



SUBCOM RESPONDER

VESSEL SPECIFICATIONS

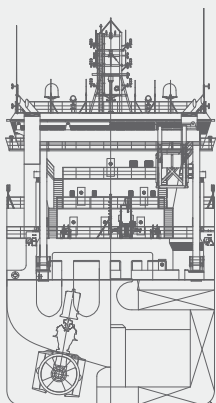
The SubCom Responder is a specifically designed and constructed vessel for cable maintenance and construction making her one of the most versatile cable ships in the industry.

At 140m in length and with DP2 capability, she can undertake sustained cable operations in harsh weather conditions. The vessel is permanently fitted with both a cable burial seaplow and cable maintenance ROV and with VSAT communications broadband connectivity available to all on board she provides an excellent platform for trenching, mattressing and salvage operations.

Official Number: 1582

IMO Number: 9236509

Call Sign: V7CY9



General Specifications

• FLAG	Marshall Islands
• YEAR BUILT	2001, by Keppel Hitachi Zosen (Hull 029)
• RANGE	25,000 nautical miles or 60 days
• ACCOMMODATIONS	80 personnel (crew and passengers)
• SERVICE SPEED	13.9 knots
• LENGTH OVERALL	139.1 m (456 ft)
• MOLDED BEAM	21.0 m (69 ft)
• SUMMER DRAFT	8.4 m (26.88 ft)
• DISPLACEMENT	16,148 MT
• GROSS REGISTERED TONNAGE	12,184 MT
• DEADWEIGHT	9,200 MT
• CLASSIFICATIONS (ABS)	+A1, E, +ACCU, +AMS, +DPS-2, NBLES

Vehicle Support

• ROV	SMD—Nereus IV, rated to 2500 m depth
• SEA PLOW	Various utilizing a 80 ton traction winch, ODIM: UAC573 Currently installed: Sea Stallion 3

Capacities

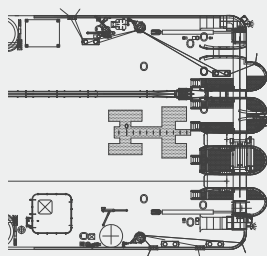
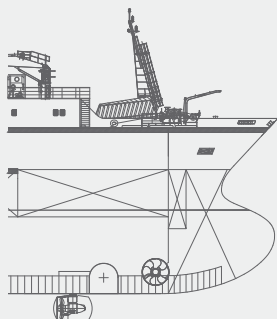
• CABLE CAPACITY (TOTAL)	5465.5 MT (3 tanks, 1822 MT to 2947.7 MT max. per tank) liquid load dependant
• CABLE CAPACITY VOLUME	3415.8 m ³ (1138.6 m ³ max. per tank)
• ROPE TANK CAPACITY	144 MT
• FRESH WATER	446 MT
• FUEL OIL	3076 MT
• WATER BALLAST	4651 MT

Propulsion & Maneuvering Equipment

• TYPE	Rolls-Royce Diesel Electric Generating Set
• MAIN ENGINES	5 × KRGB-9 Ulstein Bergen 1990 kW each
• FWD BOW THRUSTER	1 × Ulstein—1700 kW / 0—900 rpm
• SWING DOWN THRUSTER	1 × Ulstein—1700 kW / 0—1800 rpm
• AZIMUTHING STERN THRUSTERS	2 × Ulstein—3100 kW / 0—720 rpm
• DYNAMIC POSITIONING	Kongsberg Simrad SDP 22 DP, Dual Redundant System

Cable Handling Equipment

• AMPLIFIER STORAGE	Storage for 150 bodies in climate controlled environment
• STERN LINEAR CABLE ENGINE	1 × ODIM, 20 wheel pair, and 16 ton capacity Cable speed: 0–8 knots
• STERN DRUM CABLE ENGINES	2 × ODIM cantilever mounted, 4.0 m diameter drum, 30 ton lifting capacity
• DYNAMOMETERS	3 × WAMAC Roller Type and Load Cells
• DRAW OFF / HOLD BACK	2 × ODIM, 4 wheel pair, 4 ton capacity
• STERN SHEAVES	1 × 30 ton, Ø3.5 m, 0.6 m 2 × 50 ton, Ø3.5 m, 1.15 m 80 ton sheave, 46 mm towing wire
• A-FRAME	1 × 60 ton box beam construction
• DECK CRANES	2 × 10 ton SWL (port, stbd), Dreggen Crane Type: DKT300–10–25M
• BUOY HANDLING DAVITS	2 × 10 ton, suitable for steel or modular buoys
• CABLE CONTROL & DATA INSTRUMENTATION SYSTEM	Honeywell—fully integrated with ODIM System



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