

BASSOE TECHNOLOGY



BASSDRILL ALPHA

BT-MTB





BASSDRILL ALPHA BT-MTB – MEDIUM-SIZED TENDER BARGE

The BassDrill Alpha is a Bassoe Technology designed Medium-sized Tender Barge (MTB). The BassDrill Alpha was built and delivered from Lamprell Plc., UAE, in 2010 and is operating offshore Congo by Atlantica Tender Drilling.

GENERAL	
Class	✠A1 Barge
Flag	Panama
Rules and regulations	IMO MODU Code, IMO SOLAS, IMO MARPOL, IMO Load Line
Operational areas	South East Asia, West of Africa
POB	112 people (2 man cabins)
Heli deck	Sikorsky S-61N and S-92, CAP 437

DESIGN CRITERIA	
Water depth, self-contained mooring	200 m
Maximum drilling depth	5,200 m

MAIN DIMENSIONS	
Length over all	abt. 99.0 m
Beam over all	abt. 31.3 m
Length between p.p.	83.7 m
Beam moulded	22.7 m
Depth moulded	7.6 m

STORAGE CAPACITIES		
Liquids		
Mud pits	580 m ³	3,650 bbls
Base oil	170 m ³	1,050 bbls
Brine	155 m ³	1,000 bbls
Drill water	1,130 m ³	7,100 bbls
Fuel oil	420 m ³	2,650 bbls
Potable water	270 m ³	1,700 bbls
Bulk		
Total bulk storage	225 m ³	8,000 cu ft
Sack storage	3,400 sacks	

PAYLOAD CAPACITY	
Draught	4.5 m
Payload	3,820 tonnes

MAJOR EQUIPMENT	
Tender Drilling Unit	
Power generation	4 x 1,900 kW _e
Mooring system	8 x 64 mm wires
Mud pumps	3 x 1,300 Hp @ 5,000 psi
Main crane	25 tonnes @ 30 m, max radius 45 m
Auxiliary crane	5 tonnes @ 20 m, max radius 25 m
Mast Equipment Package	
Dry weight	580 tonnes for SE Asia 690 tonnes for West Africa
Max operating weight	Dry weight +630 tonnes of live load
Skidding system	Lift & Roll Systems, X/Y skidding
Drilling mast	700 kips static hook-load, 142 ft clear working height, self-erecting bootstrap type
Setback	450 kips
Pipe handling	Mechanized casing stabbing of range 2 and 3 tubulars
Pipe transfer	Hi-line system
Top drive	500 sh tons hook-load x 800 Hp
Drawworks	1,500 Hp
Rotary table	37½" diameter
BOP stack	13 ^{5/8} " BOP, 3 rams @ 5,000 psi, one annular @ 5,000 psi
Mud treatment	3 shale shakers, degasser, desander, desilter +Room for 3rd party cuttings drier system

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Bassoe Technology is an independent designer of advanced mobile offshore units. Since 2013 owned by CIMC Offshore, with the largest semi-submersible drilling rig manufacturing center in China – Yantai CIMC Raffles Shipyard.

