



Royal Netherlands Institute for Sea Research

Update on NIOZ operations

New build & equipment update; farewell to *RV Pelagia*

Dr. Zeynep Erdem

Science coordinator

National Marine Facilities (NMF) NIOZ

ERVO 2025, Faroe Islands



Renewal of the Dutch Research fleet

RV Stern

RV Navicula

RV Pelagia



RV Adriaen Coenen

In operation since August 2022



RV Wim Wolff

In operation since June 2024



RV Anna Weber-van Bosse

Planned delivery by the end of 2025.

Renewal of the Dutch Research fleet



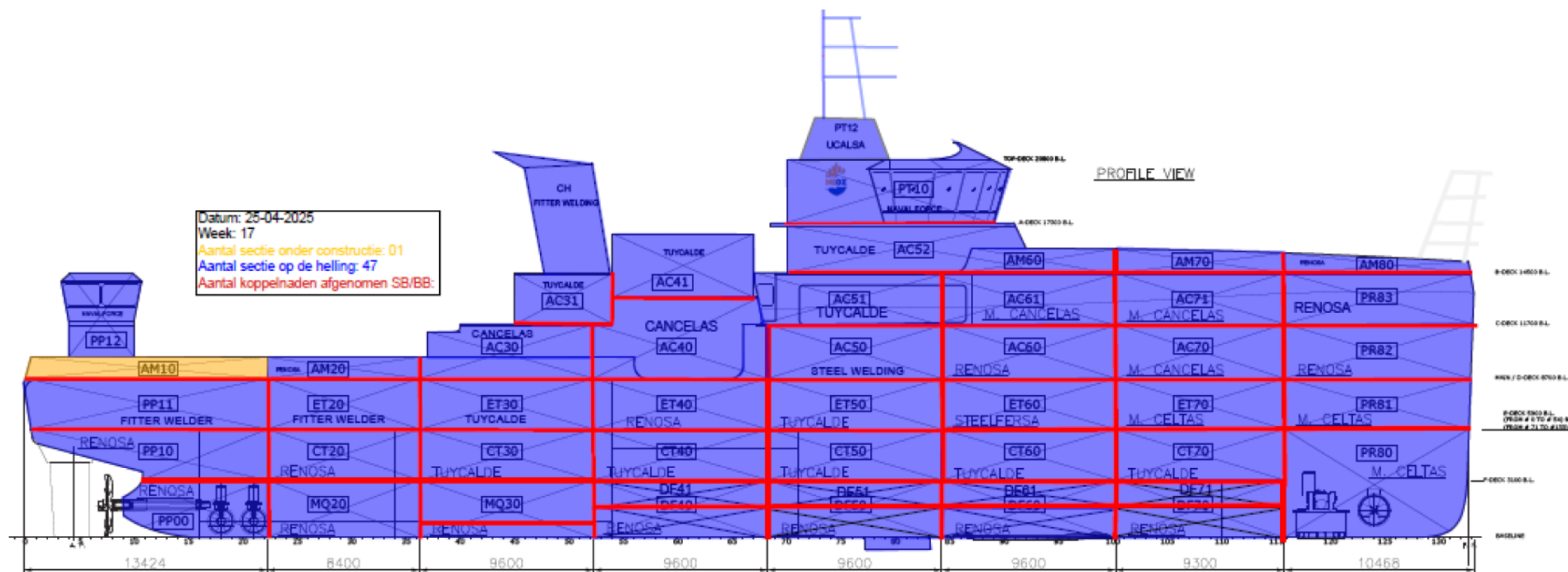
RV Adriaen Coenen



RV Wim Wolff



New build updates: *RV Anna Weber-van Bosse*



Last update from the April newsletter.

25/04/2025

The *RV Anna Weber-van Bosse* is built by **Astilleros Armon A.S.** in Vigo, Spain.

New build updates: *RV Anna Weber-van Bosse*

News RV Anna Weber-van Bosse - NIOZ



Delivery

Autumn 2025

Science trials

Spring Summer 2026

Full Operation

Autumn 2026

New build updates: *RV Anna Weber-van Bosse*



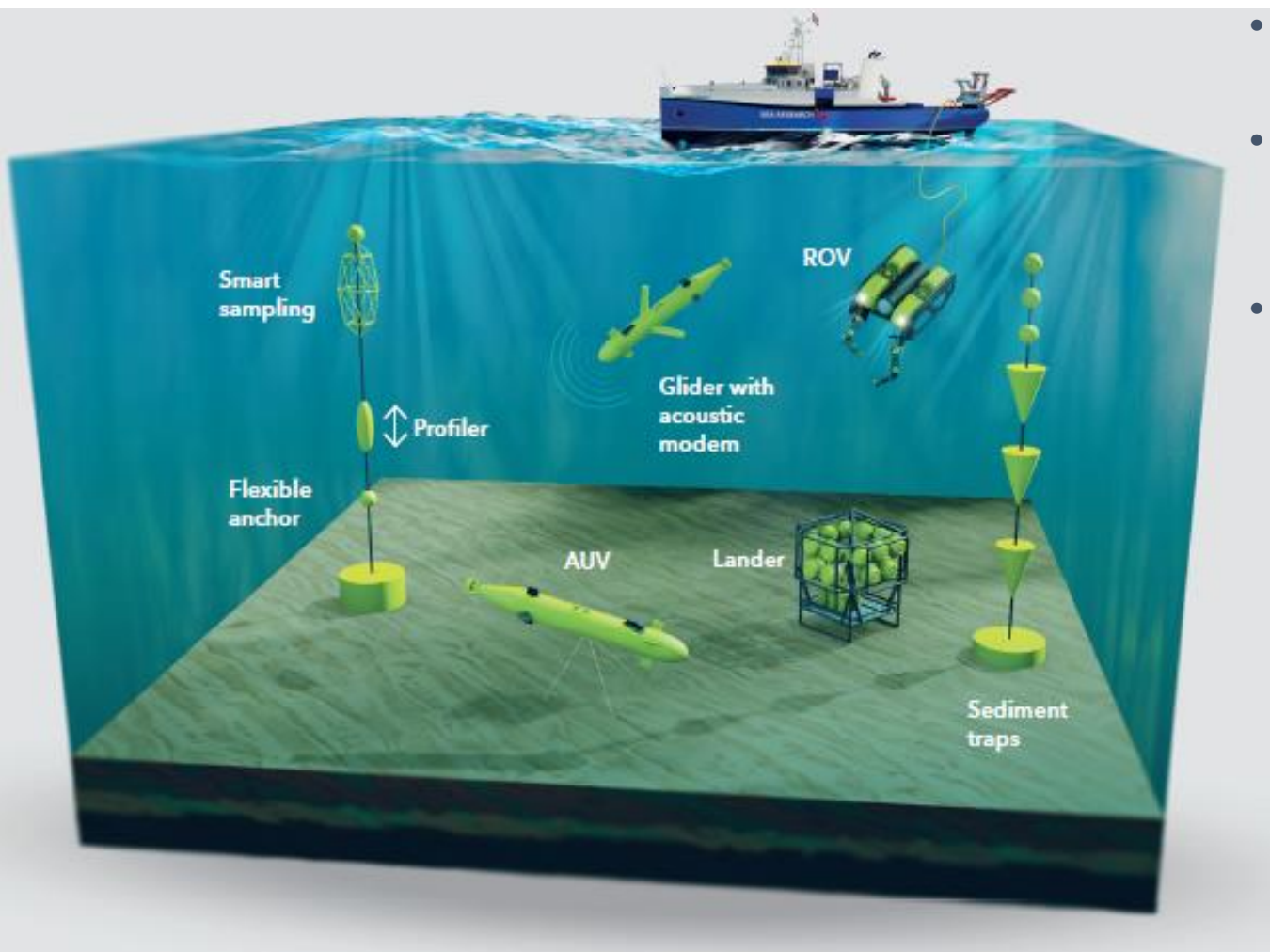
Specifications

- Length overall 80m
- Breadth molded 17m
- Depth to main deck 8.70m
- Summer draught 5m
- Scantling draught 5.50m
- Accommodation 46
(16 crew + 30 scientists)
- Ice-class 1C
- DP2
- Main-, dry-, wet- and geolab
- Room for 12 laboratory containers (max 17)
- Methanol ready
 - *Poster on sustainability*

New build updates: *RV Anna Weber-van Bosse*

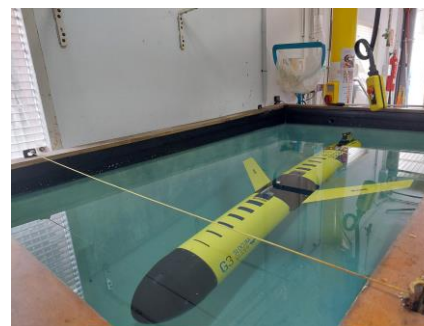


New equipment



Coming years large-scale infrastructure

- 3 Teledyne gliders 1000m (in operation)
- AUV Teledyne Gavia 2000m (delivery in early 2026)
- ROV Kystdesign 6000 m (delivery in 2026)





Dersom du kan støtte NIOZ i denne redningsoperasjonen og ønsker mer informasjon om utstyret, vennligst ta kontakt med NIOZ-koordineringsteamet på coordinatorNMF@nioz.nl.

Hvis du er interesseret i å spore fiskefartøy i sanntid eller ønsker å høre mer om hvilke tjenester Fishfacts tilbyr, ikke nøl med å kontakte hs@fishfacts.com.



Home Live Reels Shows Explore



Hovden Viking var på veg heim fra vinterfiske i nord, då mannskapet fikk eit oppdrag litt utanom det vanlege. På knappe to døgn, gjekk mannskapet vestover fr...

 MS Hovden Viking

March 24 · 🌐
Hovden Viking var på veg heim fra vinterfiske i nord, då mannskapet
fikk eit oppdrag litt utanom det vanlege.

På knappe to døgn, gjekk mannskapet vestover fra Ålesund i storm, og fikk nytta eit kort værvindu til å berge den fjernstyrte undervassdrona.

Svært godt gjennomført arbeid av vårt dyktige mannskap!

Thank you **NIOZ** for the mission and good cooperation with the operation.
See less

Farewell to *RV Pelagia*

- Built in 1991 in the Netherlands for research in the North Sea
- Been mostly in the North Sea and over the years the operation expanded to the North Atlantic but also the Mediterranean and Black Sea, the Pacific and Indian Ocean.
- Retirement: October 2025



Foto: Archief Schuttevaer - Pelagia

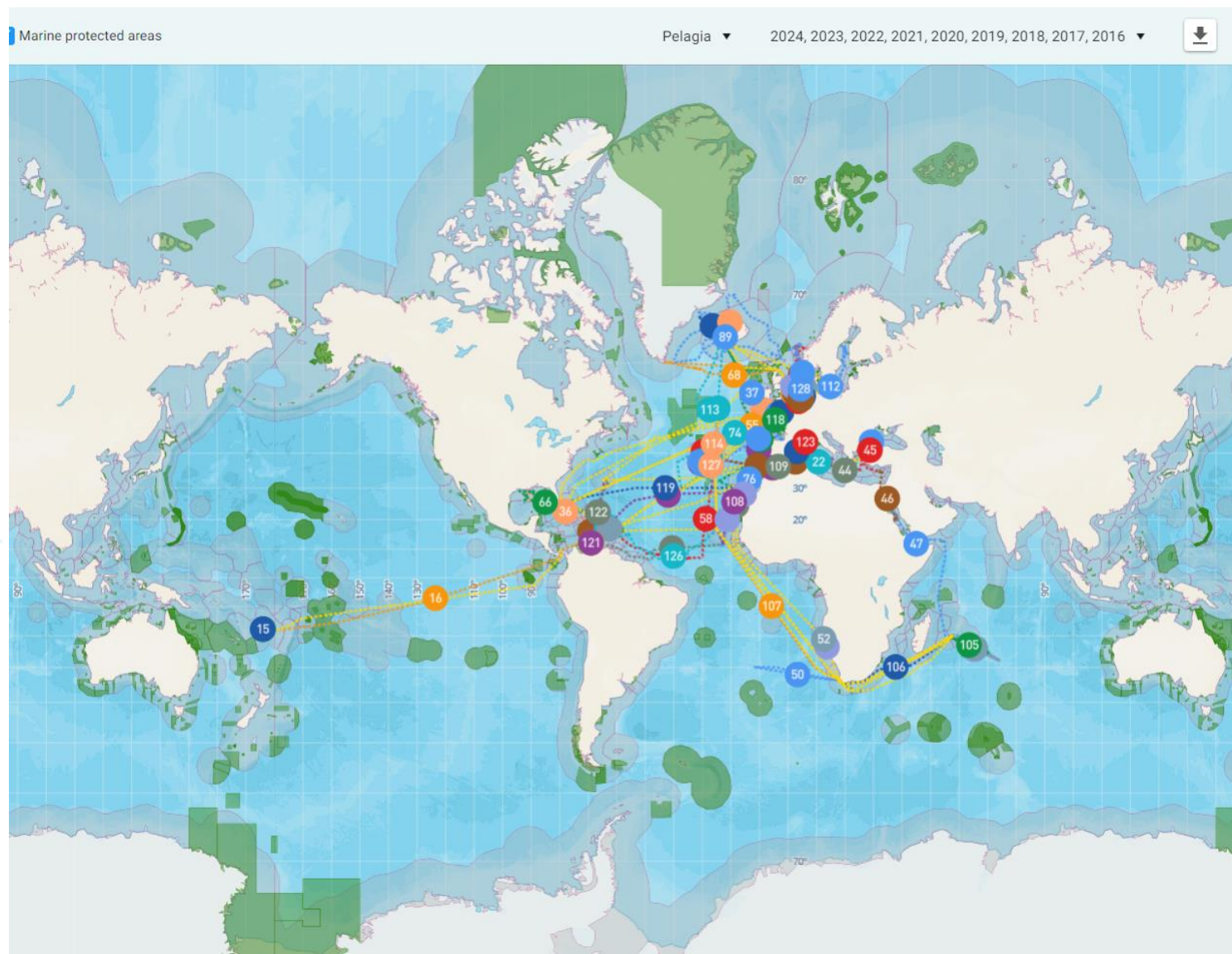


RV Pelagia over the years



Since 2016 the planning is via MFP

Days at sea:	1999.4	Unknown	331
NL EEZ:	263.6	Transit	215
Foreign EEZ :	1041.9	Mob/Demob	61
International waters:	693.9	Charter	306
MPA :	226.5	NL Science	1054
Docked :	810.3	Passage	437
NL ports :	418.6	Alongside	213
International ports :	391.6	ReCert	147
Total distance covered :	275.681 NM	Cruise Type Unknown	421
		EU Science	59
		Trials	9
		Barter	39



Screenshots taken MFP – reporting module



Thank you for your attention!

Zeynep.Erdem@nioz.nl

Follow the project at: www.newresearchfleet.nl

Royal NIOZ National Marine Facilities (NMF) manage and operate the national research vessels and equipment for the benefit of the marine and maritime research community



MFP > “Shipsdata” & cruise log > MFP reporting



Manual

Overview

Sensors

Dataview

Control

Sign out

<<< ⚙ Connected

Set message

Underway to Texel

Set

Set waypoint

Lat/Lon 53.007 4.79 Set

Project

- Test - 1923-12-31

- Test - 1923-12-31

529 - SEALINK: Land, Se... - 2024-01-04

531 - Mixation-I Recovery - 2024-01-25

532 - Large ring-moorin... - 2024-02-25

533 - Concerted action... - 2024-04-15

534 - NoSE- North Sea A... - 2024-04-25

535 - Weeds of Change S... - 2024-06-13

536 - SEAPACT "Seabed... - 2024-07-23

537 - Methane emission... - 2024-08-15

- Test - 2024-09-12

538 - INDEX2024 - Leg 1 - 2024-10-29

539 - INDEX2024 - Leg 2 - 2024-11-21

- Mijn Eerste cruise - 2024-12-11

Create new....

STATION TRANSECT

MFP - Project Management

Jeroen Buijs

Project...

Map of Europe showing a cruise route in the North Sea, with stations 0 through 5 marked along the coast.

Uploaded Cruise title name

20230729_64_PES... Add description Download

Station name	Devices used	Entry date	Exit date
Station 0	ACQUATO, CTD, with Samples	29-12-2023 8:33	29-12-2023 8:33
Station 1	ACQUATO, CTD, with Samples, In Situ Pump	01-01-2024 7:33	01-01-2024 6:33
Station 2	ACQUATO, CTD, with Samples	02-01-2024 8:33	03-01-2024 8:33
Station 3	ACQUATO, CTD, with Samples	04-01-2024 5:33	06-01-2024 18:24
Station 4	ACQUATO, CTD, with Samples	02-01-2024 8:33	03-01-2024 8:33
Station 5	ACQUATO, CTD, with Samples	04-01-2024 5:33	06-01-2024 18:24

Station 1

Devices(s) Used
None, ACQUATO, CTD with Samples, In Situ Pump

Station Time
13.804.60m

Entry Date
2023-08-02 05:53:01

Entry Coordinates
Lat: 55.7432, Lon: -29.0388

Dist. Travelled
13.804.60m

Exit Date
2023-08-02 05:53:01

Exit Coordinates
Lat: 55.7432, Lon: -29.0388

CTD with Samples

Begin
Time: 2023-08-06 09:44:58
Lat: 52.01, Lon: -29.41

Start
Time: 2023-08-06 09:44:58
Lat: 52.01, Lon: -29.41

Cruise log to MFP > equipment history



MFP | NIOZ Inventory Management

Yasar Abbas

Details

Financial

Deployment History

Maintenance

Documents

Tracking

Planning

Usage

Contents 33

Ultra Clean CTD frame

8204 / 01

+ Add

Export

Start	End	User	Note	Tags	Properties	
25-8-2022	25-8-2022	System .	Ships data - Upload		Cruise: TestCruise, Station: STATION 3, Depth (m): 2.203,10, Cast: 3_2, Time: 2h28m0s	<div></div> <div></div>
23-8-2022	23-8-2022	System .	Ships data - Upload		Cruise: TestCruise, Station: STATION 2, Depth (m): 2.242,70, Cast: 2_6, Time: 2h21m0s	<div></div> <div></div>
21-8-2022	21-8-2022	System .	Ships data - Upload		Cruise: TestCruise, Station: STATION 1, Depth (m): 848,67, Cast: 1_11, Time: 1h31m0s	<div></div> <div></div>
20-8-2022	20-8-2022	System .	Ships data - Upload		Cruise: TestCruise, Station: STATION 1, Depth (m): 808,24, Cast: 1_2, Time: 1h5m0s	<div></div> <div></div>
20-8-2022	20-8-2022	System .	Ships data - Upload		Cruise: TestCruise, Station: STATION 1, Depth (m): 803,23, Cast: 1_1, Time: 0h15m0s	<div></div> <div></div>