



CS Fu Hai



Fu Hai has been specifically designed to meet the increasing requirements for positioning and burial capability in the submarine cable installation market. She is able to carry up to 5700 tonnes of cable, has a bollard pull of up to 110 tonnes, and is capable of deploying the latest generation of sub-sea ploughs.

Owned and operated by SBSS and based in Shanghai, China, since her delivery in November 2000, Fu Hai has carried out extensive lay and burial work on APCN2, CHINA-US, C2C, and SMW4 cable systems amongst many others of the regions major telecoms projects.

Fu Hai can also be utilized to carry out power cable installations and has a track record of supporting a variety of marine activities in the offshore Oil & Gas market.

Classification: DNV GL

Registered: Panama Flag: Panama

Principle Dimensions and Performance	
Length overall	105.8m
Breadth	20.0m
Draft fully loaded	9.1m
Gross tonnage	6,303 tonnes
Net tonnage	1,891 tonnes
Maximum bollard pull	110 tonnes
Service Speed and Fuel Consumption	14knots @ 20-27 tonnes / day
Endurance	45 days
Capacity of Main Cable Tanks	2,736 cu meters
Overall Cable Load Capacity	5,700 tonnes

Vessel Machinery and Equipment		
DP System	Class	DYNPOS-AUTR (DP-II)
	Control system	Kongsberg K-Pos
		Kongsberg C-Joy
	Position reference system	Javad Veripos x 2 (DGPS)
		Setex DPS102
		HipAP
		Fanbeam MKL MK4.2
		Taut Wire LTW MK-12
	Sensors	Gyro Sperry MK37 x 3
		Anemometer x 2
		MRU (MRU-5 x1 , MRU-2 x2)

Main Propulsion	Two MAN/B&W total power 7,680 KW direct driven CPP	
Thrusters	Bow – 1 x 1,000 KW retractable azimuth, 1 x 1,200KW tunnel thruster	
	Stem - 2 x 1,200KW tunnel thrusters	
Electrical power	Two 3000 kW shaft generators	
	Two 760 kW auxiliary generators	
	One 170 kW emergency generator	
Deck equipment	One 60 tonnes SWL A- frame	
	One 60 tonnes tow winch	
	Three knuckle bow cranes	Fwd – 2.5 tonnes/20m
		Midships – 2.5 tonnes/20m
		Aft – 2.0 tonnes/22m

Cable Equipment and Machinery	
Repeater Stowage	1 off x 84 repeaters
Jointing & Testing	Air conditioned, fully serviced and equipped space for UJ and proprietary jointing. Air conditioned, fully serviced and monitored space to accommodate system specific transmission testing equipment. Fitted with termination, power feed, DC and OTDR equipment.
Cable Handling Machinery	1 x 20 tonnes linear cable engine (20 wheel pair)
	1 x 25 tonnes 4m cable drum engine
	4 pair draw off / hold back cable engine (DOHB)
	2 off 2 pair electrically driven transporters

Others	
Helideck	Helideck suitable and classed for all helicopter types
Accommodation	Fully finished and classed for a maximum of 68 persons
	Officer and crew compliment during installation operations is nominally 51 persons
Navigational aids	Radar (3cm), Radar (10cm)
	2 x GPS, 3 x gyro Compasses
	VHF Direction Finder, Navtex, Weather Fax
Communications	V-Sat +2 FBB
	GMDSS A1, A2, A3, Satcom C
	MF/HF, Portable VHF, VHF aircraft Radio
Call sign	3EGX3
IMO number	9207065