SBSS

DATA SHEET

cs FU TAI (Preliminary Specification)

OVERVIEW

cs **Fu Tai** is a DP-2 cable ship currently being converted to a bespoke telecom vessel that will work 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.

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 (Before conversion)	DNV +A1,DYNPOS-AUTR,E0,DK(+), CLEAN,COMF-V(3),NAUT-OSV,HELDK
Year of build	2007
Year of conversion	2021
Flag	Panama
IMO number	9382217
Call sign	3E3927

MAIN DATA

Length overall (tbc)	122.50m
Length between p.p	106.20m
Breadth moulded	27.00m
Depth moulded	7.70m
Summer draft	5.00m
Gross tonnage (tbc)	8,575t
Deck load capacity	10t/m² overall
Fuel oil capacity	1,200m³
Fresh water capacity	1,000m³
Max speed	14.20 knots
Service speed	12.00 knots
Helideck	D 20.88m - Suitable for Sikorsky S-92 (12.8T)
Fuel consumption in DP mode	12-15t/day
Fuel consumption in transit (tbc)	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 (DE)	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

Drum Engine and DOHB during dynamic testing

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

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	Furuno 2026TC317 / 2138BA0017
DP system	Kongsberg K Pos 21 DP-2
HiPAP/PRz system	2 x Kongsberg HiPAP 500

CABLE ENGINEERING EQUIPMENT

2 x PFE

3 x Tinsley DC tester

2 x PEFL

2 x Tone Detector

2 x OTDR

JOINTING EQUIPMENT

2 sets of UJ/UQJ equipment

1 set of PGU equipment

COMMUNICATION EQUIPMENT

Inmarsat VSAT

FBB Broadband System

RT 5022 VHF – radio telephone with DSC

RT 2048 VHF basic radio telephone

2 x Satellite operating EPIRB

1 x Navtex receiver

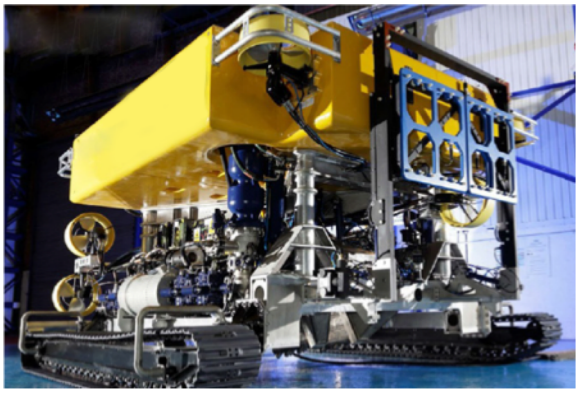
3 x Tron GMDSS Portable VHF

DECK EQUIPMENT

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

Q1000 TRENCHER

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	1,250m³/hour
Max product diameter	0.50m
Soil type	Sand: Fine to coarse, loose to very dense Clay: 10-125kPa
Cable tracking systems	TSS 440 and TSS 350
Twin jetting swords	3m



GENERAL ARRANGEMENT