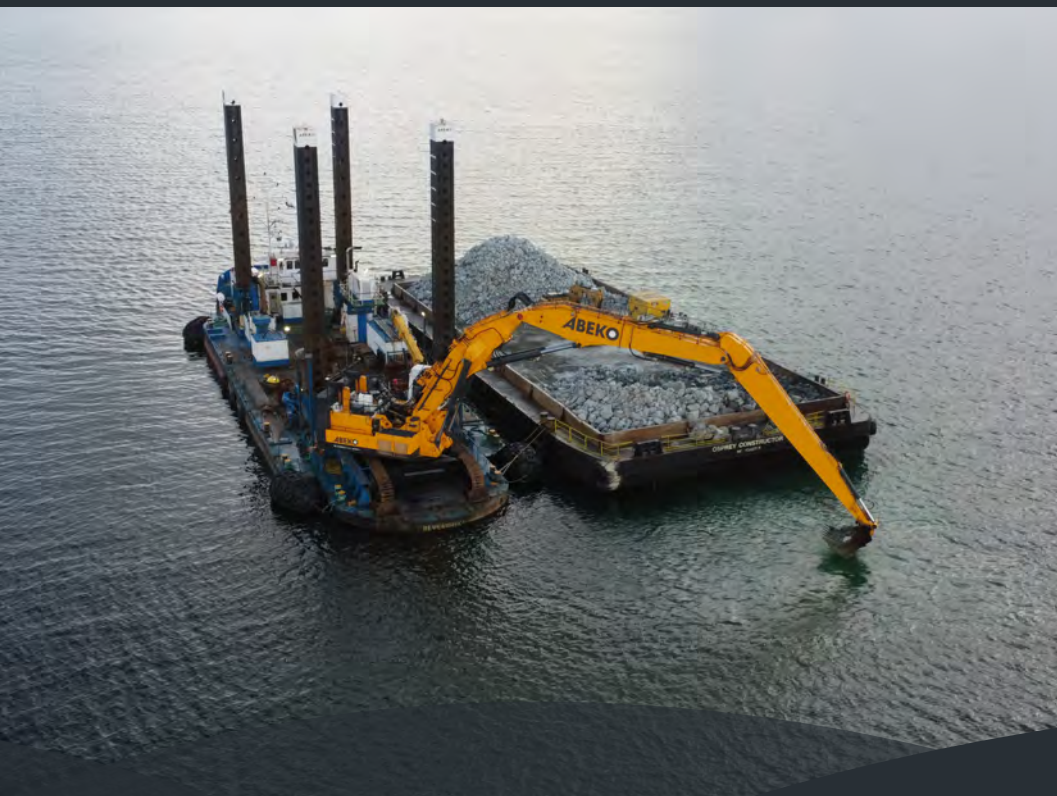
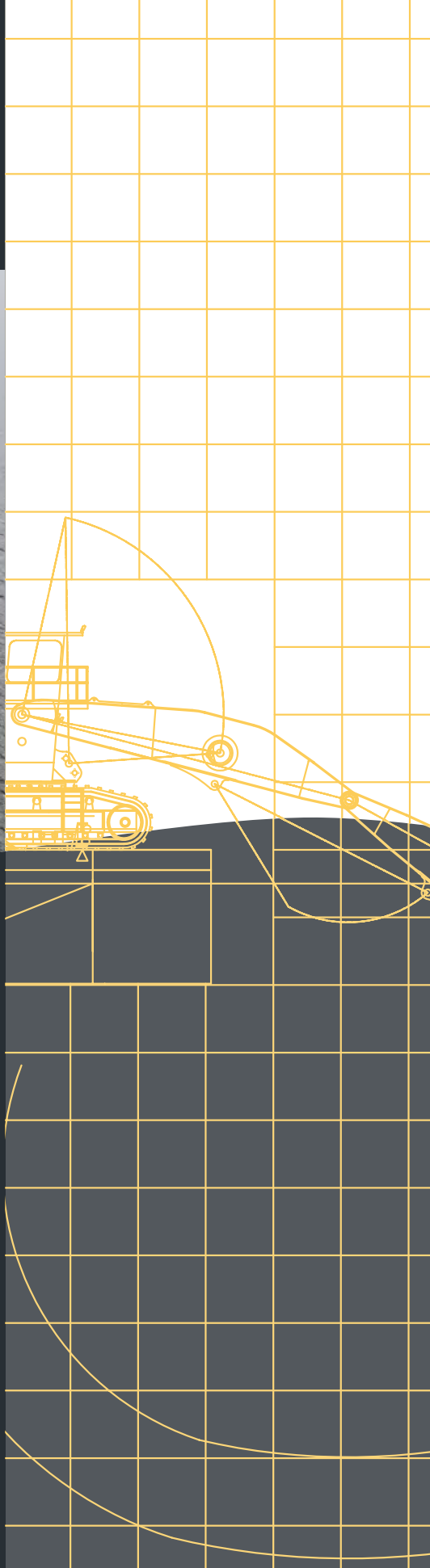


ABEKO[®] MARINE



ABEKO SERVER 1

BACKHOE DREDGER

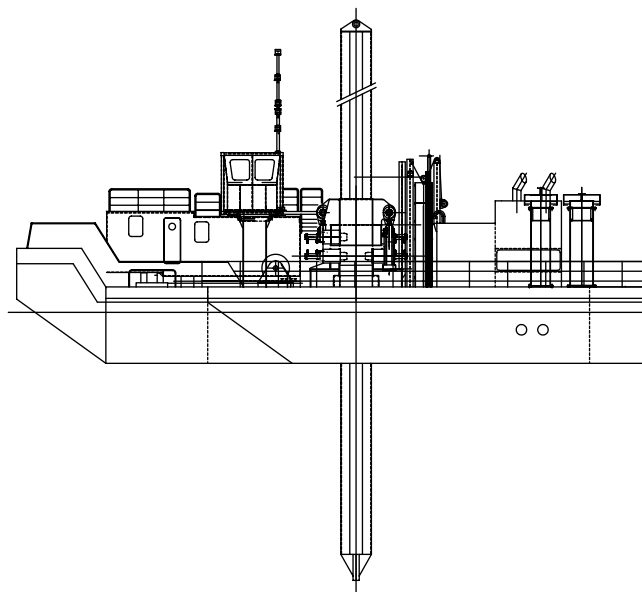




MAIN PARTICULARS

Type	: Dipper Dredger
Name	: Abeko Server 1
Port of Registration	: Beverwijk, the Netherlands
Builder	: Scheepswerf Hardinxveld BV
Year of Construction	: 1998
Class	: Bureau Veritas
	Pontoon, Deep Sea, Special Service / Dipperdredger
	Assisted Propulsion, Unrestricted
Main Dimensions	: Length o.a. = 55,15m
	Length b.p.p. = 53,08m
	Breadth mld = 11,40m, without side pontoons
	= 15,20m, with side pontoons
	= 16,20m, with side pontoons and tyres
	Depth = 4,00m
	Operational draught = 3,14m, including excavator
Deck load	: 10 t/m ²

Abeko Server 1 Diggingcurve
with Hitachi Terex O&K RH90 triple boom.

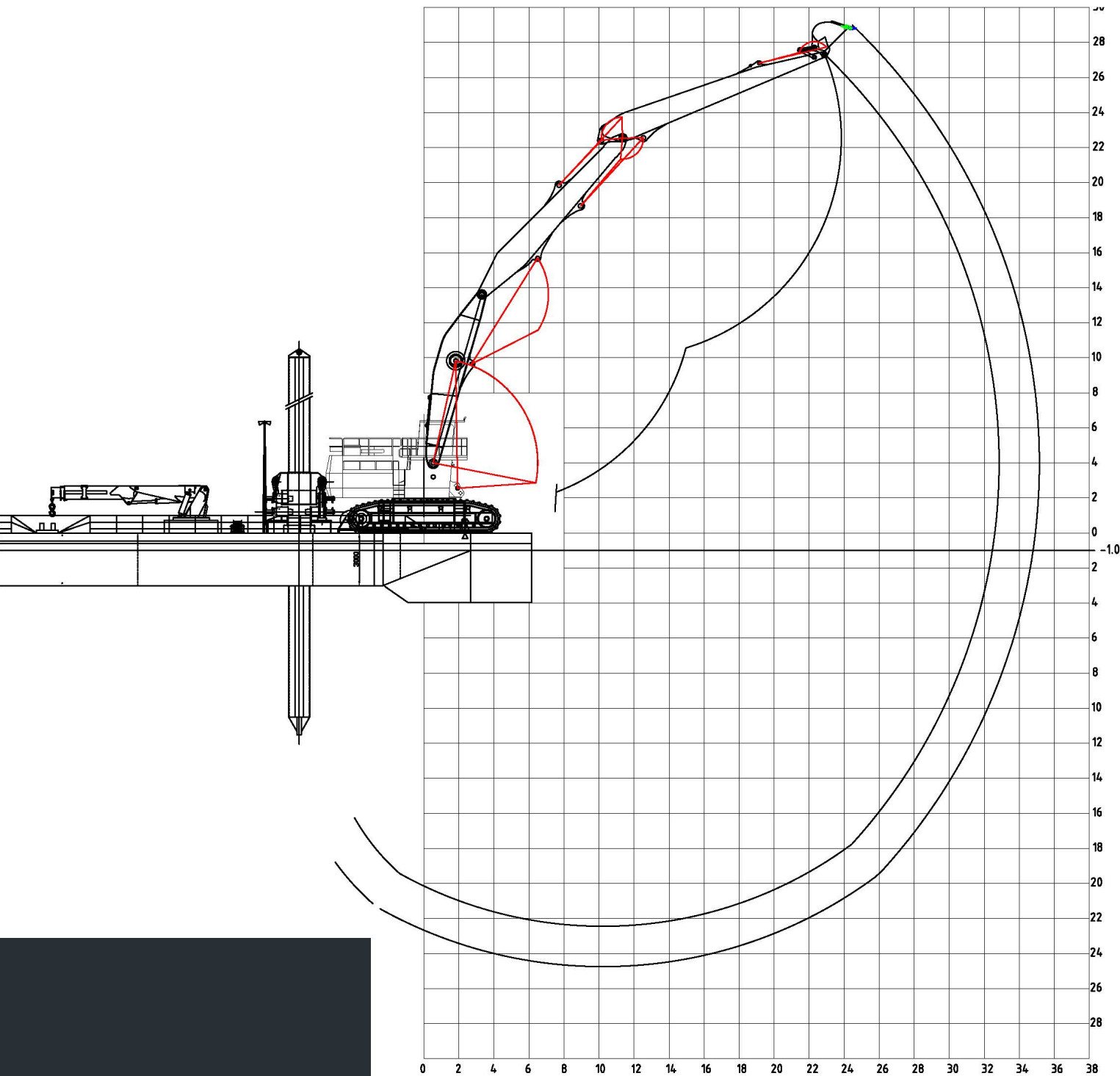


EQUIPMENT

Spuds	: 4 Stabilising spuds (30,0 x 1,2 x 1,2m), lifting capacity 500 ton/spud
Hydraulic Power	: 2 x 896kW = 1.790kW (2.400HP)
Auxiliary Generators	: 2 x 91kW (122HP), output 100kVA
Harbour Generator	: 1 x 53kW (72HP), output 30kVA
Propulsion	: 2 x SCHOTTEL PumpJet SPJ132, hydraulic driven for manoeuvring at site
Propulsion Power	: 2 x 555kW = 1.110kW (1.490HP)
Telescopic Crane	: Heila HMR 150/15-2S lifting capacity 15 ton, 15m outreach
Winches (option)	: 4 x 10 ton, hydraulic driven
Anchor winches (option)	: 2 Anchor winches with 2 ton anchors
Accommodation	: 6 Crew full accommodation
Wheelhouse	: All operations, radar, radio, survey equipment
Survey System	: PDS2000 Digital Excavator Monitoring System with Teledyne positioning
Store Room	: With access from deck (hatch: 2,5 x 5m)
Ramps (option)	: 2 Ramps to access the pontoon with an excavator

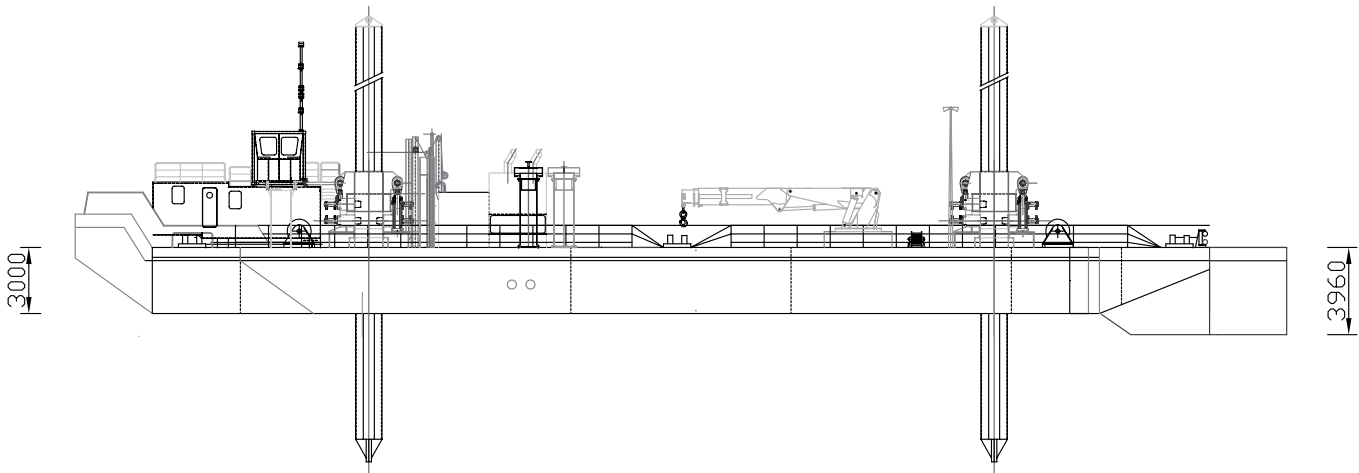
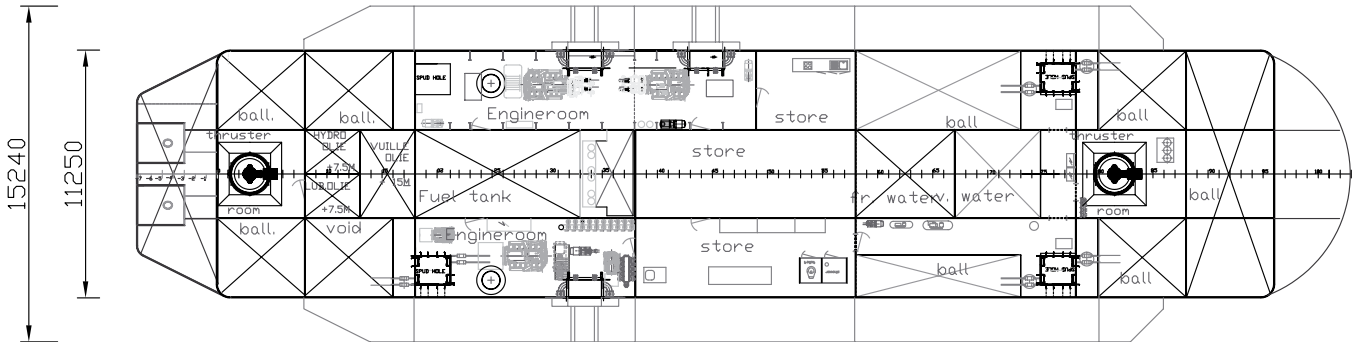
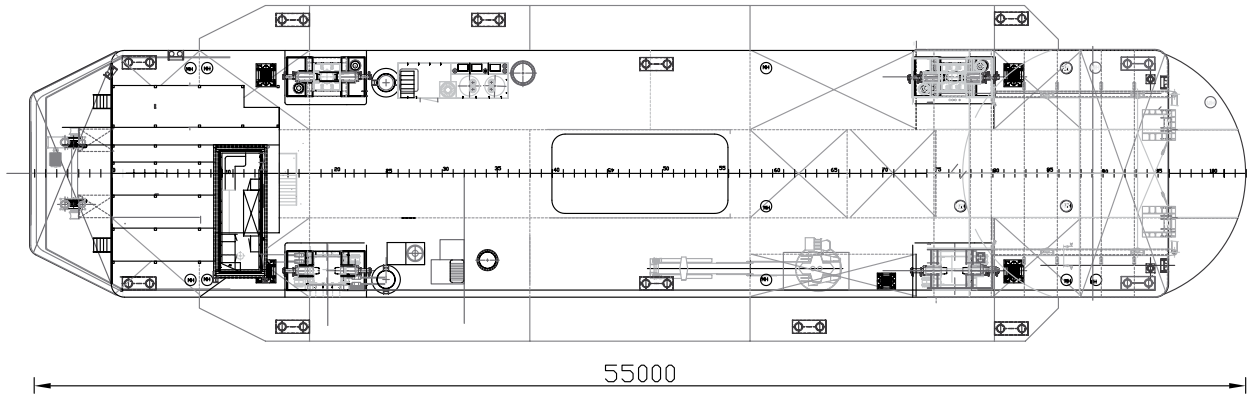
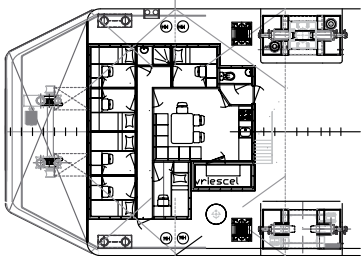
Thruster

Schottel SPJ132, 555kW



VOLUME CAPACITIES

Fuel	: 44.000L
Fresh water	: 52.000L
Dirty water	: 47.000L
Engine oil	: 7.500L
Hydr. Oil	: 7.500L
Dirty oil	: 15.000L



Overview (backside) jack-up spuds and Heila Rope crane

EXCAVATOR

Fabrication and Type	: Terex O&K RH 90-C
Building Year	: 2007, upgraded 2023
Weight	: 250 ton
Excavator engine power	: 760kW (1.020HP)
Maximum operating depth	: 24,5m
Bucket capacity HD	: upto 5m³
Bucket capacity Mud	: upto 8m³
Boom	: Abeko Triple boom
Stick/Arm	: Short = 8,5m / Long = 12,5m
Work tools	: Hydraulic breaker, buckets, clamshell grabs, grapple, grab, ripper
Specialties	: Track type excavator
	: Triple boom
	: Extended undercarriage
	: Upgraded cylinders
	: Safety valves on all hydraulic cylinders

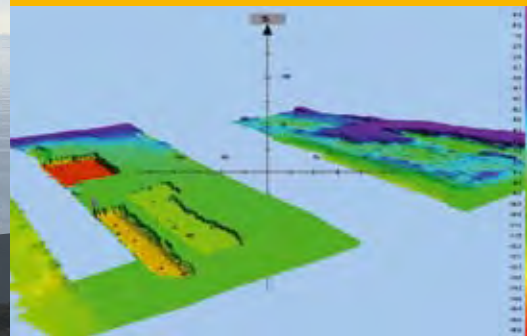


IMAGE OF THE PDS2000 SURVEY SYSTEM

SPECIAL FEATURES

- Jack speed 3,5 meters per minute
- Jack stroke 3,75 meters
- Jack up system
- Assisted propulsion 1490HP



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