



# SUBMARINE FLOATING DOCK

# SUBMARINE



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Ongoing "Submarine Floating Dock" construction project that will be delivered to Turkish Navy to serve the submarines in the inventory

## GENERAL DIMENSIONS

Length	90 m
Length Overall	105 m
Breadth (B)	25,1 m
Breadth (BIC)	17,05 m
Breadth Overall	26,65 m
Depth	19,9 m
Draught	12 m
Design Waterline	16,5 m
Lower Safety Deck	14,77 m
Upper Safety Deck	17,36 m
Crane Deck	19,95 m

## EQUIPMENT AND SYSTEMS

### Automated Sliding Roof System

Roof Length	87 m
Roof Width	27,8 m
Roof Height	3,9 m
Roof Weight	62856 kg
Number of Carriers with Reductor	18 pcs
Number of Carriers without Reductor	48 pcs

### 2 Automated Shutter Doors

Shutter Door Weight	16500 kg
Door Height	22,5 m
Door Width	17 m
Beam Depth	1,2 m

### Gantry Cranes

Lifting Capacity  
Lifting Speed

Moving Speed

## Pumps

Tank Discharge Pump (6 pcs)  
Fire Main Pump (3 pcs)  
Pressurization Fire Pump (1 pc)  
Compartment Discharge Pump (4 pcs)  
Submarine Sea Water Pump (1 pc)  
Submarine HVAC Sea Water Pump (1 pc)  
Gen.Set. Sea Water Pump (4 pcs)  
HVAC Sea Water Pump (2 pcs)  
HVAC Fresh Water Pump (2 pcs)  
Sewage Water Pump (2 pcs)  
Hydrophore Set (2 pcs)  
Fuel Pump (3 pcs)  
Lubrication Oil Pump (4 pcs)  
Dirty Oil Pump (4 pcs)

SDS-V 350/400  
ECOSNL 80/250  
SKMV-H 50/3  
ECO SNMV-H 200/260  
ECOSNL 50/200  
ECOSNL 50/160  
ECO SNL 65/125  
ECOSNL 65/160  
ECOSNL 40/160  
SP 2  
2XSBT-V 90/5 +1X200 LT  
YK 11/2  
YMK 1  
YMK 1

Docking Operation & Monitoring System  
Damage/Fire Control/Alarm System  
Machinery Control/Monitoring System  
Private Monitoring System  
Announce / Alarm System  
Underwater Monitoring System  
Ship Positioning System  
Deflection System  
SP Telephone  
Tank Sounding System  
Fire Detection System  
Wind Monitoring System

MCS  
MCS  
MCS  
Videotec-Hikvision  
Sonix  
LH Camera  
Betesan  
Xtronica  
SCM Sistemas  
Xtronica  
Marinelec  
Daeyang

### 4 x GENSETs

Generator	MRG-MSH-600
Power	480 kWe
Power Factor	0,8
Frequency	50 Hz
Alternator	Leroy Somer LSAM 49.3 M6

## GENERAL FEATURES

Lifting Capacity

3000 tonnes

Diving Duration

75 mins

Personnel

28 floating dock personnel and 14 submarine guarding personnel

Operation Period

5 days without replenishment

Tank Capacity

14046 m<sup>3</sup>

Roof

Automated Sliding Roof System

Door

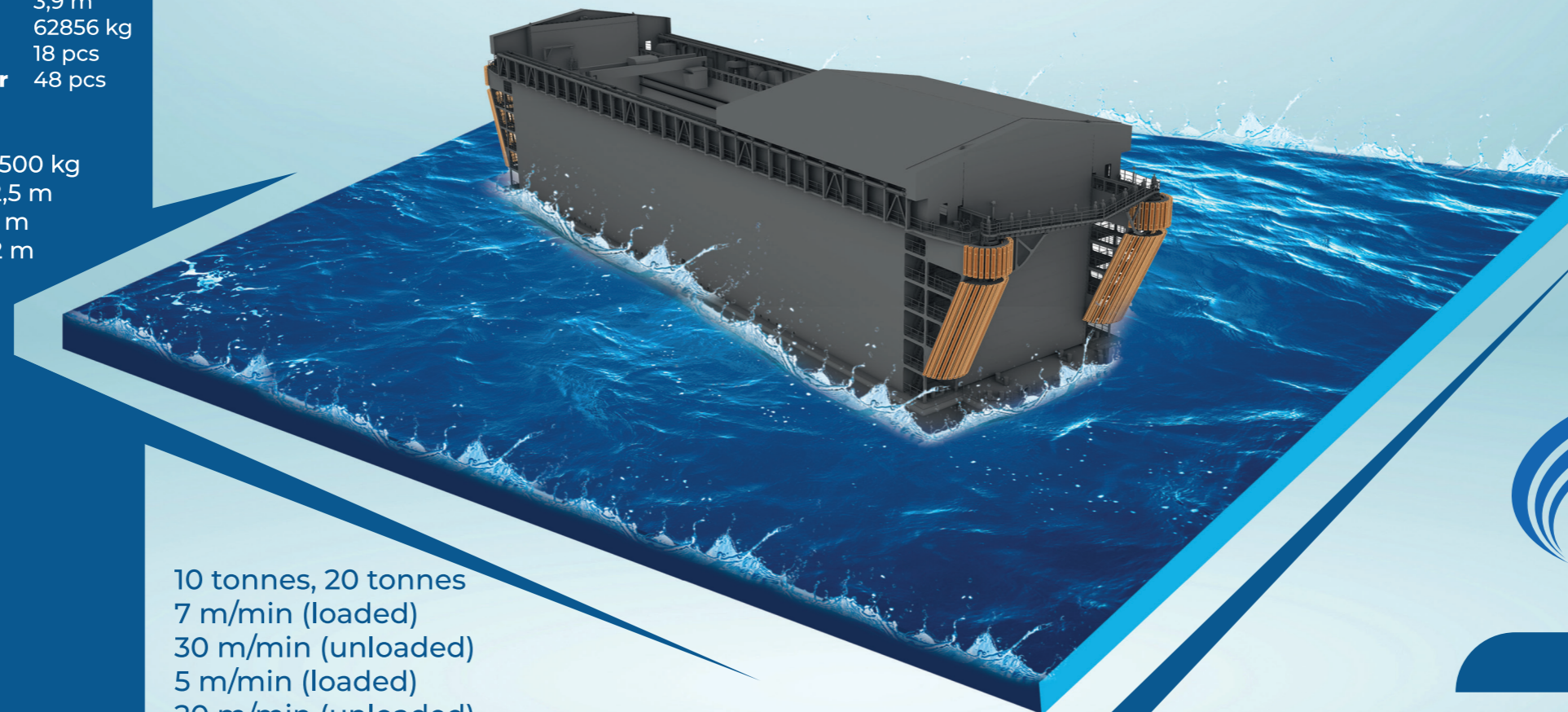
2 x Automated Shutter Doors

Crane

2 x Gantry Cranes with 10 tonnes and 20 tonnes lifting capacity

Classing Society

Turkish Loyd



10 tonnes, 20 tonnes  
7 m/min (loaded)  
30 m/min (unloaded)  
5 m/min (loaded)  
20 m/min (unloaded)



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