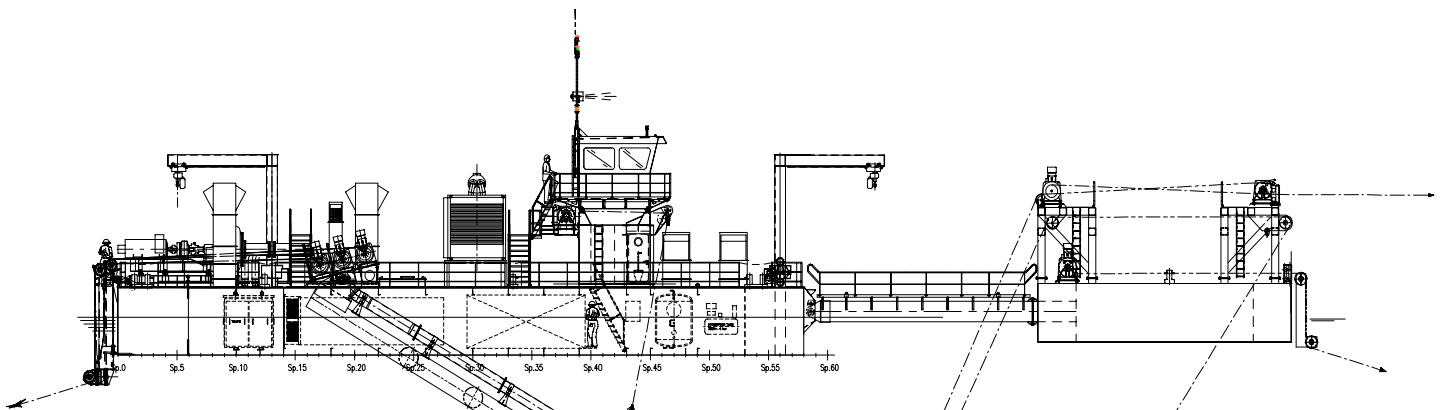
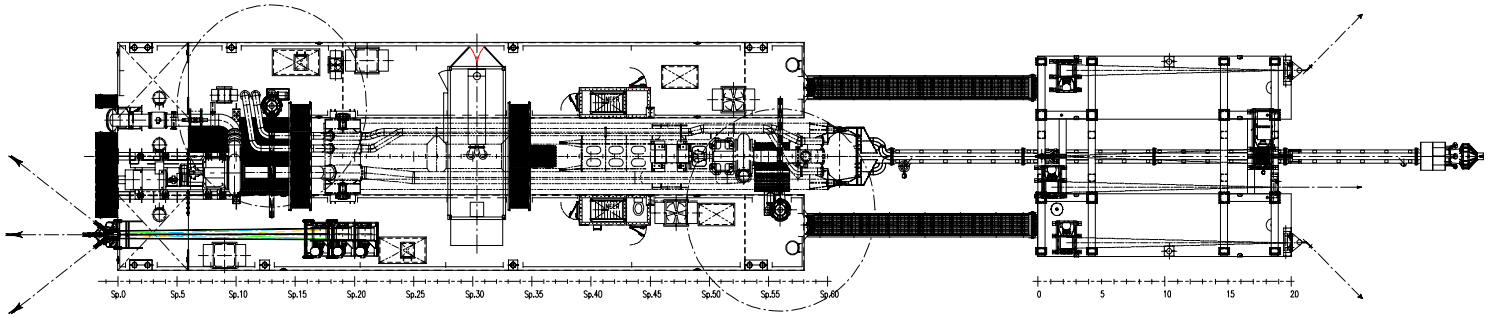


Deep suction dredger 'ROTTERDAM 58'



Principal Dimensions

Length pontoon	over all	58.80 m
Breadth	main pontoon	9.00 m
Breadth	suction pipe hoist pontoon	8.00 m
Depth	main pontoon	2.60 m
Depth	suction pipe hoist pontoon	2.30 m
Draught		1.50 m
Diameter	suction pipe	0.50 m
Diameter	discharge pipe	0.45 m
Dredging depth		40.00 m

Machinery

Submersible pump	400 kW
Booster pump	400 kW
Jet pumps	2x 132 kW

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Project 02.307

Figures are indicative only

Deep suction dredger 'ROTTERDAM 58'



This completely dismantlable electrically powered dredger has been designed specially to work with the floating sand processing plant 'Rotterdam 58' capable of handling about 1 200 t/h solids.

The U-shaped main hull consists of three pontoons: one transverse coupling pontoon aft and two side pontoons.

The two suction pipe hoist pontoons are hinge connected to the main hull and act as an adjustable floater, depending on the suction pipe load.

The control cabin is situated on top of the ladder hoist portal enabling an excellent view over the entire dredger.



two suction pipe
hoist pontoons



The pontoon carries the ladder with submersible dredge pump and the jetwater activated suction pipe. On the transverse pontoon a booster pump is situated for discharging the soil to the plant. The dredger is positioned by six winches.

VER scope of work

By order of Shipyard Slob, Vuyk Engineering finalised the design and completed most of the detail engineering.



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