



DATA SHEET

cs FU TAI

OVERVIEW

cs **Fu Tai** is a DP-2 cable ship that is now working in the Asian submarine cable installation and cable maintenance markets. Originally built in Spain in 2007 as an offshore construction vessel, SBSS purchased cs **Fu Tai** in 2021 and converted her to a bespoke vessel.

The vessel has a cable carrying capacity of 3,000 tonnes in two main cable tanks. She has a wide beam, a shallow operating draft and is fuel efficient being powered by 4 x 2,700kW high quality Wartsila units. She is equipped with capable cable machinery and a full UJ/UQJ jointing spread.

cs **Fu Tai** is equipped with a high powered Q1000 trenching ROV and a 70t active heave-compensated (AHC) crane providing her the ability to perform a variety of offshore construction works.

CONSTRUCTION CLASSIFICATION

Classification	DNV 1A1 Clean COMF(V-3) DK(+) DYNPOS(AUTR) E0 HELDK	Depth moulded	7.70m
Year of build	2007	Max draft	5.50m
Year of conversion	2021	Gross tonnage	10,235t
Flag	Panama	Deck load capacity	10t/m ² overall
IMO number	9382217	Fuel oil capacity	1,200m ³
Call sign	3E3927	Fresh water capacity	1,000m ³
MAIN DATA		Max speed	14.20 knots
Length overall	118.60m	Service speed	12.00 knots
LOA with helideck and whiskers	131.20m	Helideck	D 20.88m - Suitable for Sikorsky S-92 (12.8T)
Length between p.p	106.20m	Fuel consumption in DP mode	12-15t/day
Breadth moulded	27.00m	Fuel consumption at service speed	22t/day
		Endurance	45 days

CABLE TANKS

Main cable tanks (Qty)	2
Diameter of the cable tanks	18.00m
Maximum load per cable tank	1,500t

CABLE WORKING MACHINERY

Drum engine (CDE)	1 x 30t 4m drum engine
Draw off hold back (DOHB)	1 x 3.5t 4 wheel pair DOHB
Linear cable engine (LCE)	1 x 20t 20 wheel pair LCE

PROPULSION SYSTEM

Main engine	Wartsila, Diesel Electric 4 x 2,700 kW
Propulsion	Kongsberg (Rolls Royce) 2 x azipull thrusters each 3,500 kW
Harbour generator	Mitsubishi, 600 kW

MANOEUVRING SYSTEMS

Bow tunnel thrusters	1 x Kongsberg (Rolls Royce) CPP at 1,000kW
	2 x Kongsberg (Rolls Royce) FPP each 1,000kW

ACCOMMODATION

Maximum POB	120
Messroom	78 seats
Conference Room	12 seats



cs Fu Tai Seatrial in Zhoushan, China

CABLE ENGINEERING EQUIPMENT

Fu Tai is outfitted with a full suite of calibrated, state-of-the-art, cable engineering test equipment enabling the offshore team to conduct both optical and electrical continuity testing.

JOINTING EQUIPMENT

2 sets of UJ/UQJ equipment

1 set of PGU equipment

LSA EQUIPMENT

Lifeboat	2 x 70 persons
Liferafts	2 x 25 persons
Rescue boat	1

CONTROL & NAVIGATION SYSTEM (INCL DP)

Radars	Furuno FAR 2217 / LB87862
Gyro's	2 x Sperry NAVIGAT 2100 and 1 x Teledyne 10033
ECDIS	2 x Wartsila NS4000
DP system	Kongsberg K Pos 21 DP-2
HiPAP/PRz system	2 x Kongsberg HiPAP 500

COMMUNICATION EQUIPMENT

Inmarsat VSAT

Fleet broadband system

RT 5022 VHF – radio telephone with DSC

RT 2048 VHF basic radio telephone

2 x Satellite operating EPIRB

1 x Navtex receiver

3 x Tron GMDSS Portable VHF

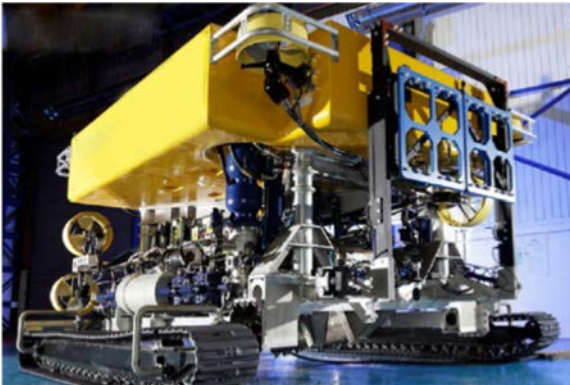
DECK EQUIPMENT

70t AHC subsea crane 70t@21m, 25t@32m

Q1000 TRENCHER

The Q1000 ROV has an installed power of 1,000hp and provides high power trenching capability for the deep burial of cables, umbilical and small diameter pipes. Up to 3m burial can be achieved in a single burial pass.

Length	5.5m tracked 5.0m with skids
Weight in air	24t tracks / 22t skids
Total power	1,000hp provided by 2 electric motors
Jetting power	2 x 350kW hydraulically driven
Max water flow	1,250m ³ /hour
Max product diameter	0.50m
Soil type	Sand: Fine to coarse, loose to very dense Clay: 10-125kPa
Pipe & Cable tracking systems	TSS 440 and TSS 350
Twin jetting swords	3m
2 x Schilling Orion 7R manipulators	



GENERAL ARRANGEMENT

