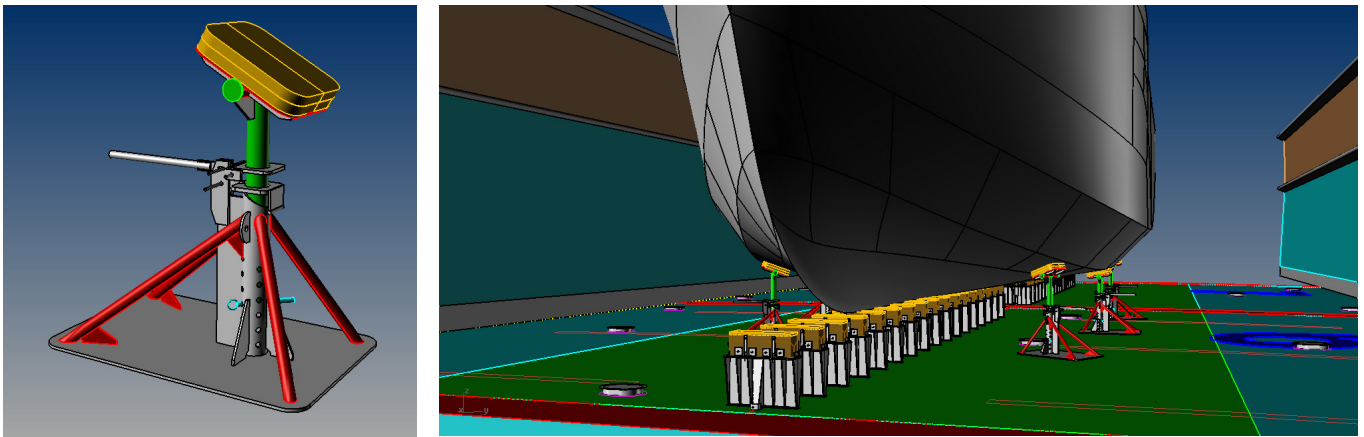


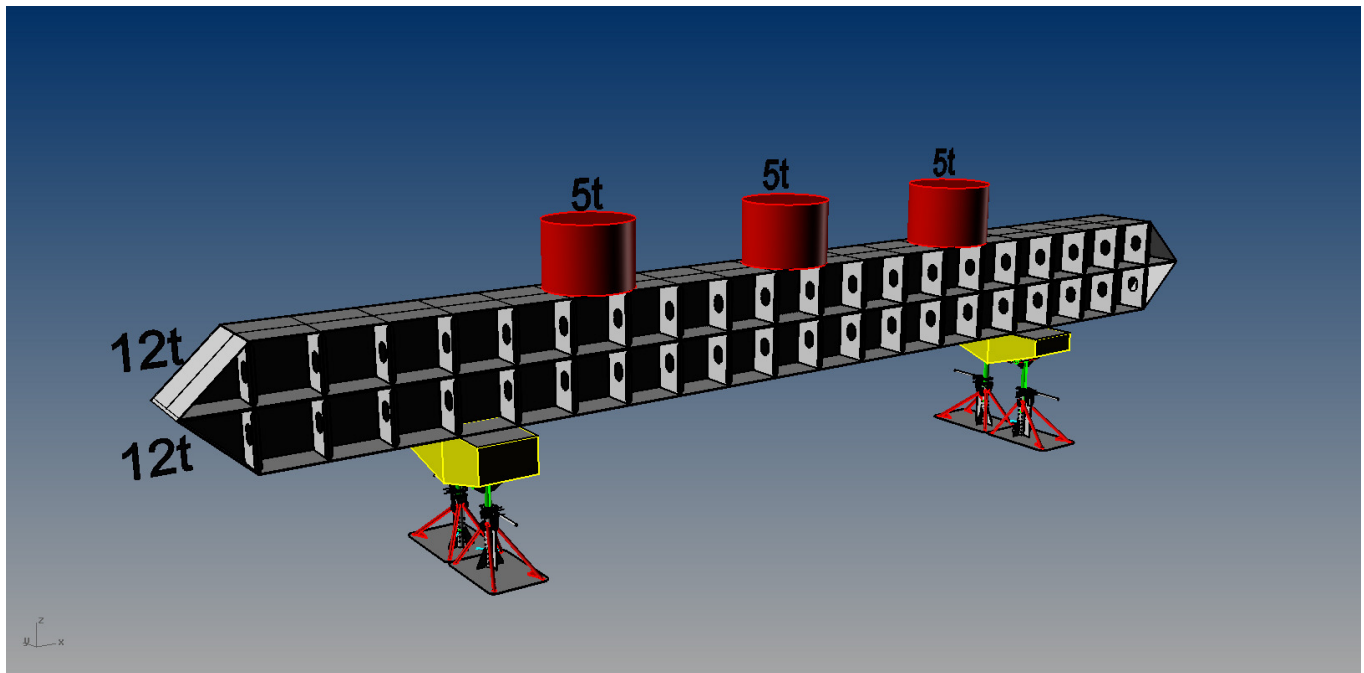
Universal side blocks (supports) – new concept

In their activities to improve services in terms of more efficient, faster and safer repair of yachts, sailing boats, work boats / vessels etc., engineers from Adriatic Shipyard Bijela have developed specific side blocks (supports) that are of universal application and are adjustable according to the overlapping angle and height, along the floating object that is to be docked.



The main purpose of these blocks is side blocking of smaller floating units. The use of side blocks of this type is applied at docking or on taking out of objects from the sea by working cranes at wharfage and setting on supports. The advantage of this side blocking is easy handling and adjustment along the height and angle of the sloping bottom, which operation is handled by a single operator through the lever mechanism.

The vessel, at her docking i.e. taking out, by almost of all her weight, 80% -100%, reclines on the keel i.e. central blocks (central supports). Side blocks (supports) only serve to give the stability to the vessel on dry and at the same time to take over up to the max. 20% of the total weight of the vessel.



A similar type of side blocks is also used in other shipyards, but what is specific to the new concept developed in the Adriatic Shipyard Bijela is that these blocks are functioning (working) on the principle of gap and friction, through the simple mechanism driven by the lever. Work conditions on the dock: sea water, rust, grit blasting, painting, do not interfere with the successful operation of these blocks, even on the contrary - the greater the friction, thus the efficiency of mechanism is higher. In this way we have avoided bolted connections, cleaning of various impurities, lubrication, hydraulics and pneumatics, which greatly increase not only the manufacturing, but the maintenance as well. . Specific side blocks were tested at the load of 10 Tons per block by simulation of the vessels and by adding loads.