

Construction RV *Anna Weber-van Bosse*



Progress report #29: August 2025



INTRODUCTION

RV *Anna Weber-van Bosse* will be the ocean-going research vessel of the Dutch national research fleet. This fleet is managed and operated by the National Marine Facilities (NMF), a division of the Royal Netherlands Institute for Sea Research (NIOZ). The NMF fleet will consist of three vessels that will facilitate research in shallow coastal areas and the open ocean. The *Anna Weber-van Bosse* is being built at Astilleros Armon in Vigo under construction number 147. Delivery is scheduled for the end of 2025.

REVIEW OF THE PAST PERIOD

The shipyard is working on the project with a large workforce, consisting of its own people and subcontractors. The workforce has decreased slightly in recent weeks due to the holidays, but has been increasing again since the end of the month.

The shipyard has started preserving the outer decks. Periods of bad weather are approaching and the shipyard wants to paint the outer decks before then. The first part of the aft deck has now been painted and the foredeck has also been preserved. The shipyard has also started preparing the first technical areas for painting.

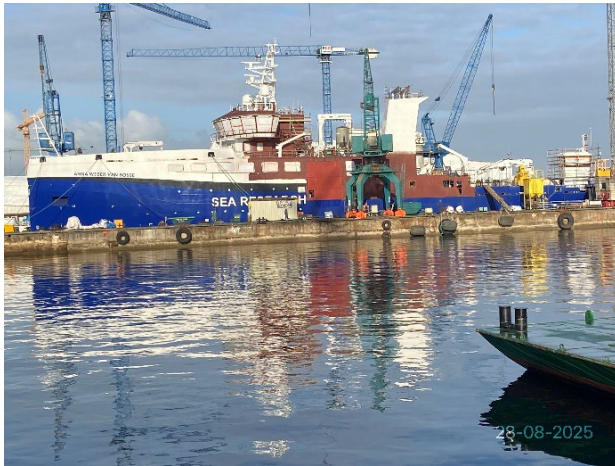
Work on the accommodation is progressing reasonably well. The decks for the scientists and crew are coming along nicely and the carpenter is busy with the finishing touches. On the main deck, with the exception of the laboratories, most of the walls in the accommodation have been installed. The same applies to the C-deck, which houses the mess room, lounge and meeting room. Preparations have also been made here for the installation of the ceilings.

The installation of the components on board is going well. Everything that comes in is installed fairly quickly and it is estimated that 92% of the large components are now on board. This provides sufficient opportunities to connect everything. The anchor and mooring winches on the foredeck have been reinstalled after the deck was preserved. Preparations for retracting the anchor chains and anchors have begun.

The installation of the cable trays, cables and switch boxes is progressing well. At present, approximately 95% of the required cables have been installed. The shipyard has started testing and commissioning the first parts of the electrical installation.

The site team has been expanded with the first Captain joining the project team. The crew schedule has been finalized for the remainder of the project. Some of the navigation officers have completed the theoretical DP course and will travel to Norway in early September for practical training at Kongsberg. ECDIS training is also scheduled for early September.

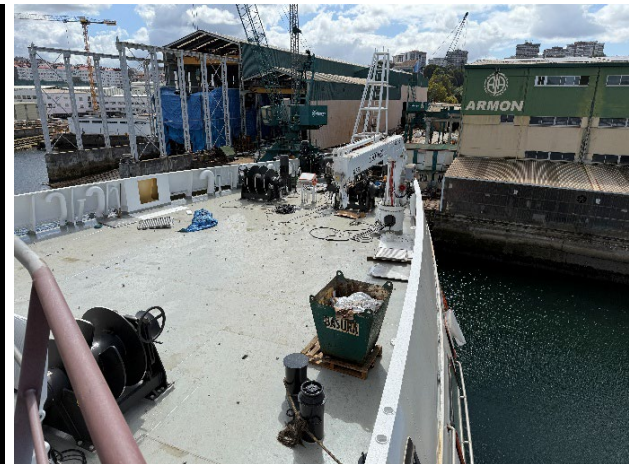
The photos below show the latest state of affairs on board the ship.



Port side

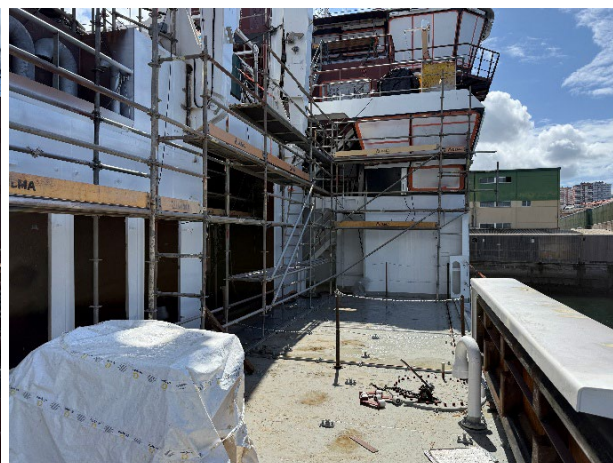
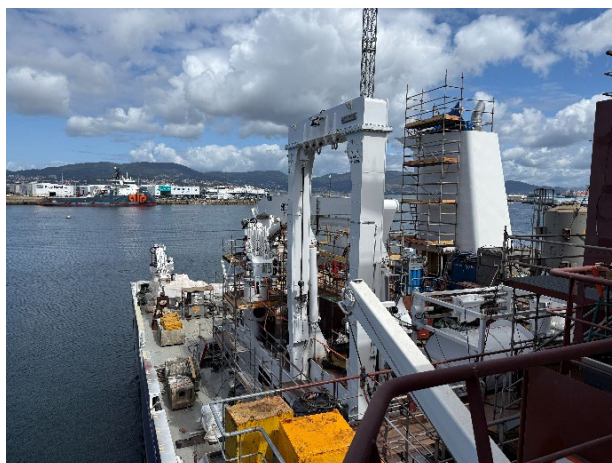


Fore deck with winches and store crane





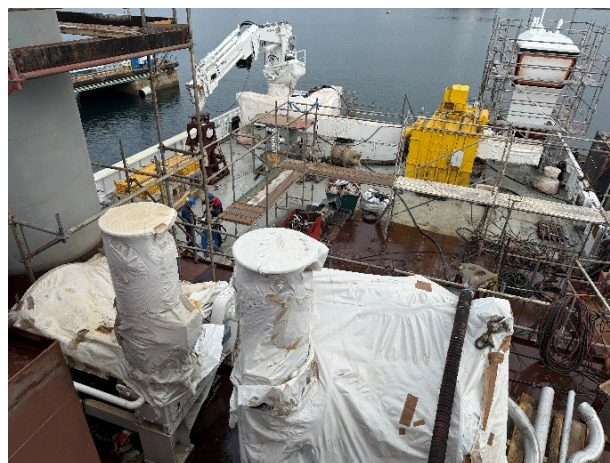
Top deck with Inmarsat communication equipment, navigation antennas and TV dome



Side A-frame with aft deck and control station of the side A-frame



Aft deck with cranes and winches



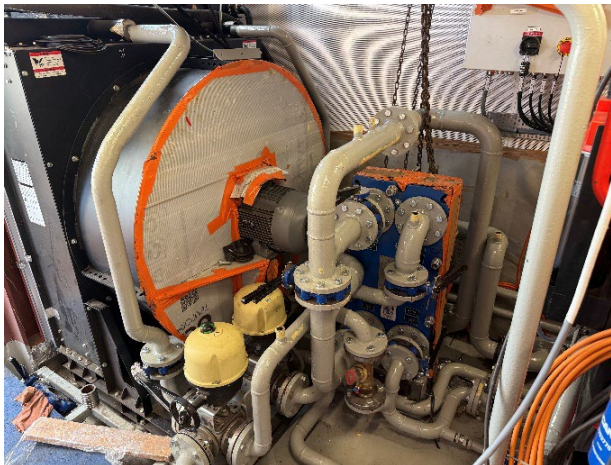
230 / 400 Volt board



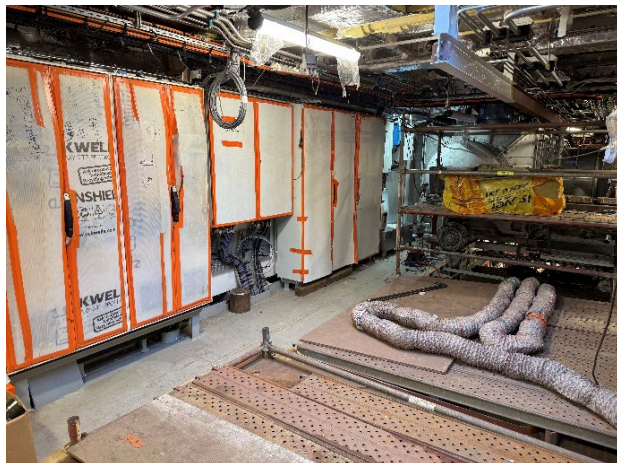
690 Volt board



Engine room tank top level



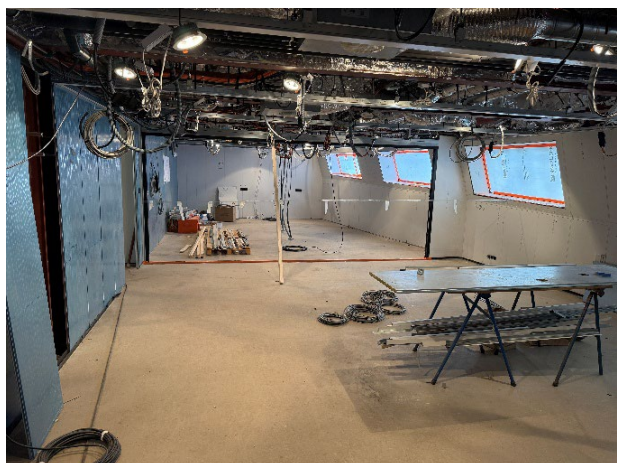
Heat recovery system cooling water harbour / emergency generator



Engine room midship



Insulating the DPFs



Lounge



Messroom



Corridor crewdeck



Galley

The shipyard and its subcontractors are busy completing the hull. The crew on board is working well and a large group of people from all relevant disciplines are currently at work. These include pipe fitters, ironworkers, welders, insulators, cable pullers, carpenters, etc.

Work is progressing well on the accommodation decks. Almost all the ceilings have already been installed on the lower two decks, except in the corridors. Work is continuing on the finishing of the cabins by installing furniture and fitting skirting boards. Most of the walls have been installed on the other decks, except in the laboratories. The ceilings will be installed on these decks in the near future. The electrician is busy throughout the accommodation preparing and installing the electrical systems, such as lights, sockets and everything related to the network.

The shipyard is busy working on the other piping systems on board. The fresh water cooling system, bilge and ballast system, fuel, etc. are being installed in the various areas. The shipyard has also started installing the tank vents for the fuel tanks. This is all being done using high-quality stainless steel piping, the welds of which must be 100% inspected because these are future methanol pipes.

Commissioning and energizing the systems has begun. The alarm system is connected to the shore power supply and systems are being added and checked step by step. The main boards have been energized and the safety devices have been inspected by the site team in accordance with the protocol. Local distribution boxes are energized in many places.



PLANNING FOR THE COMING MONTH

The completion of the technical rooms and accommodation will continue at the same pace. The site team will become busier with the necessary inspections and approvals. Many matters relating to finishing details are currently being dealt with on board. This requires input from NIOZ to ensure that everything is positioned correctly.

The installation of the ETS battery packs will take place this month. This was expected to take place in August, but has been postponed. All frames for the batteries are in the battery rooms and the batteries will be installed in the second week of September. At that time, Ingeteam will also test them.

The painting work will continue as planned, and the amount of painting work and therefore also the workload will gradually decrease. The exterior painting will require more planning, as the weather must be taken into account.

Commissioning will now take shape. The switchboards will be energized. The wheelhouse and lecterns will be energized in the first half of September. Testing of the first pumps will then begin. The first generators will also be started up in September.

The NIOZ ICT Team will start installing the network at the end of September. All hardware will be installed by the shipyard and NIOZ will set up the network software. This requires interaction between the shipyard and NIOZ because many shipyard systems, such as entertainment, CCTV, telephony, etc., run via these networks.

More information can also be found at <http://www.NewResearchFleet.nl>