



UNITED 1 Technical Specifications

MAIN PARTICULAR	
NAME	UNITED 1
PREV-NAME	TRIDENT VI
MANAGER	GPK MARINE MANAGEMENT SERVICES GROUP FZ-LLC
BUILDER	MITSUI OCEAN DEVELOPMENT-KANERI-NARUTO-JAPAN
CLASSIFICATION	BUREAU VERITAS
CLASS NOTATION (Bureau Veritas)	I HULL MACH OFFSHORE SELF ELEVATING ACCOMMODATION U N I T
DESIGN	MODEC 300-C-35
OPERATING DEPTH	300 FEET
YEAR OF BUILT	1981
CONVERSION-REBUILT	2014
PORT OF REGISTRY	PANAMA
FLAG	PANAMA
IMO NUMBER	8756382
CLASS REG. NO.	26773 D
CALL SIGN	3FY09
OFFICIAL NUMBER	45805-14
GROSS TONNAGE	7015
NET TONNAGE	2104
TRANSIT SPEED	3.5 KNOTS
TANK CAPACITIES	
BALLAST WATER	828.00 M3
FUEL OIL	485.20 M3
POTABLE WATER	672.60 M3
PRELOAD	4,724 M3
LUBE OIL	11 M3
DIRTY OIL TANK	12.5 M3



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DIMENSIONS	
LENGTH	64.32 M
LOA	86.42 (INCLUDING HELIDECK)
BREADTH	61.00 M
DEPTH	7.40 M
SUMMER DRAFT	4.60 M
DISPLACEMENT	10,403.00 MT
DEADWEIGHT	3,776.40 MT
LEGS	3 X TRUSS TYPE TRIANGULAR
LEG'S LENGTH	124.30 M (408 FEET) INCLUDING SPUDCANS
LEG SPACE	LONG'L 39.00 M (128 FEET), TRANSV. 39.00 M (128 FEET)
SPUD CAN SHAPE	HEXAGON, 13.31 X 15.37 (LXB)
SPUD-CAN DEPTH	7.01 M INCLUDING TIP
SPUDCAN FOOTING AREA	146.78 M ² (1,580 FT ²) EACH
SPUDCAN VOLUME	441.50 M ³
LEG LENGTH BELOW HULL	108.509 M (356 FEET)
LIGHTSHIP WEIGHT	6,626.64 MT
VARIABLE LOAD	FIELD TRANSIT: 2,450 MT

ACCOMMODATION	
4 MEN CABIN	47 X 4 MEN = 188 MEN
2 MEN CABIN	29 X 2 MEN = 58 MEN
1 MEN CABIN	1 X 1 MAN = 1 MAN
TOTAL CAPACITY	247 MEN (INCLUDING MARINE AND CATERING CREW)
HOSPITAL-SICK BAY	2 MEN
OFFICE	2 FOR RIG CREW, 2 FOR CLIENT
BOARDING ROOM	1
MEETING ROOM	1
GYM	1
GALLEY	1
PRAYER ROOM	1
MESS ROOM	125 MEN CAPACITY
CHANGE ROOM	8
RECREATION ROOM	1 ABOUT 20 MEN CAPACITY

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HELI-DECK	
HELICOPTER TYPE	SIKORSKY S-61 -N
SHAPE	POLYGON - 21 M INSIDE DIAMETER
DESIGN LOAD	9.30 MT
SAFET NETTING	1.2 M
HEIGHT ABOVE MAIN DECK	15.30 M
OBSTACLE FREE AREA	> 210 °
JACKING SYSTEM	
MAKE	MITSUI NATIONAL - ELECTRIC DRIVE
MOTORS	18 MOTORS PER LEG TOTAL 54 MOTORS
NORMAL JACKING CAPACITY	199.6 MT PER PINION, 3,592.8 MT PER LEG
EMERGENCY JACKING CAPACITY	227.8MT PER PINION, 4,100.4 MT PER LEG
PRELOAD LIMIT	317.5 MT PER PINION
SPEED	1.5' PER MINUTE
OPERATING PARAMETERS	
MAX WATER DEPTH	91.44 M (300')
MIN WATER DEPTH	4 M (12')
PENETRATION	7.6 M (25')
AIR GAP	9.1 M (30')
DESIGN CRITERIA	
WIND	50 KNOTS
WAVES	9 M (30') @ 12 SEC
CURRENT	0.8 KNOTS
SURVIVAL CONDITION	
WIND	100 KNOTS
WAVES	12 M (40') @ 8 SEC
CURRENT	0.8 KNOTS
MOORING SYSTEM	
WINCHES	4 x MAPE winches
WIRE	2000 feet, 1- ½" dia
ANCHORS	4 x 6.8 MT Moor Fast anchors

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POWER & MACHINERIES	
MAIN GENERATOR	5 x CAT D399 TA (1073 Hp) Generator: GE, AC. 600V, 60Hz. 1500kVA, 1200kW
EMERGENCY GENERATOR	1 x CAT D3412 TA (670 Hp); Generator: GE 600V, 60Hz, 500kVA. 400 kW
POWER DISTRIBUTION	SCR system 6 x Hill Graham SCR Bridges rated@ 1200 KVA 600 volts 1 x ALSTOM SCR Bridges rated@ 1200 KVA 750 volts
TRANSFORMERS	4 x SHIKOKU transformers rated 500, 150, 105, 25 KVA @ 225 volts 60 Hz, 1 x GENERAL ELECTRIC transformer rated 750 KVA @ 480 volts 60 Hz
COMPRESSED AIR SYSTEM	1x Cold Start compressor SULLAIR B552/ST 2A, 36 CFM@200 psi, 14.5 Hp diesel driven 3 x Medium Pressure (rig air) compressors, SULLAIR 20-100-H, 630 CFM@120 psi, electric, 100 Hp 1x Air dryer, DOMNICK Hunter
WATER MAKER	2 x Aqua Chem, each 35 M3 RO plant
SEWAGE TREATMENT PLANT	1 set, SUGAR LANG OMNIPURE 15MXMP, for 250 men
OILY WATER SEPERATOR	1 set
CALORIFIER	1x 1500 liters, Skid Mounted, Vertical storage tank, with 3x50 kW electric heating elements, fitted with 2x2.5 m3/hr@5m H.W. Circulating Pumps (1 working + 1 standby).
HYDROPHORE	2x1000 liters capacity pressure tank, vertical arrangement Skid Mounted, fitted with 2 x 15 M3 /Hr 2 5 bar circulating Pump (1 working + 1 standby)
LIFE SAVING APPLIANCES	
Fast rescue boat	STBD lifeboat is considered as Rescue boat
Life boats	1X Totally enclosed Nor-safe JYN115T/DC, FWD; 110 men, 1X Port & 1X STBD 60 Men each, 1XsTBD, 25 men
Life rafts	10 x Viking inflatable, 25 men each
Life Buoys	13 x lifebuoys, Billy Pugh, with light, smoke
EPIRB	1 set
SART	2 sets
Life Jackets / Work vests	330 / 10

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FIRE FIGHTING APPLIANCES	
FIRE PUMP	2 unit HALCO made, 250m ³ /Hr (each) Located at Auxiliary Machinery room / Compressor room.
	The system fitted with 27 fire hydrants, 8 off fire hydrant/ hose connection (each 50 to 75 Ft Length)
FIXED CO2 SYSTEM	Fixed CO2 system for main hazard rooms (Engine room/ Paint locker/emergency generator/SCR room/ fitted With Alarm & Audible and automatic shutdown of Ventilation fans in protected spaces)
PORTABLE FIRE EXTINGUISHER	87 bottles, 23 x CO2, 64 X Dry powder
TELE-COMMUNICATION	
Equipment Name	Maker
VSAT	SAILOR - 900
FLEET BROAD BAND	SAILOR - FBB-150
INMARSAT-C	FURUNO- FALCOM -15
MF/HF & DSC	FURUNO -FS-1562
VHF & DSC	FURUNO -FM-8500
GPS	ONWA-KP-32
CHART PLOTTER WITH GPS	SAMYUNG-N560
NAVTEX	SAMYUNG-SNX-300
AIS	JOTORN -TR-8000
EPIRB	GME-MT403FF
SART	SAMYUNG-SAR-9
GPS COMPASS	COMNAV-G1
GMDSS WALKIE/TALKIES	ENDEL-UK, HT-644
NORMAL WALKIE/TALKIES	STANDARAD HORIZON, HX-290
WIND INDICATOR	YOUNG
PRINTER	FURUNO -PP-150
SAT.TV	SAILOR- COBHAM-90
PUBLIC ADDRESSER	ZENYTEL-VPA -240
TELEPHONE EXCHANGE	STENTOFON -ALFA CAM XE20