# Construction RV *Anna Weber-van Bosse*


## Progress report #22: January 2024

@ResearchFleetNL

## INTRODUCTION

When it is complete, the RV *Anna Weber-van Bosse* will serve as the ocean-going research vessel for the Netherlands' national research fleet. The fleet is owned and operated by the National Marine Facilities (NMF), a department of the Royal Netherlands Institute for Sea Research (NIOZ). The NMF fleet consists of three vessels capable of conducting research from the shallow coastal waters out into the open ocean. The *Anna Weber-van Bosse* will be built by Astilleros Armon in Vigo, Spain as hull number 147. Delivery is scheduled for late 2025.

## A LOOK BACK OVER THE PAST MONTH

In week two, the shipyard increased the size of the team working on the *Anna Weber-van Bosse*. There were fewer staff at work during week 1, due to the Christmas and New Year's holidays.

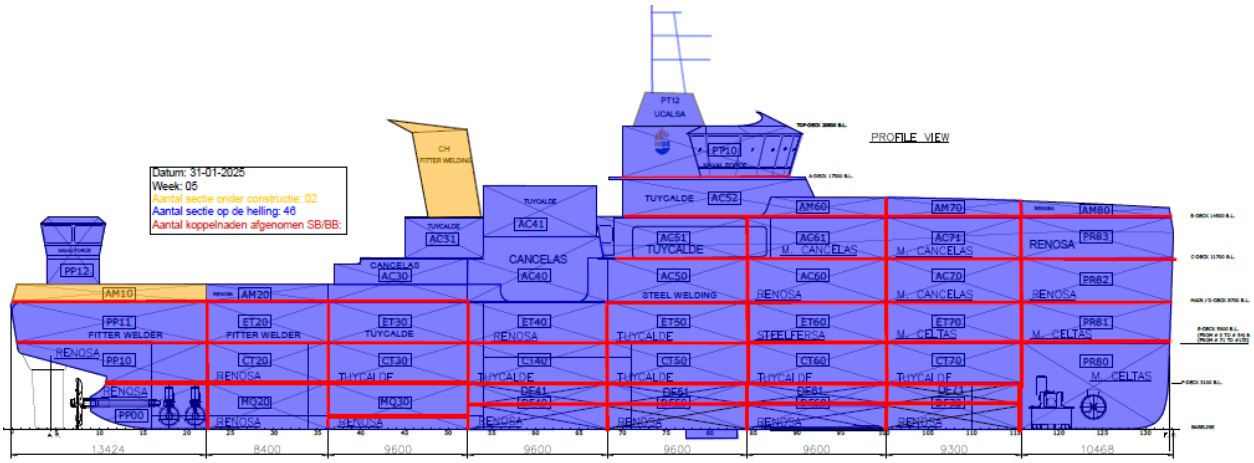
The shipyard is hard at work installing components, cable ducts and piping on board. They have also begun laying cables in the cabins, and high-voltage cables in the circuit box room above the engine room. Approximately 15 km of the estimated total cable length of 215 km has been laid so far.

A team from NIOZ visited the shipyard in weeks 2 and 5. Representatives from *Bureau Veritas Rotterdam* joined the first visit to discuss various issues pertaining to the preparations for future operations using methanol. The philosophy behind the future system is clear, and the design is making progress. Future escape routes for the transition to methanol were also discussed and included in the current diesel design, so we won't have to make major changes later on.

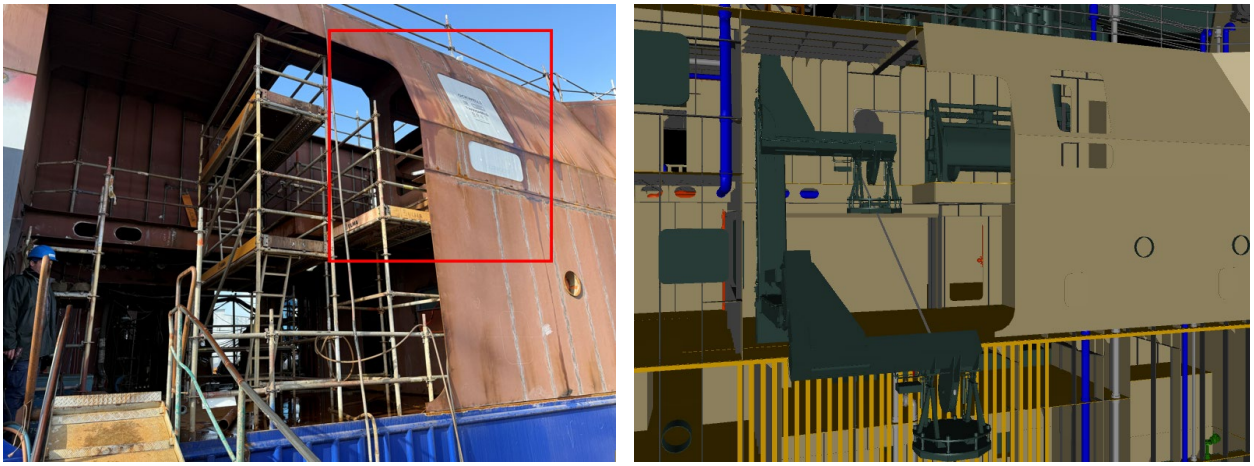
Sections AC30, AC31, AC40 and AC41, which house the technical storerooms, deck workshop, GEO hangar, CTD locker and wet laboratories, were all welded to the hull last month. Section AC40 includes the components for the emergency generator.

### PROJECT STATUS

The shipyard is still hard at work manufacturing the sections, and the sections highlighted in yellow below are currently the last ones under construction at the yard. The other sections are all complete and in their proper location. The sections highlighted in purple have been mounted to the hull, and finishing work is now underway. The red lines show the welded seams between the sections that the NIOZ has inspected and approved.

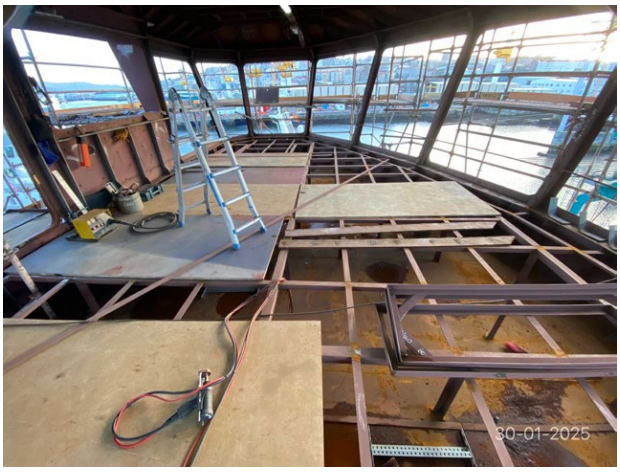


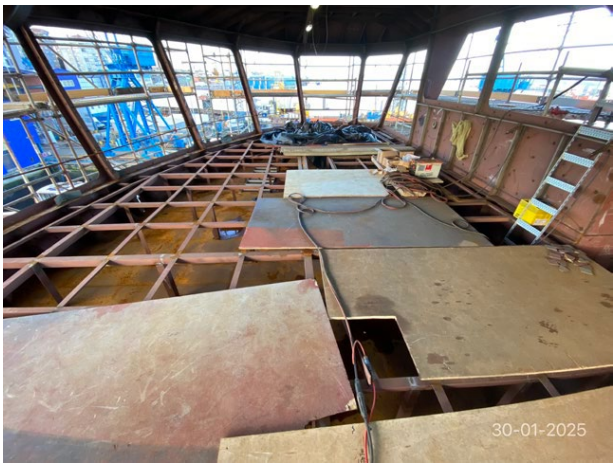

The photos below show the current state of affairs on board the vessel.



*CTD hangar. The CTD control station is marked in red.*

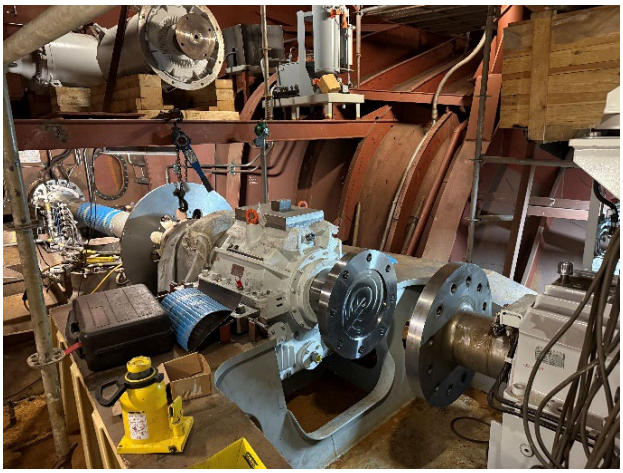

*Starboard view.*






*Wheelhouse with raised deck and console bases.*

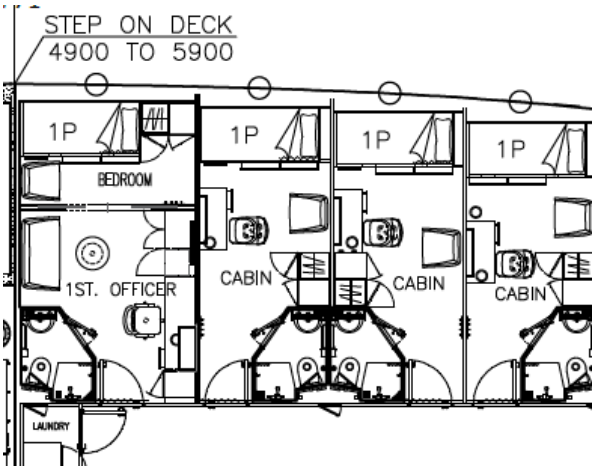

*Winches installed on board.*

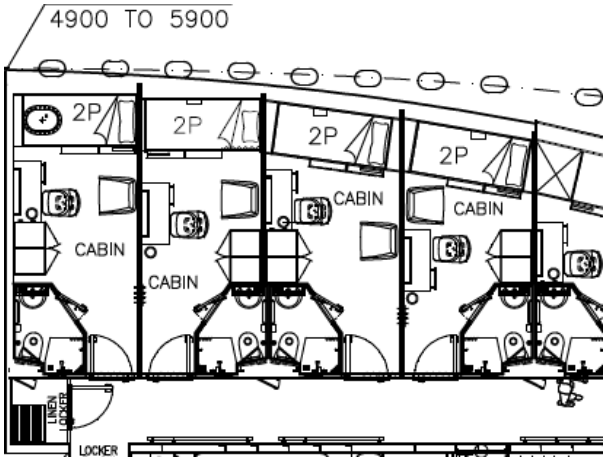



*Mounting and casting the thrust bearing and propulsion motor.*


*Installation work in the circuit box room.*

*Work on the E-deck (crew).*





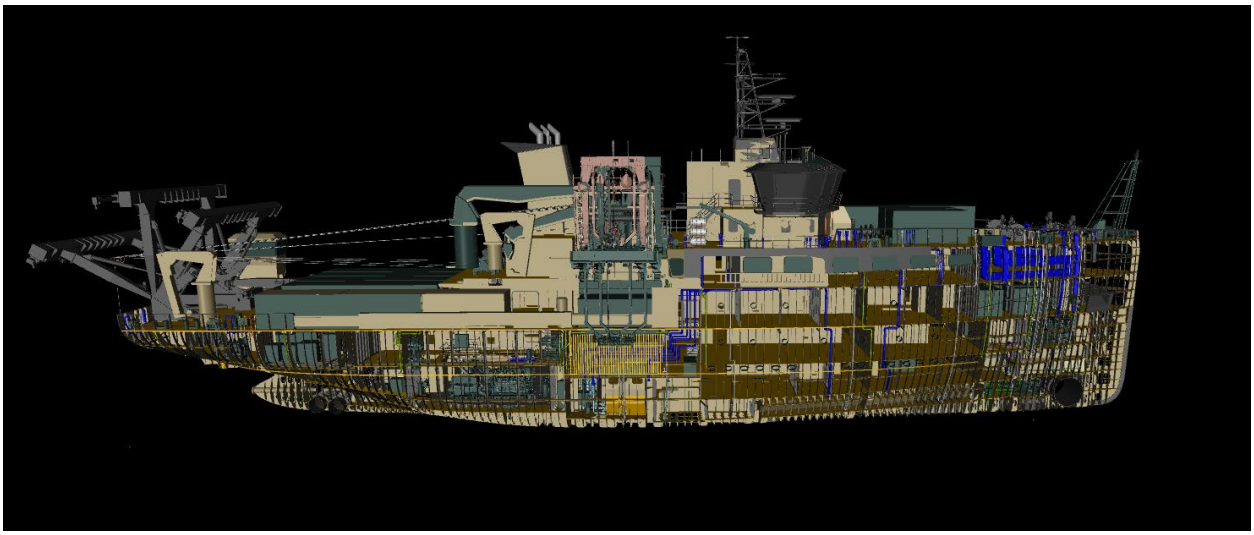

*Work on the F-deck (scientists).*

*HPU installed*

*Cabin installation work*

The shipyard and subcontractors are hard at work finishing the hull. The team of around 130 people working on board are doing a good job. They include pipefitters, ironworkers, welders, insulators, cable layers, carpenters, etc.

The NMF and NIOZ have discussed the preparations for the official delivery. A list of issues that must be arranged and requested to ensure a smooth delivery has been drawn up.



*Current status of the 3D model*

## SCHEDULE FOR THE MONTH AHEAD

The shipyard will continue painting the other cabin decks after the iron work is finished. Then the portholes can be installed in the hull on the C- and B-decks. The interior of the wheelhouse is scheduled to be painted in week 8.

Finishing work will continue on the cabins on a deck-by-deck basis. The shipyard and carpenter will use the first cabin to show us the locations of the power outlets and other installations. This model cabin will then serve as the template for the remaining cabins. We expect that the model cabin will be complete in the near future.

The shipyard will also continue installing components and piping in the technical spaces.

For more information, please visit: http://www.NewResearchFleet.nl