



## **Choosing the material of the pontoon and the constructive type of floating dock**

In its design features the floating docks can be multi-pontoons and mono-pontoon.

Multi-pontoons dock has advantages mainly for the Floating Docks Builders.

The construction of the multi-pontoon dock does not require a large construction area (at a relatively low cost of hull volume compared to ships) and powerful crane equipment.

The unification of pontoons allows to reduce labor-intensiveness and to produce separate pontoons at different production sites.

The rules of classification societies for steel docks require their periodic inspection, examination, and docking in dry or floating docks.

Builders of multi-ponton docks offer to potential buyers a modular dock, for which there is a technical opportunity to alternately "unbuckle" individual pontoons and dock them in the same dock for maintenance.

The so-called a self-maintenance floating dock.

In fact, no one of the dock owners makes such operations to save on operating costs and increase the time of operation of the dock.



The dock offered by "Pallada" have one pontoon that is made from marine reinforced concrete, which is not subject of corrosion in seawater and does not require docking and maintenance for all operation time – more than 50+ years.

The wing-walls are made from shipbuilding steel and its maintenance can be done afloat.

In addition, a mono-pontoon floating dock with reinforced concrete pontoon is tougher than a steel multi-pontoon dock (because is involved in ensuring the overall strength of the dock) and is less affected by the difference in sea water and ambient air temperature changes on the deflection and inflection of the dock.



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