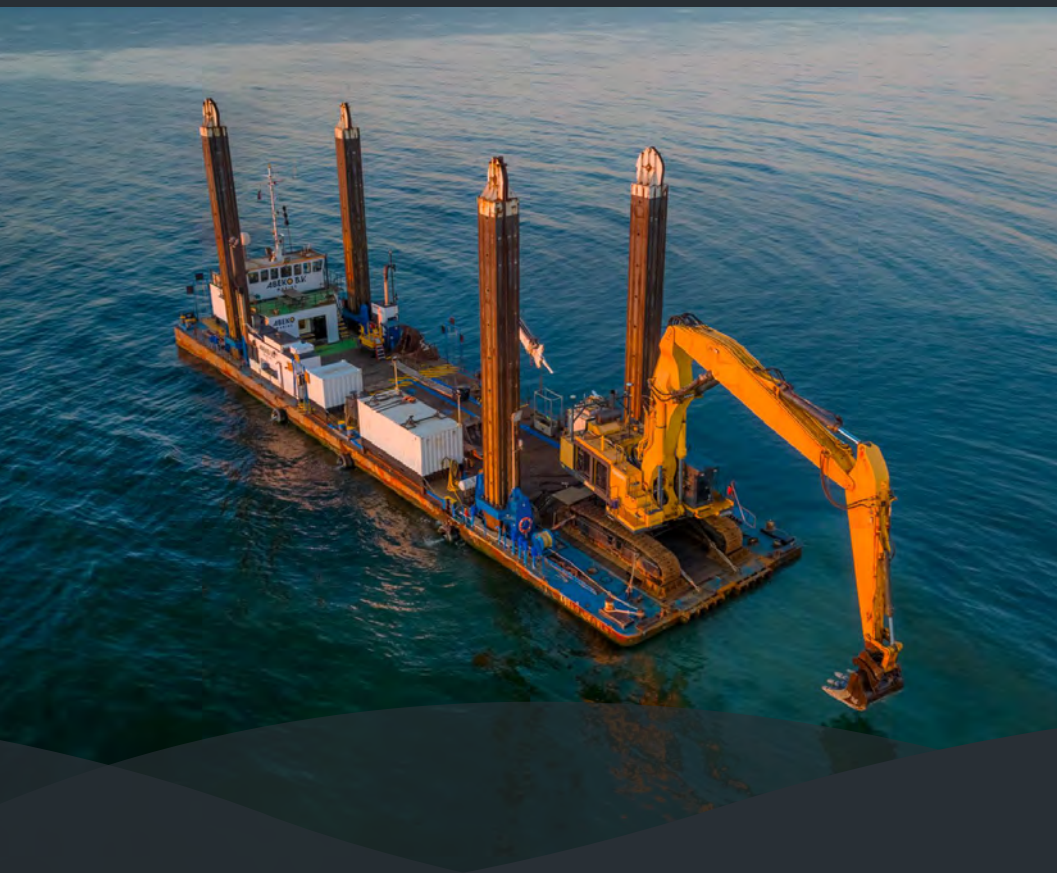
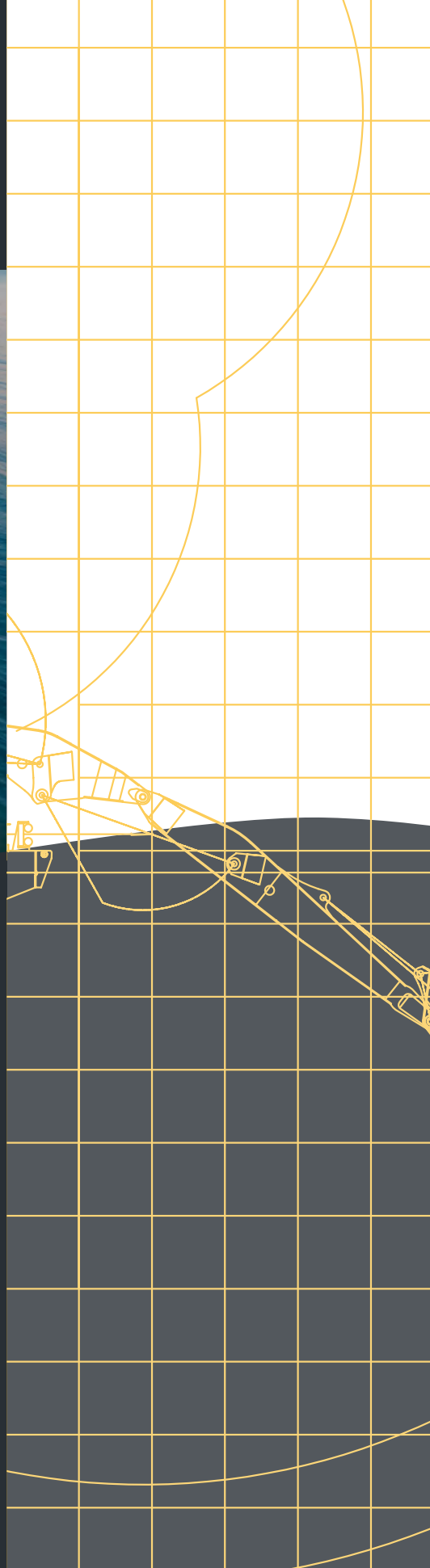


ABEKO MARINE



ABEKO SERVER 2

BACKHOE DREDGER

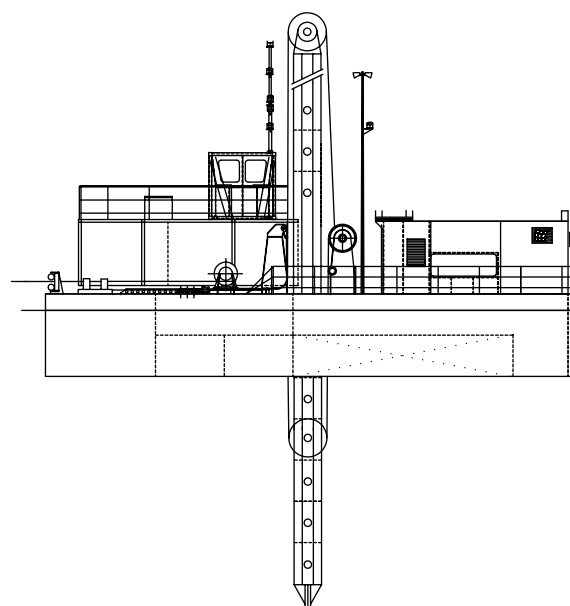




MAIN PARTICULARS

Type	: Dipper Dredger
Name	: Abeko Server 2
Port of Registration	: Beverwijk, the Netherlands
Builder	: Scheepswerf Hardinxveld BV
Year of Construction	: 1997
Class	: Bureau Veritas Pontoon, Deep Sea, Special Service / Dipperdredger Assisted Propulsion, Manned working 15Mile-5Bfr
Main Dimensions	: Length o.a. = 48,00m Length b.p.p. = 46,13m Breadth mld = 11,20m = 12,20m with tyres Depth = 3,00m Operational draught = 2,40m, including excavator
Deck load	: 10 t/m ²

Abeko Server 2 Diggingcurve
with Hitachi EX1200 triple boom.

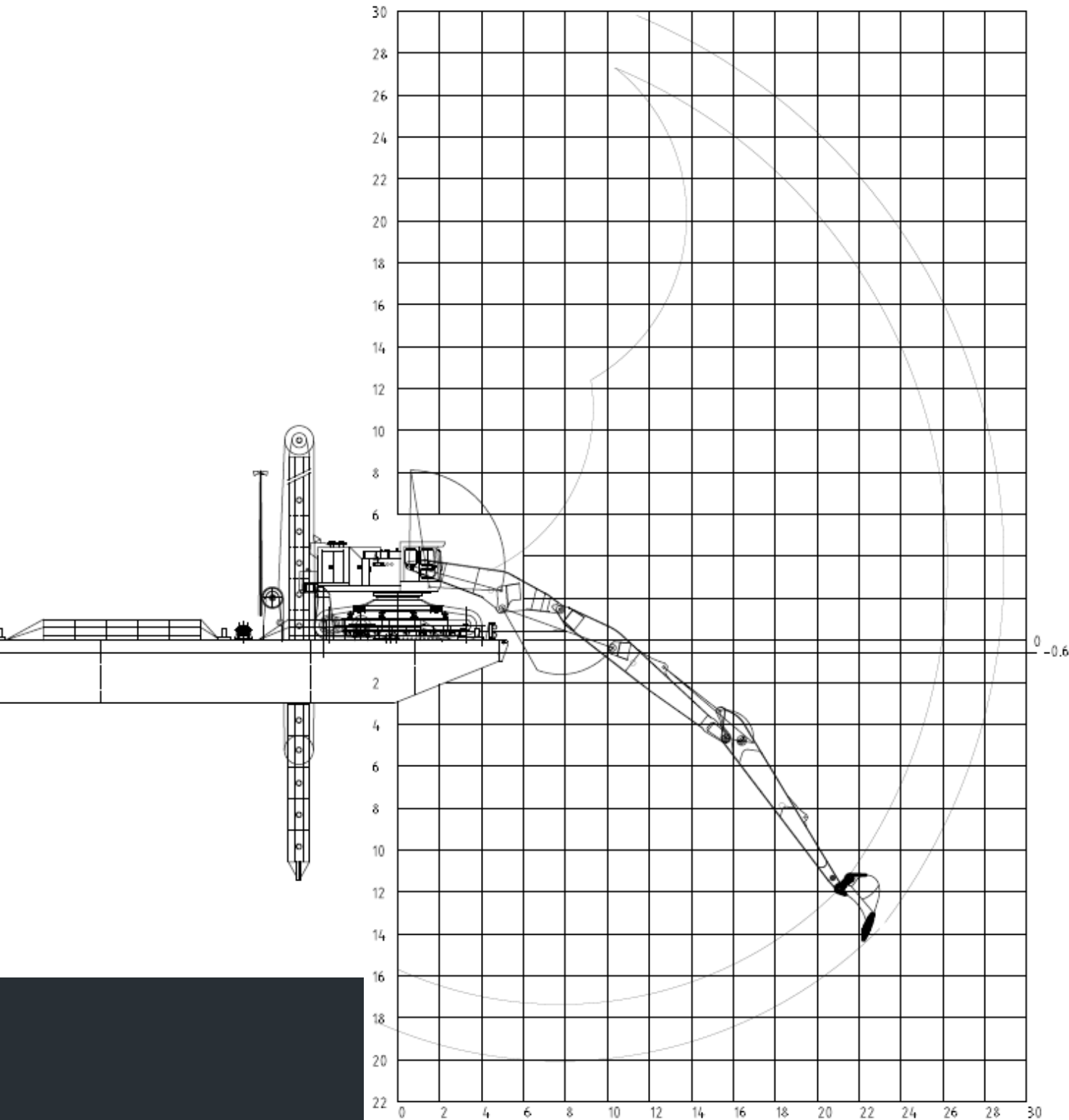


EQUIPMENT

Spuds	: 4 stabilising spuds (25,5 x 1,2 x 1,2m), Lifting capacity 40 ton/spud
Hydraulic Power	: 1 x 612kW + 1 x 373kW = 985kW (1.320HP)
Auxiliary Generators	: 2 x 91kW (122HP), output 100kVA
Harbour Generator	: 1 x 45kW (60HP), output 66kVA
Propulsion	: 2 x SCHOTTEL PumpJet SPJ82, hydraulic driven for manoeuvring at site
Propulsion Power	: 2 x 400kW = 800kW (1.072HP)
Winches (option)	: 4 x 10 ton hydraulic driven
Anchor (option)	: 1 Anchor winch with 1,8 ton anchor
Accommodation	: 4 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 5,0m)
Ramps (option)	: 2 Ramps to access the pontoon with an excavator

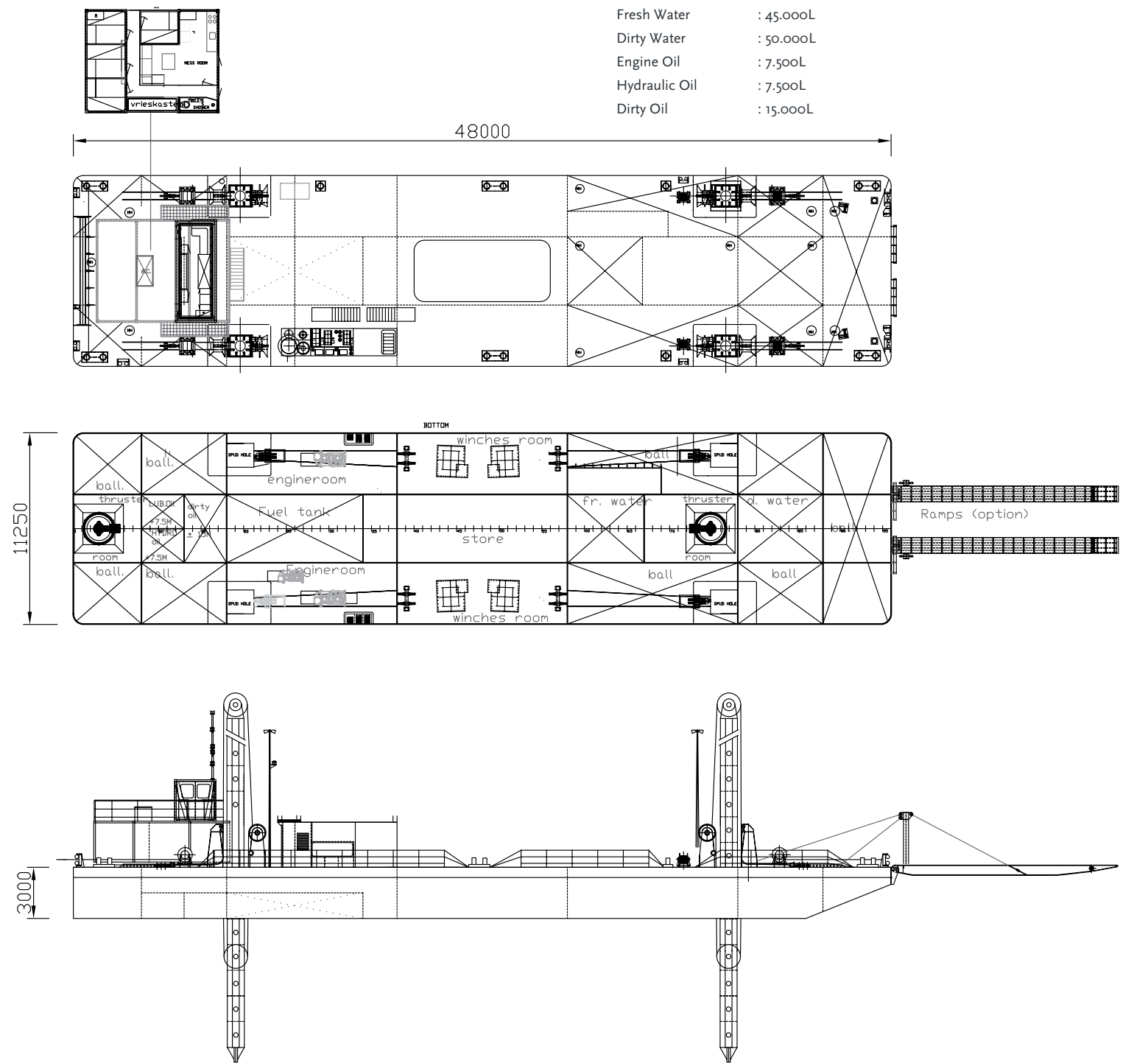
Thruster

Schottel SPJ82, 400kW



VOLUME CAPACITIES

Fuel	: 46.000L
Fresh Water	: 45.000L
Dirty Water	: 50.000L
Engine Oil	: 7.500L
Hydraulic Oil	: 7.500L
Dirty Oil	: 15.000L



EXCAVATOR

Fabrication and Type	: Hitachi EX1200-5
Building Year	: 2008
Weight	: 170 ton
Excavator engine power	: 567kW (760HP)
Maximum dredging depth	: 18,0m
Bucket capacity HD	: upto 4m³
Bucket capacity Mud	: upto 6m³
Boom	: Abeko Triple boom
Stick/Arm	: Short = 5,5m / Long = 8,5m
Work tools	: Hydraulic breaker, buckets, clamshell grabs, grapple, ripper
Specialties	: Track type excavator
	Triple boom
	Extended undercarriage
	Upgraded cylinders
	Safety valves on all hydraulic cylinders

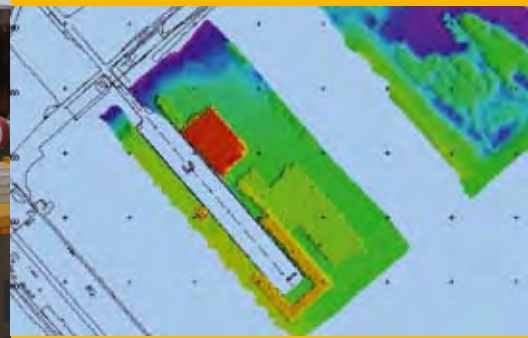


IMAGE OF THE PDS2000 SURVEY SYSTEM



Abeko Server 2, Dredging in Copenhagen (Denmark)

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