

Hi ! This is 1:100 model of PSV/OSV vessel based on real vessel „Dona Paula” built in 2015 in China. Ship is 61.8 m long, 14m wide. Powered by diese-electric engine and two Azipods with dynamic positioning system.

I have been 3 months onboard this ship during Pacific ocean passage. Model isn't much detailed, there for sure can be founded mistakes, but it's my first such big project. All dimensions are based on fire plans and photos made on board.

If you decide to build this model, remember that there is a lot of parts to glue and paint. My painting skills are quite poor, but I have some experience already. I will be very grateful for sharing every made of this model.

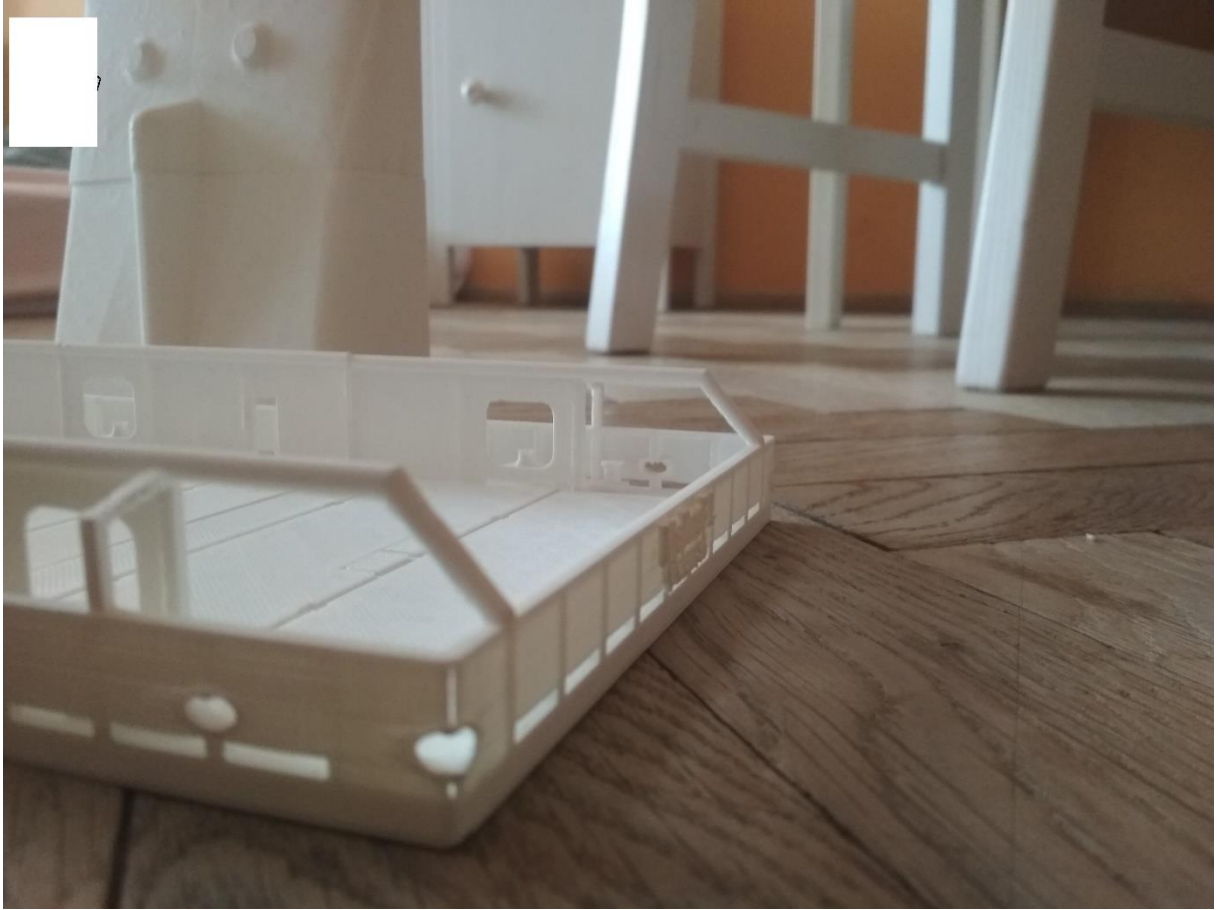
I divided model in few groups. HULL; COMPASS; CRANE ;ANCHOR;AZPIOD;DECK;PIPELINE;RESCUE BOAT; WINCH; STAIRS&RELING. I prefer to print without supports, and that is one of the reason of such many parts of model. If you like to do it in your way, you can find files before splitting bodies decribed „FULL”. In design software I had problem with dimensions, and because of that, to obtains 1:100 scale, most parts have to be scaled in slicer. Every file have decrption of scale (%) to be put in slicer to obtain overall 1:100 scale and how many times should be printed (x1,x2 ect.)

#### Hull

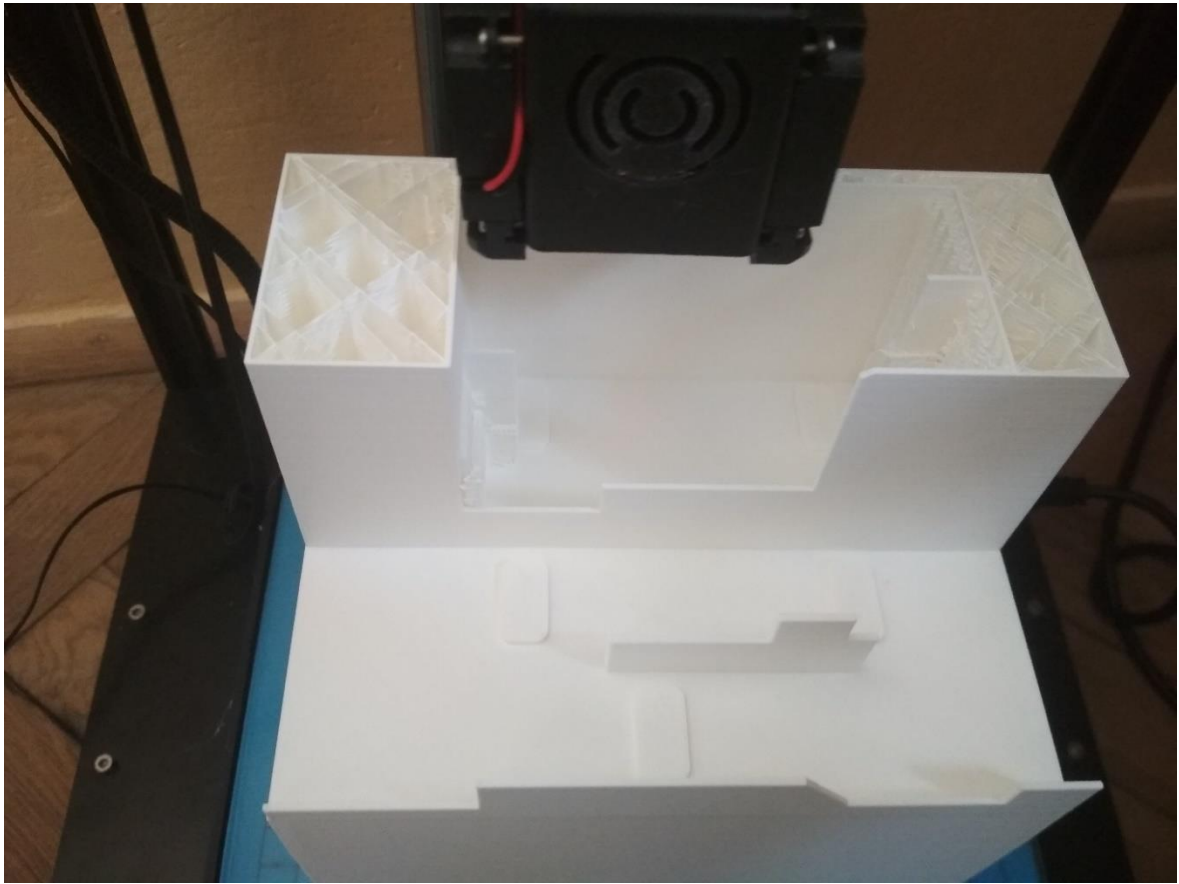
My printer (sapphire S) has max working space 200&200&200 and For easy and quick print, I divided hull into 11 pieces, but can be easily printed in 9 pieces as well. Files are numbered. I put some photos of results. My printer (sapphire S) has max working space 200&200&200 and For easy and quick print, I divided hull into 11 pieces, but can be easily printed in 9 pieces as well. Files are numbered. I put some photos of results.



Hull 1.1/2.1 /3.1 There are a lot of Bridges, mine were not perfect- I put some extra fillets to avoid such mess. Check how your printer manage with bridges .



Hull 1.1 after repairs.



Hull. 4.1

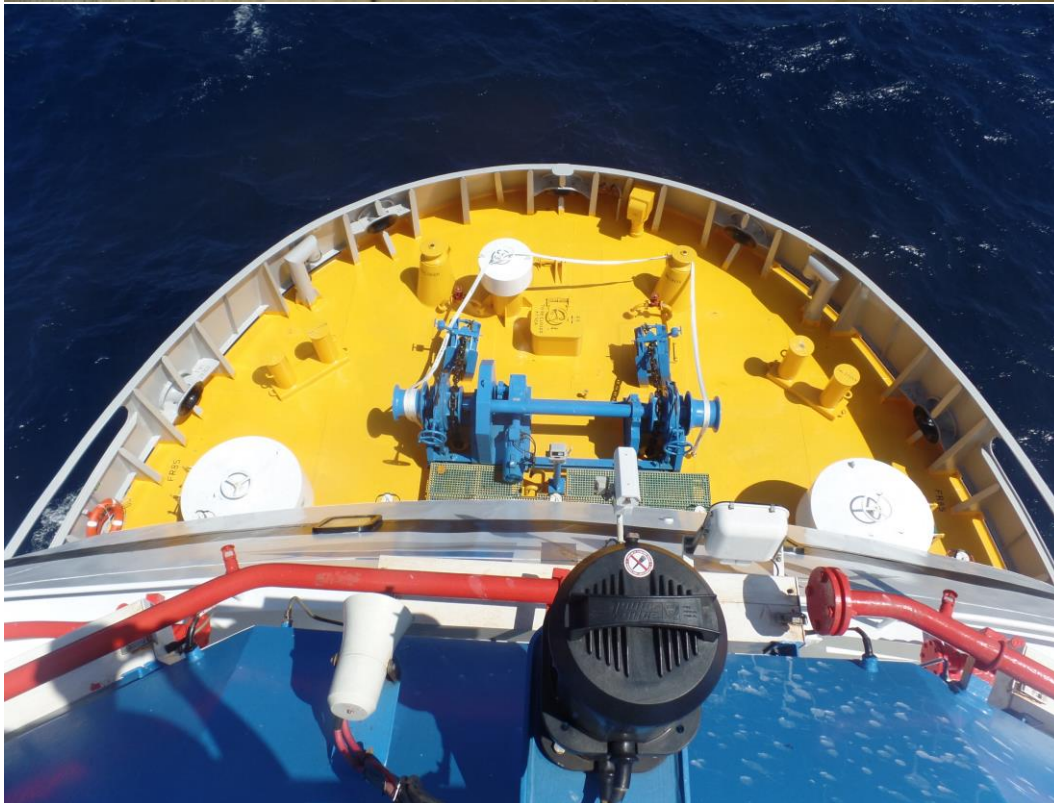
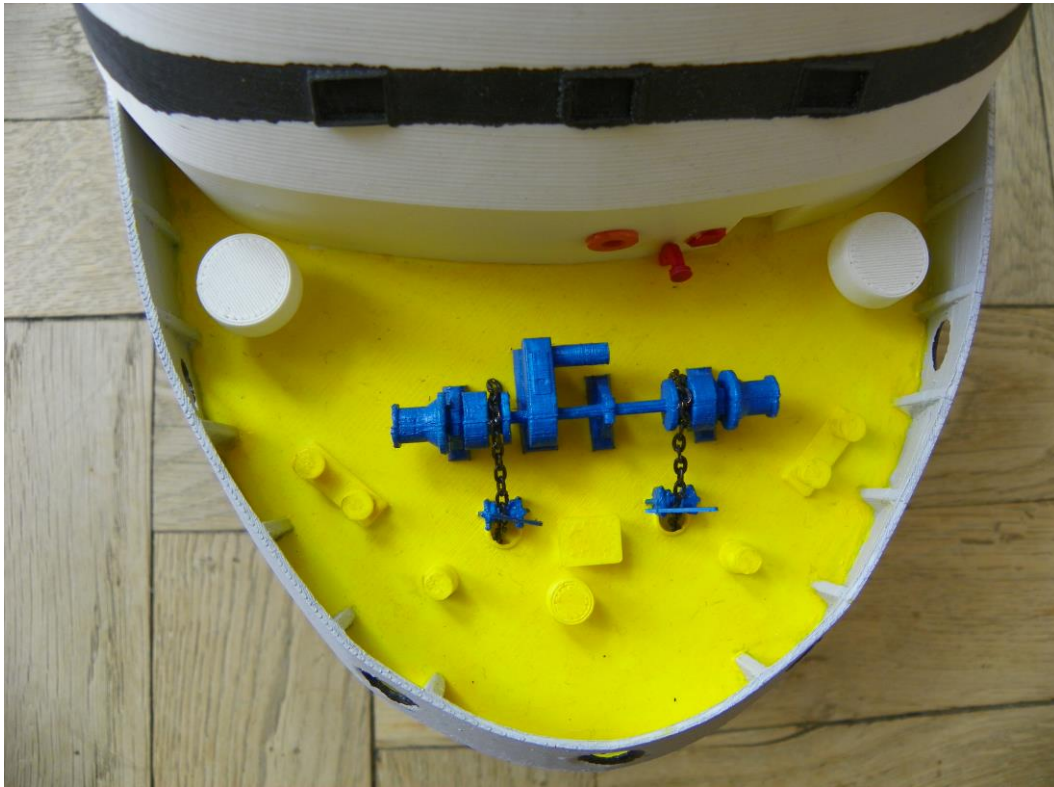


Hull 3.1&2.1&1.1 and 1.2&2.2





Hull FULL+ Compass deck before painting

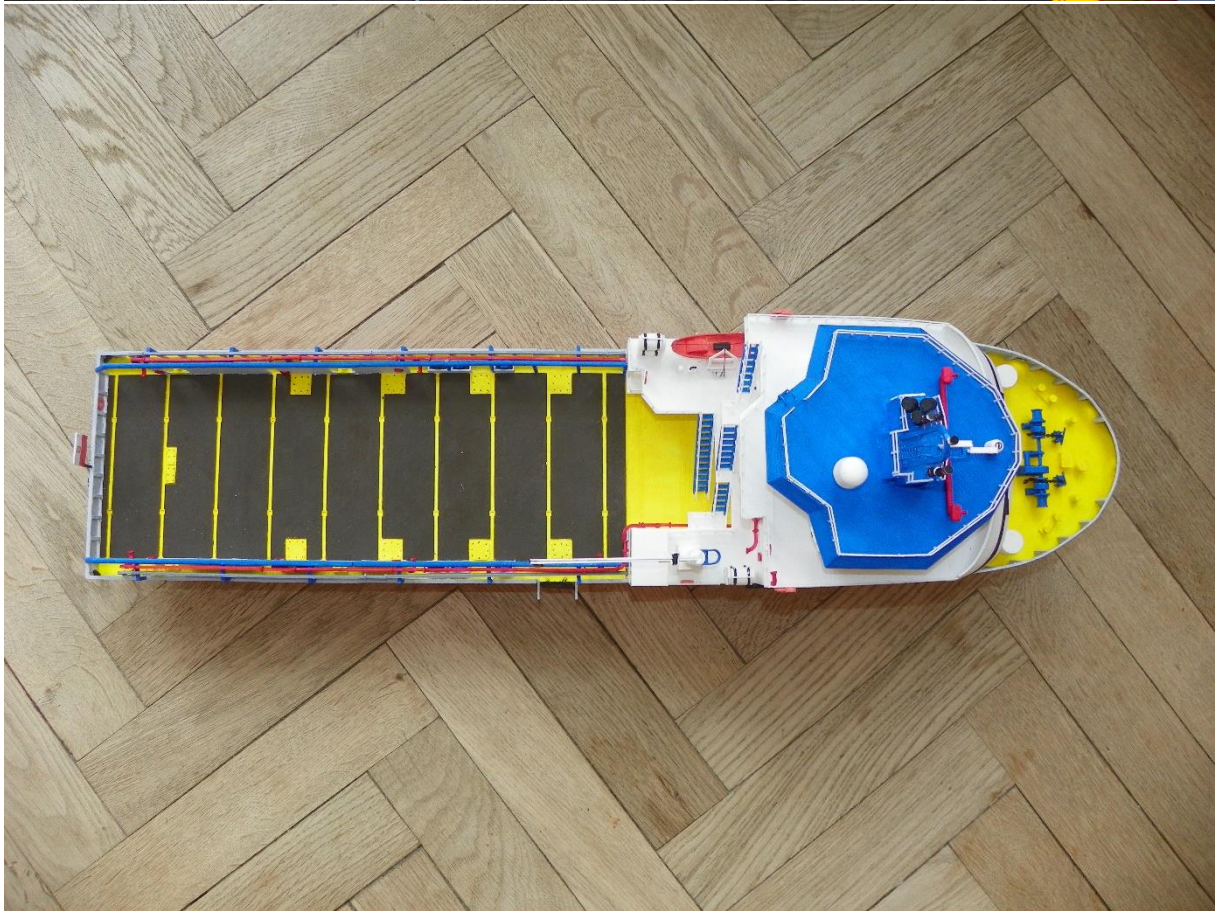


Forecastle real vs model (hull 5.1)







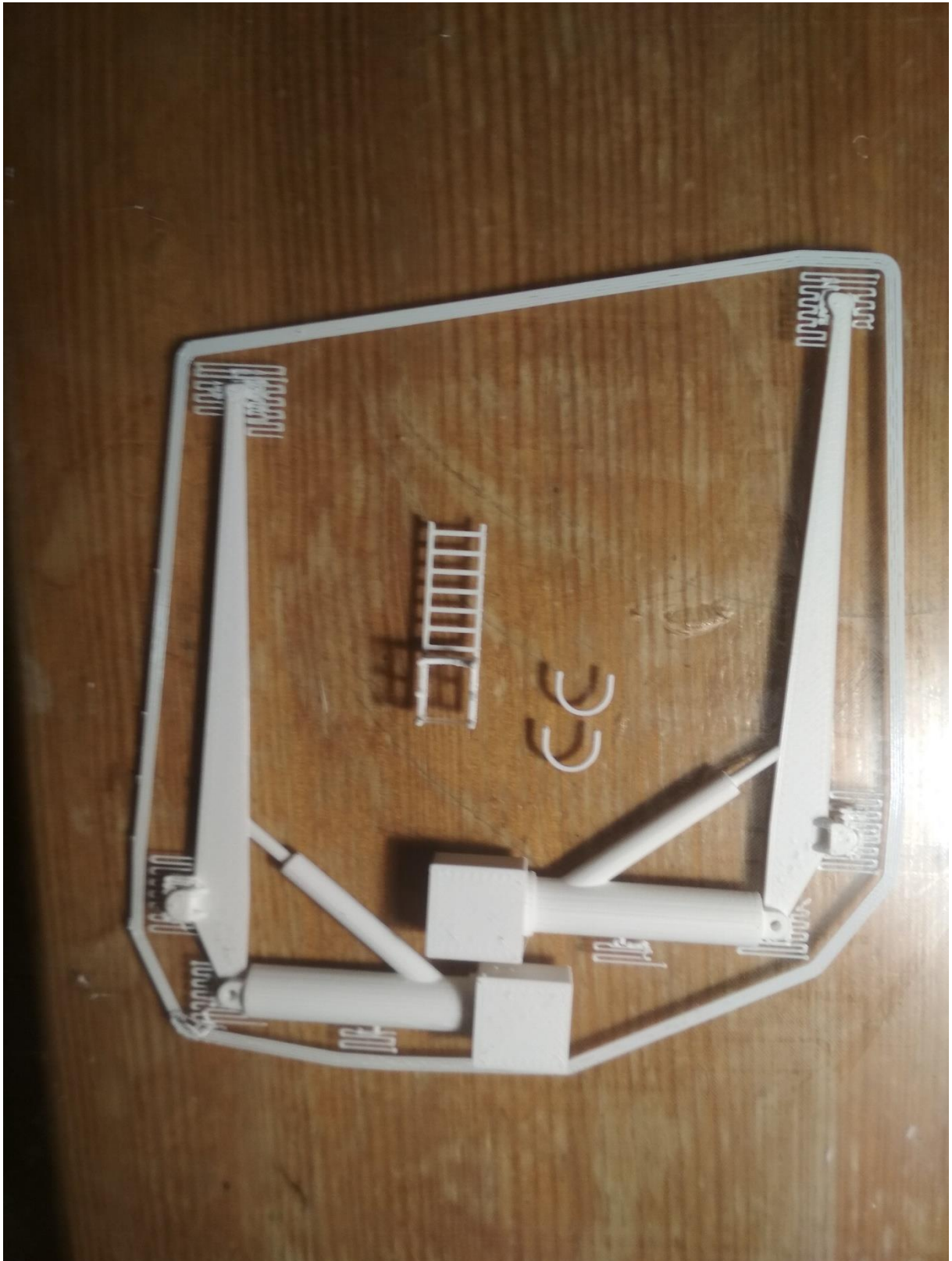


DECK : REAL vs MODEL

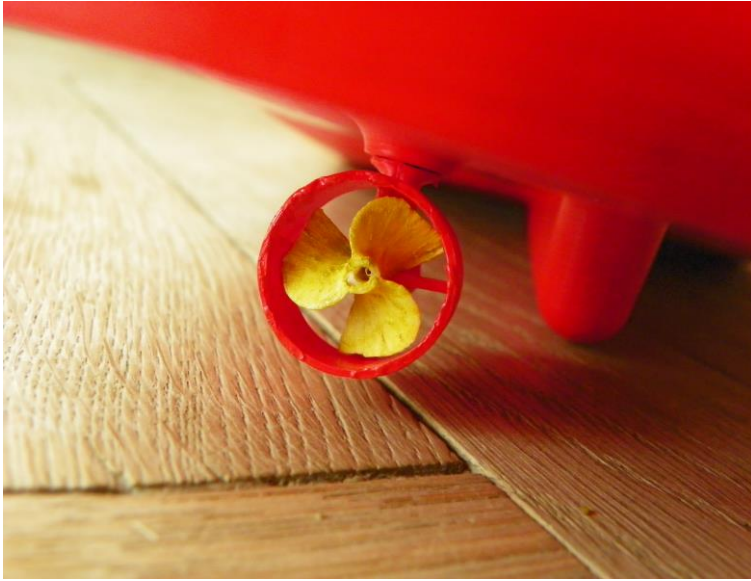


## CRANE

Printed with 0.3 nozzle

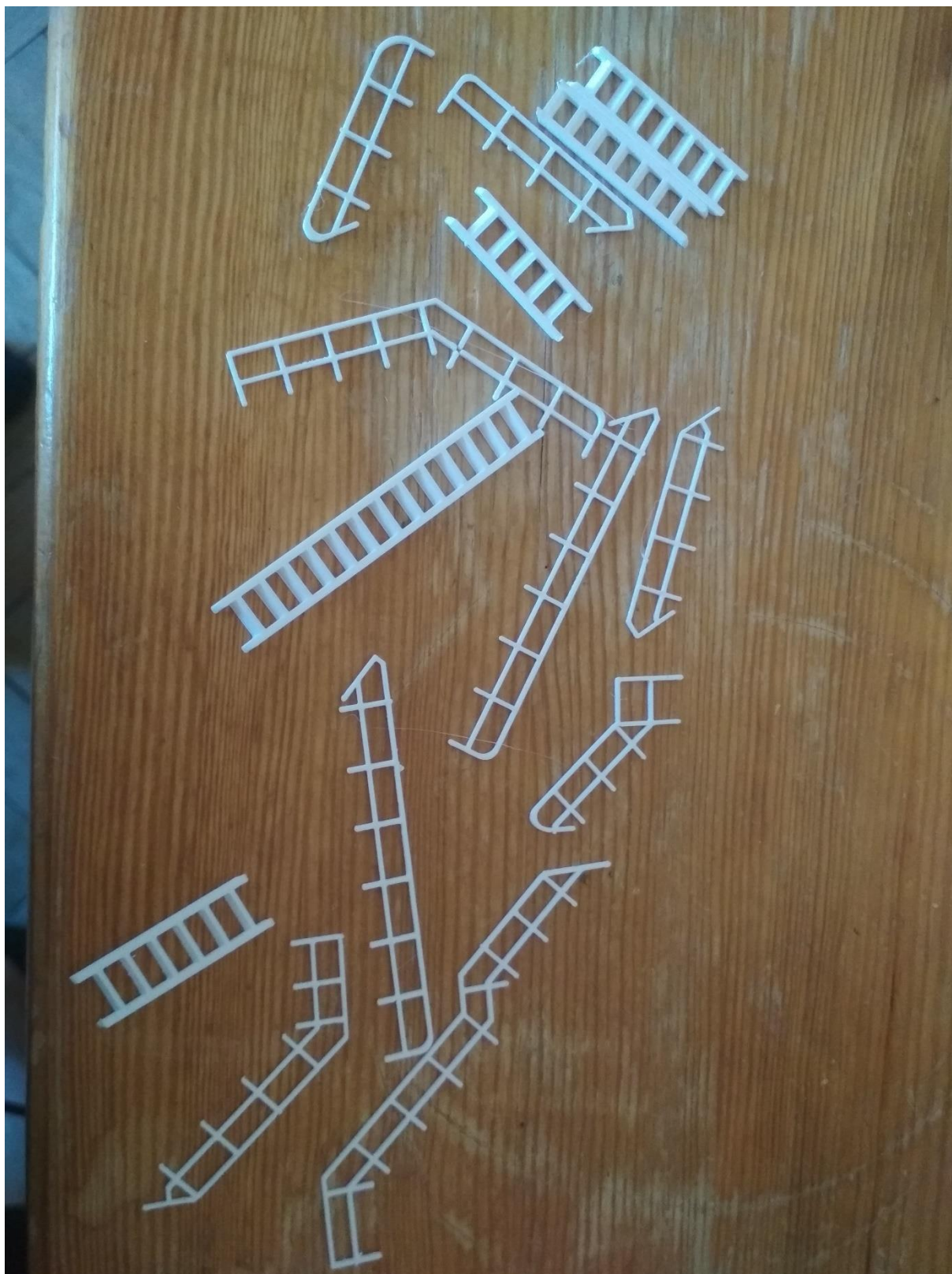


Azipods- Propeller is random, and designed not by myself. I downloaded it from thingiverse and fitted inside azipod. Propeller is very hard to print is such small size.

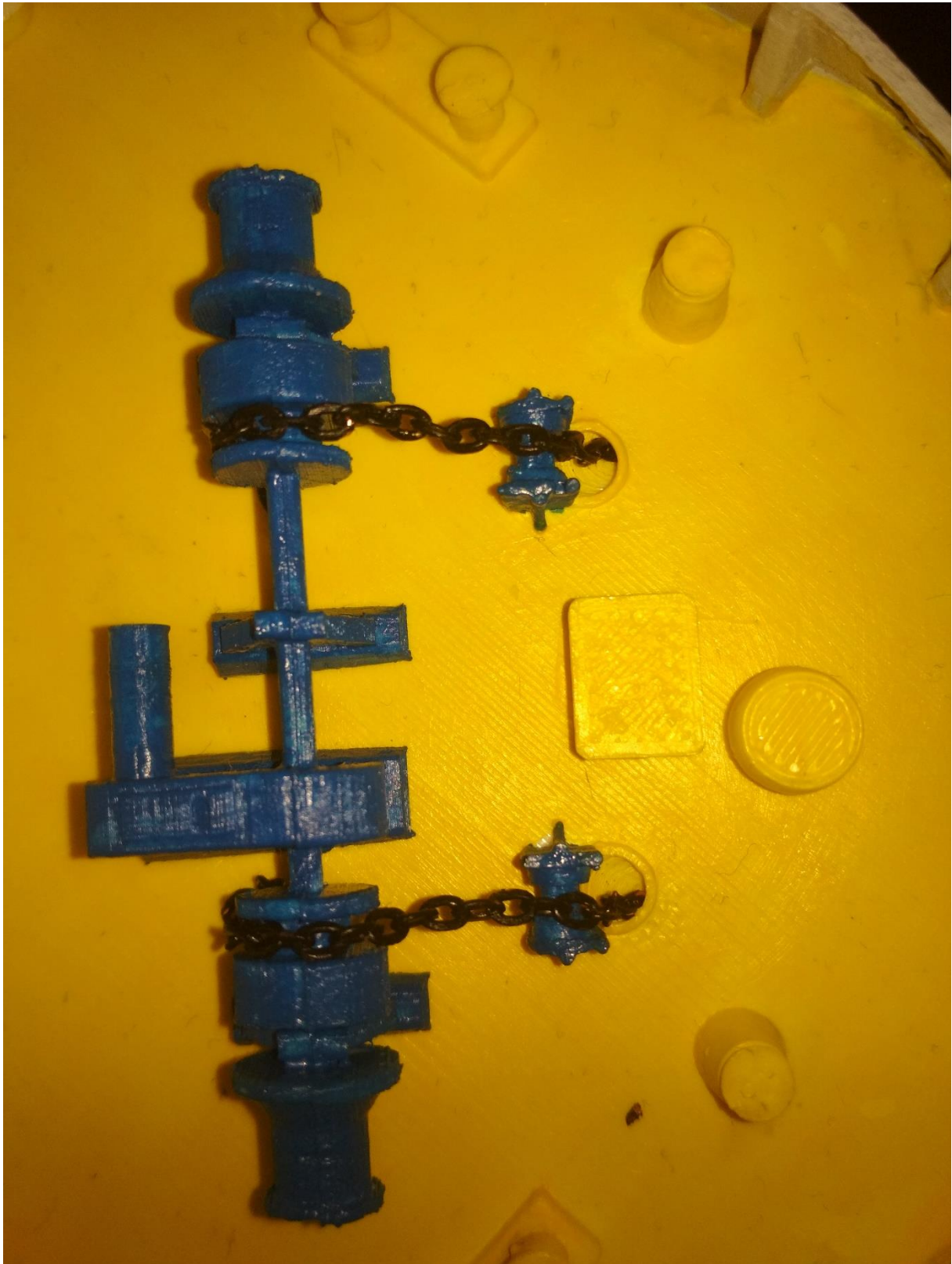




Stairs and relings : only relings on stairs are ready, all other have to be cut and fitted & glued to deck.



WINCH- I forgot about hole to chain locker ;/ Anchor Chain is made from cheapest jvelery found on aliexpress.

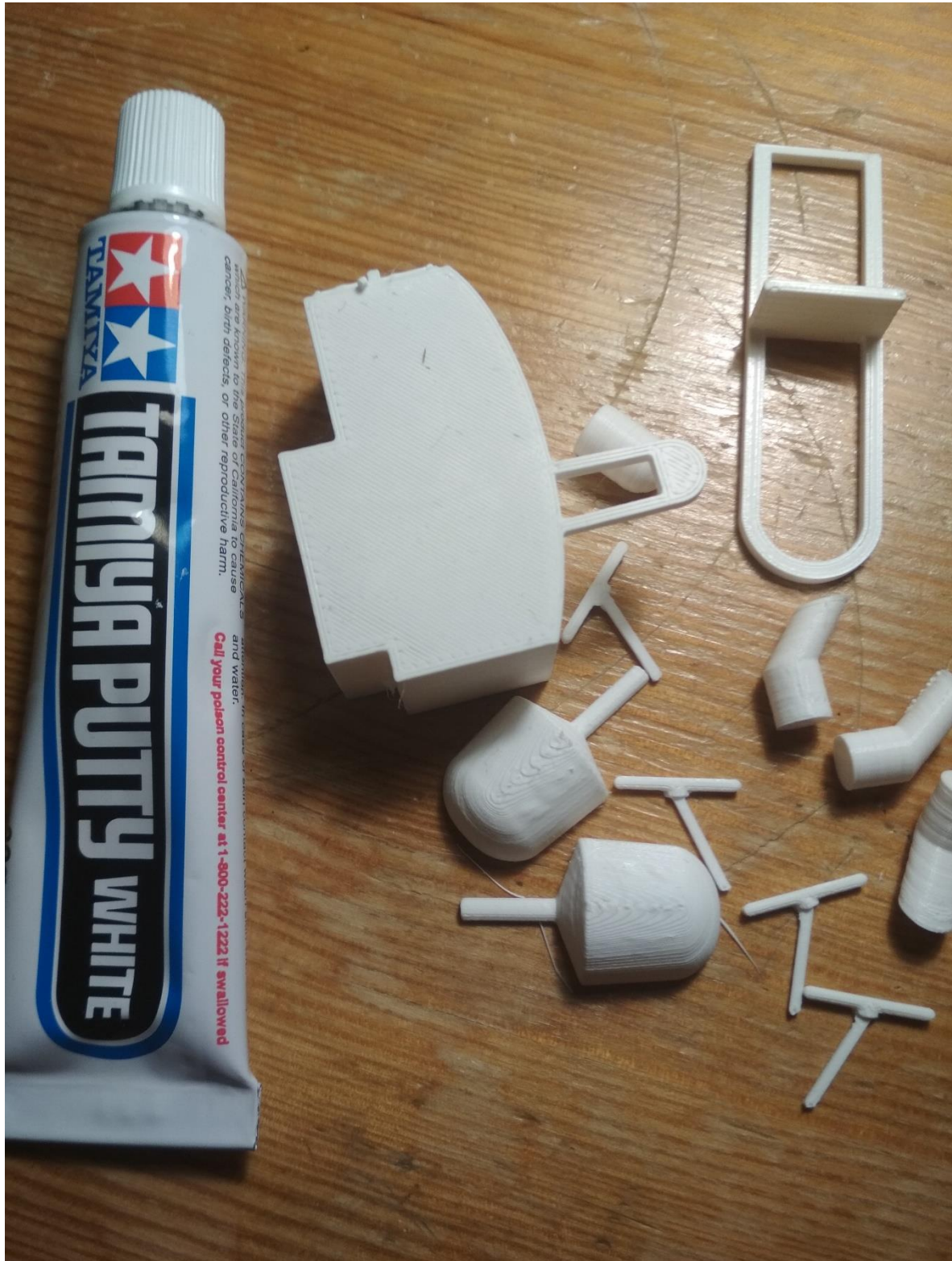




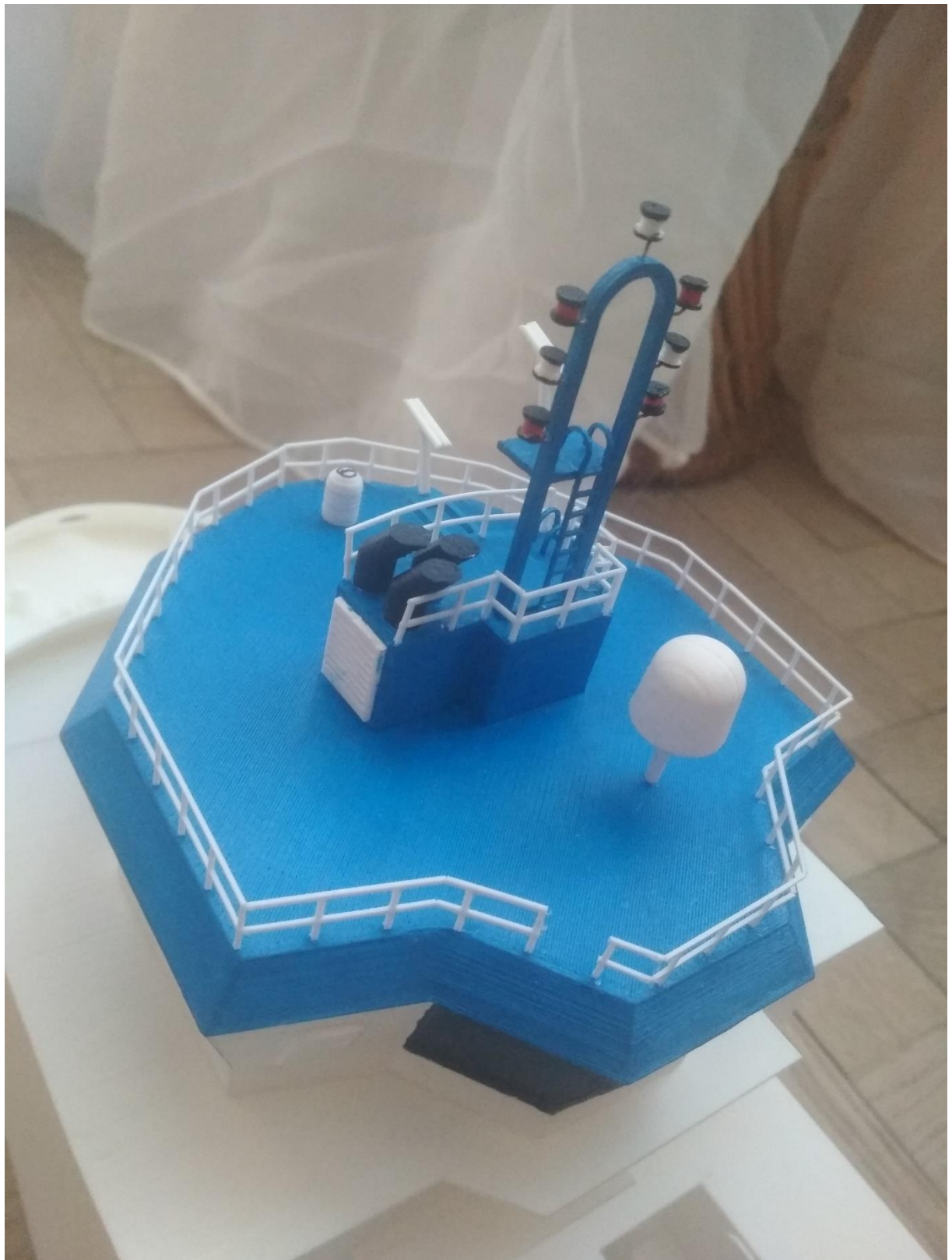
RESCUE BOAT – in my opinion hardest part to print and glue. All fils are tiny and fragile. 0.3 nozzle recommended.



COMPASS DECK: all at the top of bridge.







PIPELINE : All pips have to be cut and fitted onboard. There are flanges for making connections. There are two kinds of pipelines. Cargo (gray) and firefighting (red). Cargo is based along deck. Firefighting should be placed all around the ship. My firefighting system is simplified, but maybe somebody will make it more exact.

