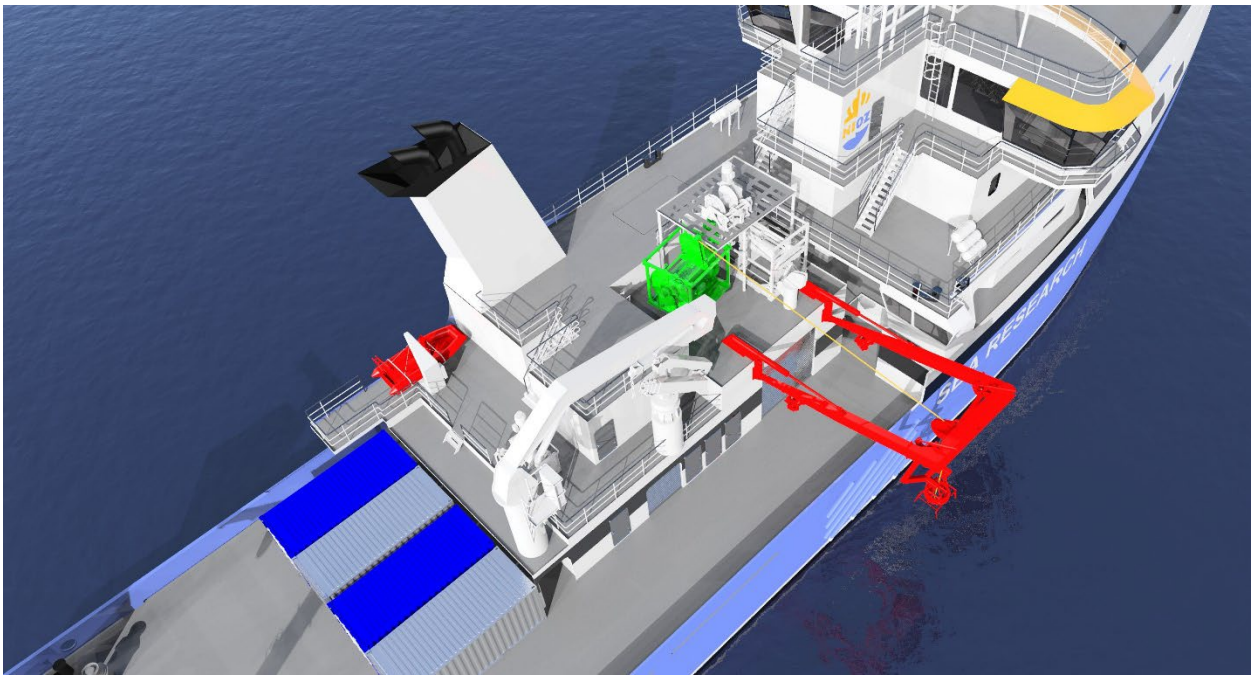
Construction RV *Anna Weber-van Bosse*



Progress report #12: February 2024

@ResearchFleetNL

INTRODUCTION

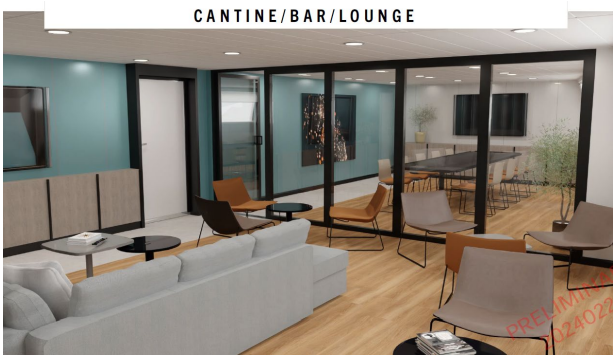
When it is complete, the RV *Anna Weber-van Bosse* will serve as the ocean-going research vessel for the Netherlands' national research fleet. The fleet is owned and operated by the National Marine Facilities (NMF), a department of the Royal Netherlands Institute for Sea Research (NIOZ). The NMF fleet 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 8, a team from the NIOZ visited the yard again for the scheduled six-week meeting. The team also visited the carpentry contractor Navaliber, the galley supplier Novofri and the 3D studio Ingemar. The presentation and renders by Navaliber corresponded with our design philosophy, and made a good impression. This time, the team visited the 3D studio Ingemar together with Gert-Jan Reichart and Bert Puyman. They paid special attention to the position of the bridge wing consoles, which the crew would like to configure differently than provided for in the current design. The team also held a second meeting with the Kongsberg firm to discuss the science data management system/

During the last visit to the shipyard, the team also inspected a New Zealand vessel that is almost ready to begin sea trials. Considerable progress has been made over the last six weeks, and the vessel is approaching completion. The owners are satisfied.

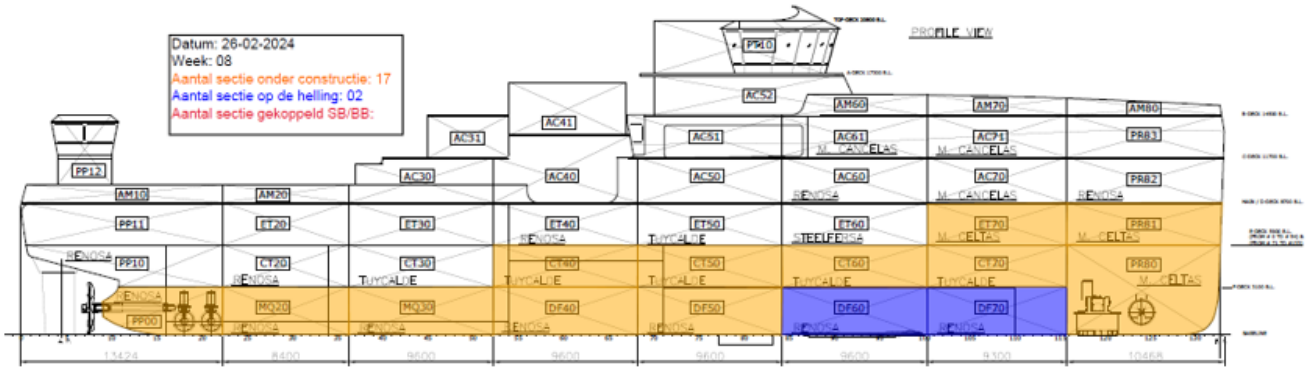
The team also held exploratory meetings with a Navy department to organise underwater sound measurements to be conducted at the Heggernes test facility. This range is located in the Heggernes fjord in Norway, and is used to measure underwater noise, primarily noise from Naval vessels.



Navaliber presentation of preliminary designs

PROJECT STATUS

The shipyard is hard at work on manufacturing the sections, and the sections highlighted in yellow below are currently in production throughout the yard. Sub-components of other sections are also in production at the moment. The sections highlighted in purple have been accepted by the NIOZ and placed on the slipway.

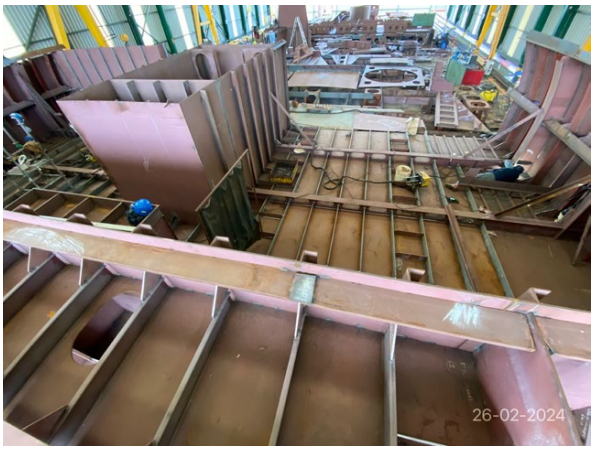


Two double-hull sections are now in their definitive locations in the production facility. The yard is expected to join the next section early in week 10. A total of 17 sections are currently under construction, and various components of other sections are in the pre-production phase.

The photos below show some of the sections currently under construction.

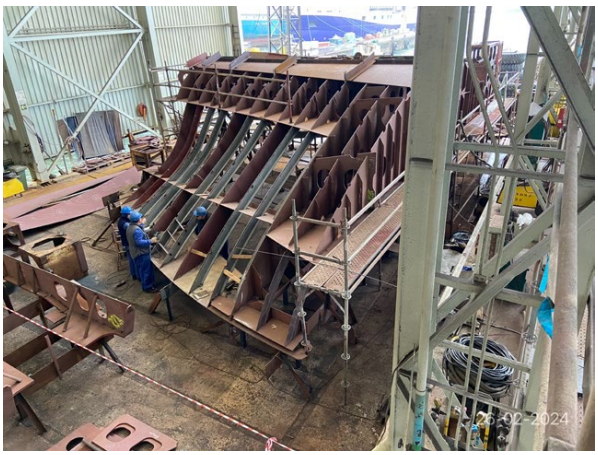
DF71 is 95% complete

CT60 is 95% complete and on its way

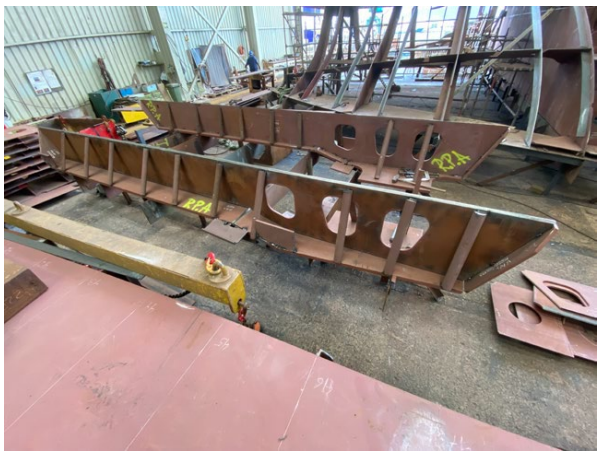


CT50 is 65% complete

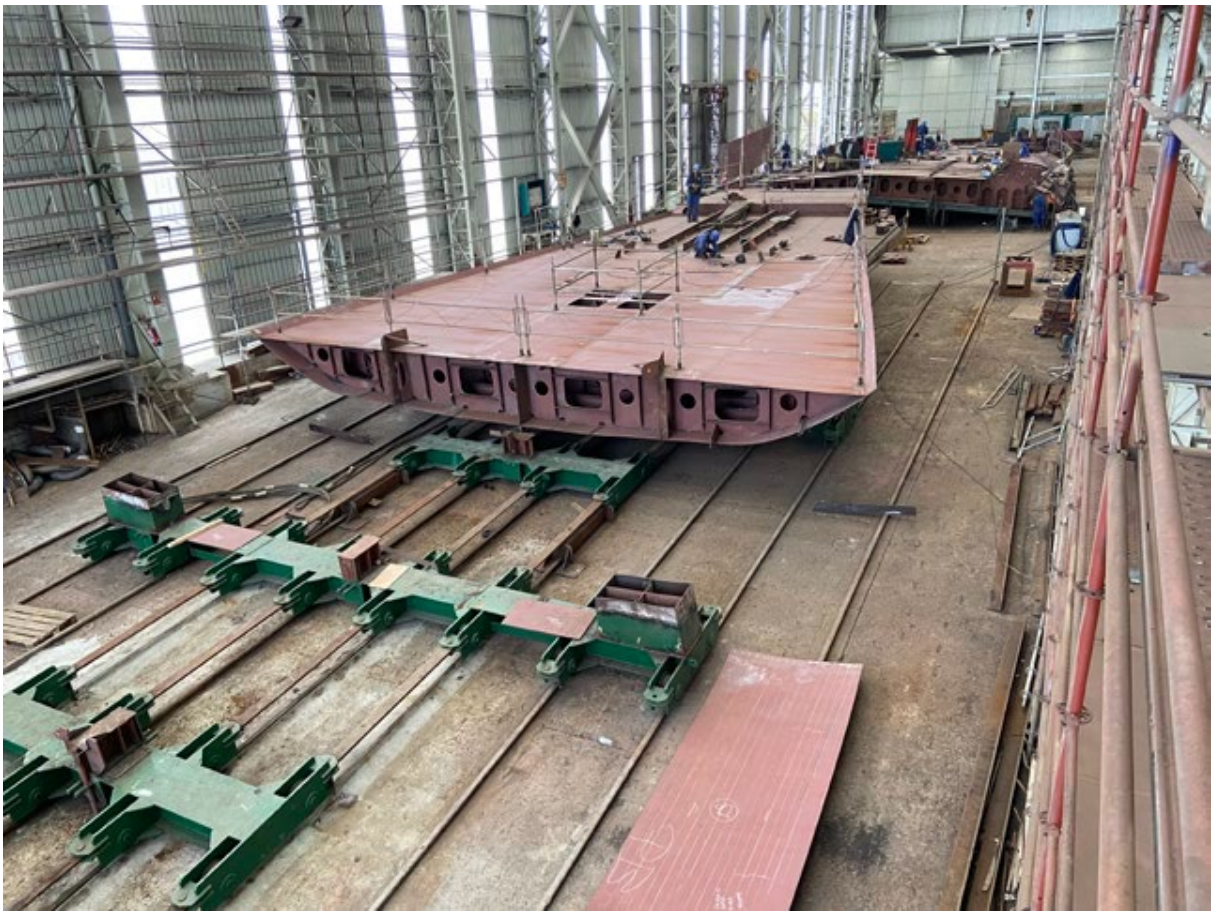
CT60 is 95% complete and on its way



MQ20 is 55% complete

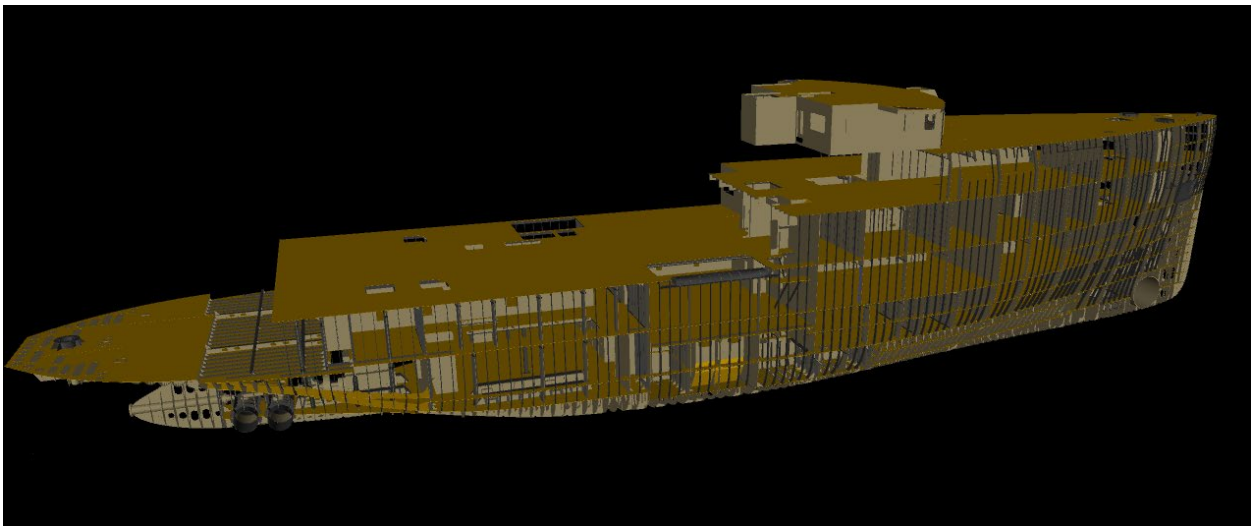


Propulsion motor base



General overview of the production facility Sections DF60 and DF70 are shown in the foreground. Section DF50 is almost complete in the background.

The shipyard has begun manufacturing the first pipelines for the sections under construction. These mainly include the main lines that will be difficult to install later on.



Current status of the 3D model

SCHEDULE FOR THE MONTH AHEAD

Over the next month, we will try to finalise the schematics for several issues. The shipyard will make appointments with some major sub-contractors in the near future to discuss the scope of supplies in a timely manner. The navigation and communications systems need special attention in the very near future, due to their importance and complexity.

We will have to invest considerable effort in the plans and arrangements together with the shipyard to ensure that all of the bases and mountings are positioned correctly. Production of the sections will continue, and more capacity is expected to become available over the coming month, as the 4th section builder will begin work in March.

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