



CS Fu An



CS Fu An has been converted to a cable lay and multi-purpose offshore vessel. The vessel has been designed and constructed to a high standard and has the ability to perform a variety of offshore and subsea operations, specializing in telecoms cable repair and maintenance tasks.

Strategically based at SBSS's marine depot in Shanghai, China, Fu An is well placed to support the region's cable maintenance requirements and with her excellent station-keeping capability and high-powered three metre trenching ROV onboard, she has been a successful supplier to the Yokohama Zone maintenance agreement, carrying out extensive cable lay and repair work.

The Vessel also has the ability to perform multi-purpose roles, including ROV support and offshore construction projects.

**Classification: DP1**

**Registered: Panama    Flag: Panama**

<b>Principle Dimensions and Performance</b>	
Length Overall	141.5m
Breadth	19.4m
Designed Draft	6.114m
Gross Tonnage	10,105 tonnes
Net Tonnage	3,031 tonnes
IMO Number	8027808
Economic Speed	10 knots
Max Speed	13 knots
Fuel Consumption	Economic: 16 tonnes/day Maximum speed: 26 tonnes/day
Endurance	38 days
Capacity of Main Cable Tanks	1200 cu meters
Overall Cable Load Capacity	2660 tonnes

<b>Vessel Machinery and Equipment</b>		
DP System	Class	DP-I
	Control system	Converteam (Alstom)
		Joystick (Alstom PJS900)
	Position reference system	DGPS x2
		Taut wire TW901
		HiPap x1
	Sensors	Gyro (Sperry SR180) x2
Anemometer x 2		
VRU x2 (TSS RP25)		
Main Engine	1 x MAK Type 12 M 453 - 600 rpm 3600kW	
Thrusters	2 x Aft Aquamaster Azimuth type US 1401 each - 1100kW	
	1 x Brunvoll type FU-80 1350kW 1 x Brunvoll type SPR-VP 882kW 1 x Brunvoll type SPX-VP 588kW	
Main Aux. Generator	3 x Wartsila Type 9L20 C diesel engines 1530kW @750 rpm – Each	
Auxiliary Service	3 x Catepillar 3516 TA/SR4 Rating 816 kW @ 1800rpm - Each	
Deck Equipment	A Frame: SMD 35 tonnes SWL (limited to sea state 5) 1 x Deck Crane Aft Stbd. Hydralift MCV2T 1610-(2-5)-(19-10) (10) SWL 2T @ 19m Radius / SWL 5T @10m Radius 1 x Deck Crane Amidships port, Hydralift MCV2T 1610-(2-5)-(22-10) (10) SWL 2T @22m Radius / SWL 5T @10m Radius 1 x Stores Crane Fwd. stbd. Hydralift model: MCV886-2-10 2 x Deck Tugger Winches 2x 3m stern sheaves with conforming 3m stern whiskers	

<b>Cable Equipment and Machinery</b>	
Cable Handling Machinery	2 x Dowty AC electric 40 tonnes SWL 4m diameter cable drum with hydraulic cable diverter

<b>Other</b>	
Accommodation	Fully furnished and classed for a maximum of 65 persons
Communications	<p>JRC NCH-44 Marine VHF R/T Controller  2 x JRC JHS-32A Marine VHF R/T  JRC NCH-321 Distress Message Controller  JRC NCH 852 Controller with JRC NDF -802 A Keyboard  JRC NKG-800 with JRC NQE-3030 connection box.  JRC NKG-800 with JRC JUE-75C Inmarsat -C  1 V-sat + 1 FBB  JRC JQE – 3A Epirb  2 x JRC JQX-30A Sarts  Thrane &amp; Thrane Sat M Telephone  JRC NCR-300A Navtex Receiver  3 x JRC JHS-7 Two way VHF R/T Lifeboat Radios</p>