available online information.

Security

The first assignment of a VisuShip system to your online account takes place directly on the device onboard. From afar This is not possible.

Vessels, users and access rights

After logging in, the overview page shows the objects belonging to your account and important status information.

OVERVIEW

Among other things, the name of the ship or ships are displayed. Serial number, online service, last synchronization, online status and unconfirmed messages.

USER DATA

After the first registration, change the provisional password and supplement your contact details (address, etc.)

OTHER USERS

You can give access to other people - for example, an installer, a guest or a guest with video access.

CHANGE ACCESS RIGHTS

Access rights can be changed again later. For example, a shipyard can receive temporary access for troubleshooting.

Cloud service

Depending on the cloud service booked, still images or live video are available. Scope and data volume differ.

10 - ONBOARD DATA | TANKS

Tank levels at a glance

VisuShip can represent tank levels differently. The same value is always decisive - only the type of display changes.

**WHAT DO YOU SEE HERE?**

On the left, three fuel indicators as bars.

On the right the same display type additionally as a large percentage and as a classic round instrument.

APPROPRIATE PRESENTATION

Beams are well suited if several tanks are to be compared side by side. A large percentage can be read particularly quickly. The round instrument offers a classic graphical representation.

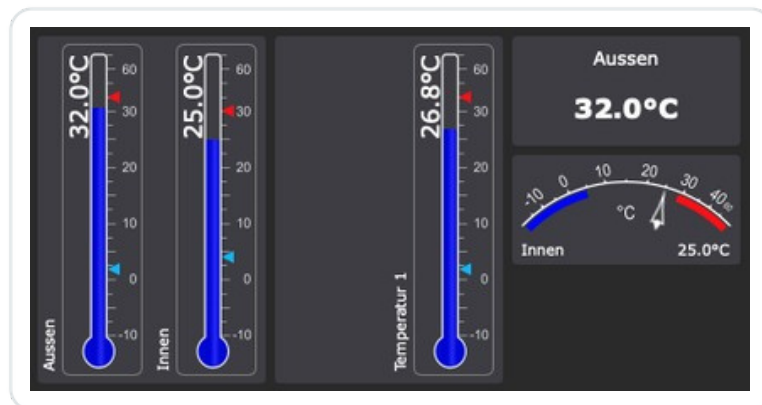
Your ship - your tanks

In the example, you can see diesel, water and waste. Which tanks, names and representations appear on you depends on the equipment and your VisuShip view.

10 - ONBOARD DATA | TEMPERATURES

Capture temperatures clearly and quickly

Several temperature values can be compared side by side or highlighted as a single, particularly readable display.

**WHAT DO YOU SEE HERE?**

Thermometers are suitable for direct comparison of several areas. On the right you can also see a large number display and a round instrument.

WHAT INFORMATION WHERE?

For several rooms or technical areas, thermometers are clear. A particularly important value, on the other hand, can appear large as a number. The circular display connects the measured value and the temperature range.

Designations, depending on your ship

In the example, external, internal and other temperature values are shown. The actual sensors and names are set up to match your ship.

11 - SWITCHING & CONTROL | ONBOARD FUNCTIONS

See conditions and operate functions

VisuShip can display inputs, states and switchable outputs together on one side.

So you see information and the associated operating possibilities in one place.



INPUTS

Inputs show states or signals that VisuShip receives from onboard technology - for example, a bilge switch, a door contact or a level transmitter.

OUTPUTS

Shared functions can be operated via suitable switches directly in the interface - for example anchor light, boiler or underwater lighting.

SYMBOLS

For different functions, suitable symbols and labels can be used.

Your interface looks different

The designations Q1, Q2 etc. are only a test example here. On a fully equipped ship, the functions are appropriately named and put together.

11 - SWITCHING & CONTROL | TIMER

Functions automatically at the right time

Time controls can automatically switch certain outputs - for example, to a fixed Time or depending on sunrise and sunset.



ANCHOR LIGHT

A classic example is automatic turning on at sunset and turning off at sunrise.

BOILER

A function can also be switched at a fixed time.

AUTOMATIC MODE

Depending on the setup, there is a normal on/off switch and an additional automatic switch.

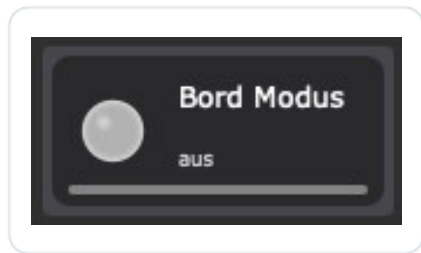
Already prepared

The time control itself is defined in the device. In the dashboard, activate or deactivate the existing Automatic.

11 - SWITCHING & CONTROL | ONBOARD MODE

onboard or away

The onboard mode can suppress selected alarms as long as you are onboard.



ONBOARD MODE ON/OFF

This button activates or deactivates the prepared onboard mode directly in the VisuShip view.

EXAMPLE: GANGWAY

If the onboard mode is active, a gangway message configured for this can be suppressed. If the onboard mode is later deactivated, a new movement is again regularly treated as a message.

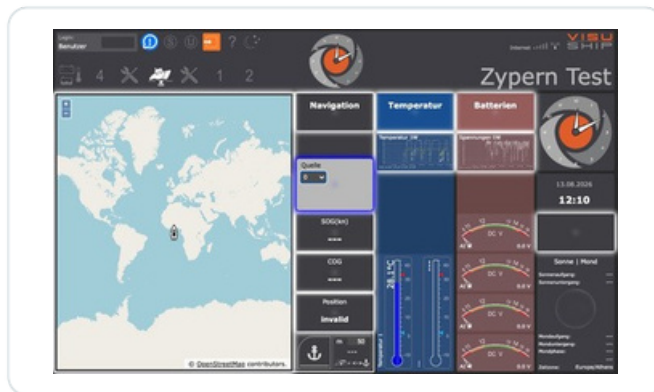
No general alarm off button

Onboard mode shall only apply to messages expressly intended for that purpose at the facility. Other alarm functions remain unaffected.

12 - NOTES & UPDATES | NOTES

Recognize news and updates

VisuShip informs in the header if there is news or a software update for is available.



IN THE HEADER

The news icon indicates new information.

The update icon indicates that a new software version is available.

WHAT SHOULD I DO?

Open the respective note and read the information displayed. An update hint at first only means that a new version is available - not that there is something wrong with your system.

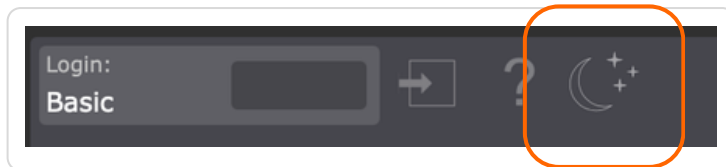
Do not confuse with an alarm

News and update notices are information functions.
An alarm is displayed separately via the alarm icon and alarm list.

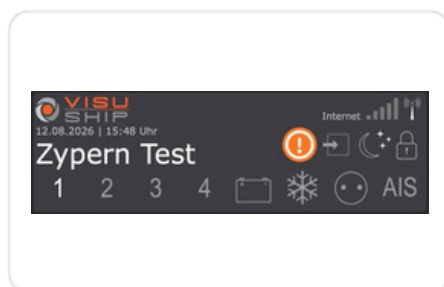
12 - NOTES & UPDATES

Day and Night View

For different lighting conditions, the display can be switched between day and night view will become.



Switch button to the night view



SMALL DISPLAYS

In the PhoneView, important status and operating functions are compact in the upper screen.

WHEN IS NIGHT VIEW USEFUL?

In the dark, an adapted display reduces the disturbing brightness of the display. During the day, the normal view ensures good readability.

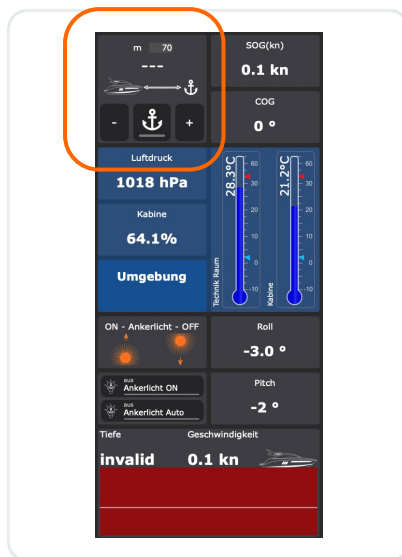
Presentation, not function

The change between day and night changes the representation of the interface - not the measured values or the established onboard functions.

13 · POSITION & ANCHOR WATCH | ANCHOR WATCH

Keep an eye on position

If GPS data and an anchor watch are set up on your ship, VisuShip can display this feature. This is also possible in a compact smartphone view.



WHAT DO YOU SEE?

The PhoneView can represent anchor watch and other important values together. So the function remains clear even on a small screen.

REQUIREMENT

The anchor watch requires an available position source. Among other things, the internal GPS tracker of the VisuShip system can be used in the technical device.

Nautical responsibility

The anchor watch is an additional support. It does not replace the nautical surveillance required for the particular situation.

13 · POSITION & ANCHOR WATCH | ONLINE PORTAL

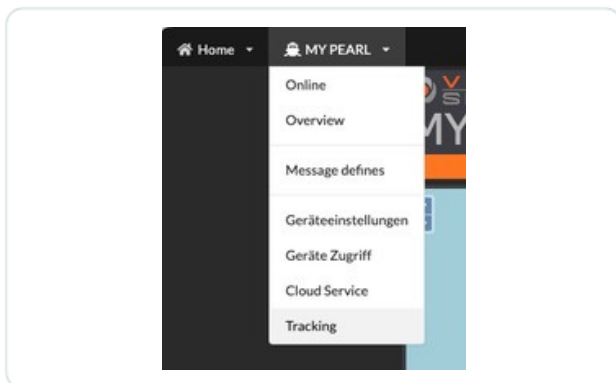
Position and route

You can open the recorded route via the VisuShip online portal on the PC or notebook.

ONLY IN THE ONLINE PORTAL

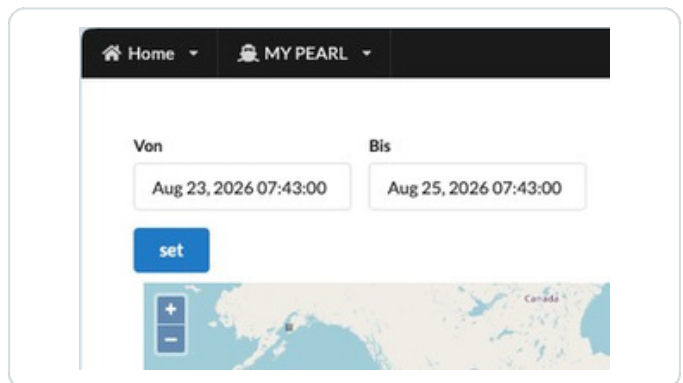
This view does not belong to the normal VisuShip displays onboard. To do this, open visu.world on your PC or notebook and log in to your account.

1 · SELECTION AND OPEN TRACKING



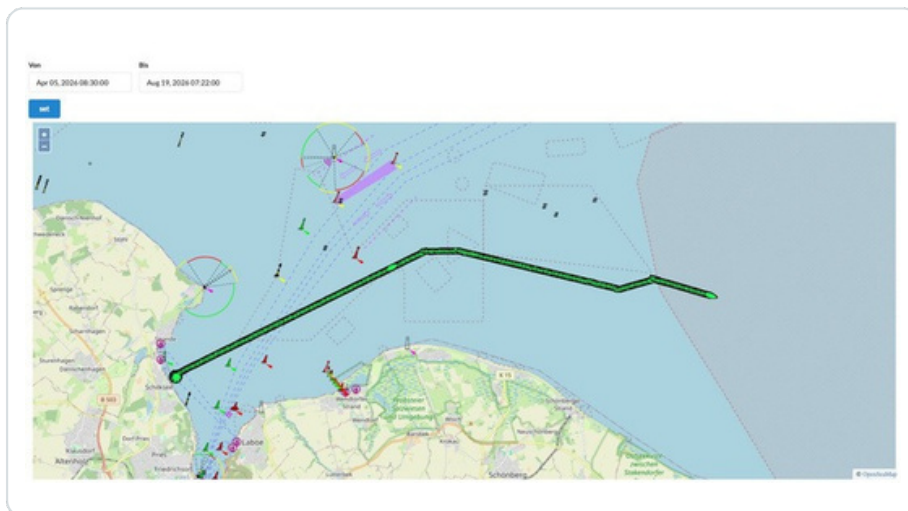
In the portal, open the drop-down at the ship name and select "Tracking".

2 · SET THE TIME PERIOD



Under "From" and "To" enter the desired period and then select "set".

3 · SEE HISTORY



The map shows the recorded course of the ship for the selected period.

IN SHORT

- Open visu.world
- Select the ship
- Opening up tracking
- Choose time period
- Press "set"

SERVICE & INFORMATION

Good to know

CURRENT INFORMATION

VisuShip is continuously being developed. Depending on the software version and the equipment and configuration of your ship, views, functions and designations may differ from those in this manual.

HELP & SUPPORT

If you have questions, technical problems, or need support, please contact your installer or the specialist company responsible for the installation.

DATA NOTE

VisuShip represents the measurement and status data provided by the connected devices and systems. These input data are neither modified nor independently generated by VisuShip.

IMPORTANT ONBOARD

VisuShip supports you in monitoring and operating your onboard systems. The information displayed does not replace the required navigation, safety and control measures onboard.

DOCUMENT INFORMATION

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