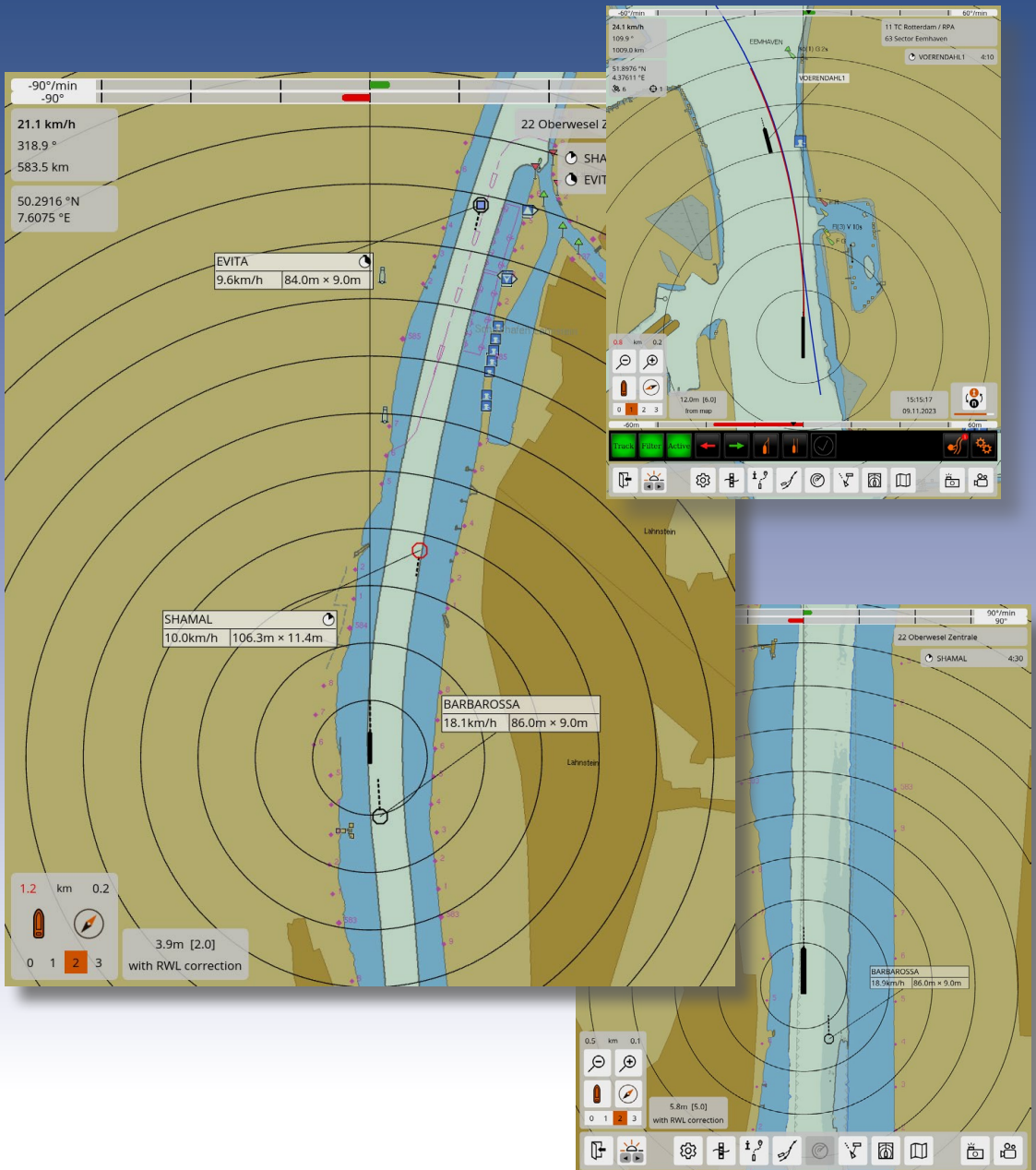


# argoRadarPilot



## The new argoRadarPilot –

The argoRadarPilot is a new product with a modern display, simple operation and many new functions. Based on proven modules and functions of the RADARpilot 720°, the argoRadarPilot has been completely redeveloped focusing on an enhanced user interface.



## Core functions

### The new argoRadarPilot

The argoRadarPilot was developed with an emphasis on a clear display and simple operation. Without any user interaction, all menus are automatically hidden, leaving the maximum display area available.

The argoRadarPilot automatically detects ships you will encounter in the near future and displays them in the „Encounters“ field.

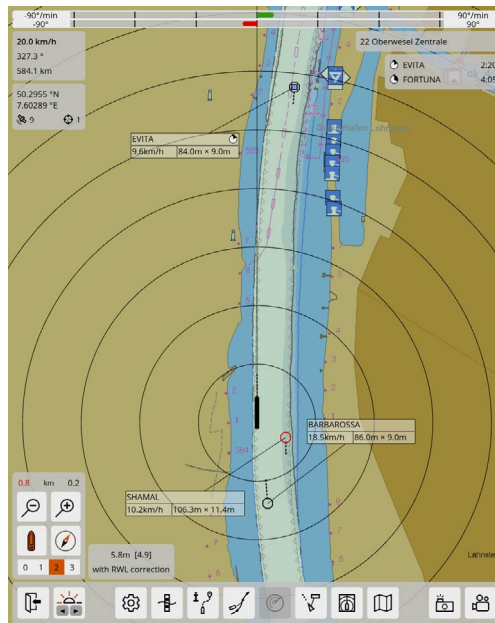
The ships are marked accordingly in the target labels. This allows the skipper to focus on the most important ships. The guiding lines of the argoTrackPilot are also displayed.

#### Other new features:

- Easy movement and adjustment of the chart (panning and zooming)
- Direct switching of chart orientation
- Clear placement and easy configuration of target labels (less overlapping)
- Detailed display of navigation signs
- Automatic switching of navigation status in the AIS
- Display of CoVadem depth charts with current water level values (on the Rhine)
- Chart and software updates including remote maintenance via internet connection

In addition to chart and AIS data display the following additional functions are available:

- Display of rate-of-turn indicator and rudder position
- Display of VHF channels
- Display of chart information with additional image and text information
- Recording of all incoming sensor data
- Reading and recording of radar data
- Create your own data on the chart
- Search for AIS targets



The argoRadarPilot is supplied with a fanless industrial computer running a reliable Linux operating system. It is also supplied with a package of official charts of the Central European waterways as they are currently available for download from the servers of the respective national waterway administrations.

The display of radar images on the chart is under development. It is currently in the approval phase. The radar signals can be acquired in analogue form via the proven radar interface board. In addition, the network interface of the JMR-611 radar can also be used to receive the radar image.

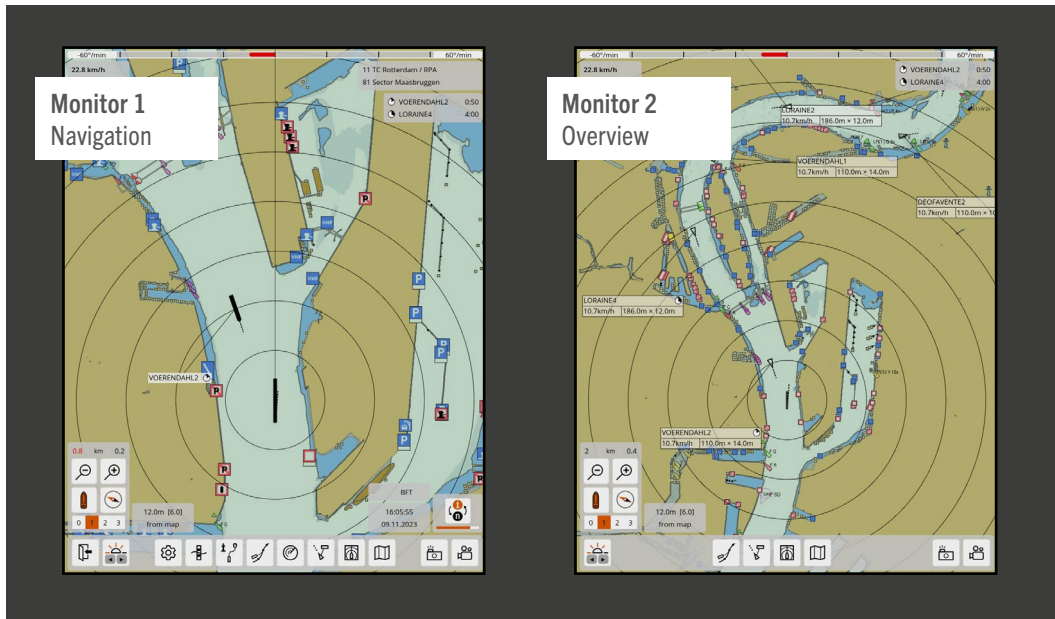


# Two-monitor solution

The argoRadarPilot is able to display two map views on two connected monitors.

Two monitors will allow you to keep an eye on both your own ship and its immediate surroundings, as well as the area in front of you. Oncoming ships can be detected early on, giving you time to react.

The ability to display multiple views simultaneously is the basis for the flexible integration of additional displays and assistance functions in the future.



# Radio recording

The argoRadarPilot offers the possibility to record all connected sensors.

By recording radar, GPS and AIS, traffic events can be reconstructed. Radio traffic is also very important for reconstructing the course of events in the event of an accident.

For this reason, voice recording has been added to the recording function. Up to 4 audio channels can be recorded. For example, 2 radios and 2 room microphones can be recorded.





# Network features

In future wheelhouse installations, data transmission via network will become more and more important.

The argoRadarPilot is already designed for this development. For each device, e.g. GNSS compass or AIS, it can be selected whether the data should be imported classically via a serial interface or via a network connection.

- Reduced installation effort
- Easy exchange of information with the argoTrackPilot
- Transmission of radar data from the JMR-611 radar via a network connection possible

# Technical data

## Computer:

- Industrial computer with i5 processor, 8 GB RAM and 256 GB SSD hard drive
- 24 V DC power supply
- 6 serial interfaces
- 6 USB interfaces
- 1 x VGA, 1 x HDMI, 2 x DisplayPort (max. 2 monitors connectable)
- Keyboard and trackball (wired)

## Monitor:

### Display:

- Minimum resolution 1024 x 1280 pixels
- Recommended monitor size: 19 inches or larger



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