



DATA SHEET

FU YONG 6

OVERVIEW

Fu Yong 6 is a multi-purpose cable lay barge equipped with a 5,500t capacity cable carousel system with high capacity caterpillar track tensioners and a 6-point mooring system. The barge is an ex-transportation pontoon and has been purposely modified by SBSS in 2020 to deliver power cable installation and maintenance works. The barge is designed with grounding capability. SBSS will target the shallow water (up to 100 metres) high-voltage export cable installation market, where such facilities are currently in high demand in the Chinese offshore wind parks. Fu Yong 6 is also capable of carrying out shallow water Pre Lay Shore End operations in the telecommunications sector.

Fu Yong 6 is equipped with Longli jetting sledge powered by high capacity submersible pumps. In the delivery configuration the Longli sledge will achieve a burial depth of 3.3 metres.

CONSTRUCTION CLASSIFICATION

Classification	ZC-Cable Lay Barge
Year of conversion	October, 2020
Conversion yard	Zhoushan Huafeng Shipyard
Flag	Zhoushan, China
Ship identification number	CN20140635613

MAIN DATA

Length overall	95.14m
Length between p.p	85.84m
Breadth moulded	30.48m
Depth moulded	5.50m
Draft max	3.70m
Gross tonnage	4,467t
Deck load capacity	15t/m ²

Fuel oil capacity	199.54m ³
Fuel consumption in transit	0.60t
Endurance	35 days

CABLE TANKS

Turntable capacity	5,500t
Outer diameter	26m
Inner diameter	5m (adjustable)
Maximum load per cable tank	5,500t
Cable speed range	Max 20m/min
Cable tensioners	10t; speed≤20m/min
Transporter	3t; speed≤20m/min

ACCOMMODATION

Maximum POB	48
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CONTROL & NAVIGATION SYSTEM (INCL MOORING SYSTEM)

Echo sounders 1 x DS-2008, operations range 0.30m - 800m

POWER GENERATION

Auxiliary engines 3 x SDEC POWER SC38W770.10CF1 - 567/1000 kw/r/min

Harbour generator 1 x SDEC POWER SC7H230CF2 154/1500 kw/r/min

DECK MACHINERY

Towing winch 1 x 250 kN ; speed 10m/min

Hoisting winch 1 x 200 kN ; speed 10m/min

Electric winch 4 x 30 kN ; speed 8 m/min

LSA EQUIPMENT

Life saving total capacity 50

Liferafts 4

Liferaft capacities 4x 25

CRANEAGE AND A-FRAME

1 x deck crane 5t @ 12m

1 x 40t SWL A-frame

COMMUNICATION EQUIPMENT

NO.1 VHF 1 x FT805

NO.2 VHF 1 x FT805

MF/HF 1 x SRG-3150DN

Radio for Liferafts 3 x CY-VH01

Navtex 1 x HX2600

Radar Transponder 2 x CY-SART

EPIRB 1 x VEP8

MANOEUVRING SYSTEMS

Electric windlass 6 x 350 kN speed 9m/min

LONGLI SLEDGE

Length 8.50m

Width 5.26m

Height 3.35m

Weight in air 23t

Designed max depth of burial 3.30m

Max product diameter 330mm

Operating water depth 3-100m

Submersible pumps 2 x U-flo VPN550-5, stainless steel shell, 450m³/h demand capacity, 135m demand head 250kW rated power

