



SUBCOM GLOBAL SENTINEL

VESSEL SPECIFICATIONS

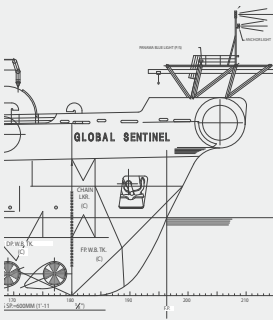
The SubCom Global Sentinel is a specifically designed and constructed vessel for cable maintenance and construction. Built in 1991 she has more than 20 years of cable operations experience.

At 145.66 m in length and with a service speed of 15 knots, a storage capacity of 144 repeaters and 3,500 m³ of cable, she is ideally suited for deep sea installation and repair. The vessel is permanently fitted with both a cable burial seaplow and cable maintenance ROV and with VSAT communications broadband connectivity on board she is capable of cable installation and maintenance for extended periods.

Official Number: 973792

IMO Number: 8900866

Call Sign: KGSU



General Specifications

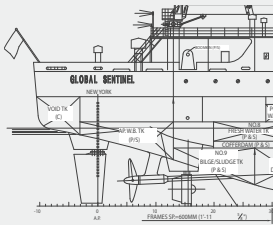
• FLAG	United States of America
• YEAR BUILT	1991 by Keppel, Singapore
• RANGE	10,000 nautical miles or 60 days
• ACCOMMODATIONS	138 personnel (crew and passengers)
• SERVICE SPEED	15 knots
• LENGTH OVERALL	477.89 ft (145.66 m)
• MOLDED BEAM	70.87 ft (21.6 m)
• SUMMER DRAFT	26.51 ft (8.08 m)
• DISPLACEMENT	16,118 LT (16,375 MT)
• GROSS REGISTERED TONNAGE	13,201 MT
• DEADWEIGHT	7,770 LT (7,900 MT)
• CLASSIFICATIONS (ABS)	+A 1 (E), +AMS, +ACCU, DPS-1

Vehicle Support

• ROV	Perry Slingsby Systems ST-217, rated to 2500 m depth
• SEA PLOW	Various utilizing a 65 ton Norson traction tow winch Currently Installed: SMD Arado

Capacities

• CABLE TANKS, MAIN	3 tanks: 38,400 ft ³ total (3 × 1,086 m ³)
• CABLE TANKS, AUXILIARY	4 tanks: 1,450 ft ³ total (4 × 41 m ³)
• CABLE DEADWEIGHT	6,000 LT (6,098 MT)
• FRESH WATER	432 LT (439 MT)
• FUEL OIL	1,878 LT (1,908 MT)
• WATER BALLAST	3,665 LT (3,724 MT)

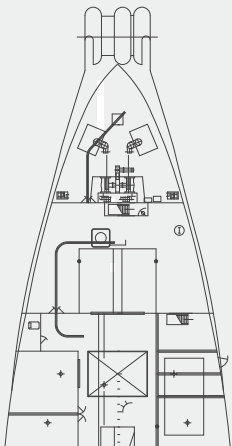


Propulsion & Maneuvering Equipment

• TYPE	Diesel Electric
• MAIN ENGINES	3 ea: Wartsila VASA 12V32D 5,950 BHP
• PROPULSION MOTORS	2 ea: General Electric 4,700 BHP, geared to one centerline shaft
• PROPELLER	1 ea: 4.5 m dia, fixed pitch @ 3.824 m, 4 blade, left turning
• BOW THRUSTERS	2 ea: 1970 BHP tunnel, Controllable Pitch Propellers
• STERN THRUSTERS	2 ea: Independent × 1750 BHP, shrouded, 360° azimuthing, Fixed Pitch, 5 blade, right turning
• STEERING GEAR	1 × Electro-hydraulic Rotary Vane
• DYNAMIC POSITIONING	Simrad SDP21 Dual Configuration
• ANCHORS	Port 10 Shots Starboard 11 Shots

Cable Handling Equipment

• AMPLIFIER STORAGE	Storage for 144 bodies in climate controlled environment
• STERN LINEAR CABLE ENGINE	1 × Dowty, 21 wheel pairs, electro-hydraulic
• BOW DRUM CABLE ENGINE	2 × Dowty, 12 ft (3.7 m) dia. 3.5 ft (1.1 m) drum width with fleeting ring and knives
• DYNAMOMETERS	3 × WAMAC roller type
• DRAW OFF/HOLD BACK	2 × Caley tracked type
• BOW SHEAVES	2 × 10 ft (3 m) dia.
• STERN CABLE FAIRLEAD	1 × trough/chute type
• A-FRAME	35 ton SMD
• DECK CRANES	2 × 10 ton, 65 ft (20 m) outreach forward, 2 × 5 ton, 45 ft (13.7 m) outreach aft



Data provided for comparison purposes only. Complete system specifications available on request.