

# REM ANDES



## Main Particulars

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Design	MMC 887 CP
Built/Converted	2012/2019
Yard	Remontowa, Gdansk, Poland
Owner	Rem Andes AS
Flag	Bahamas
Class	Beurea Veritas
DWT	3579 mt at max draught 5.60 m

## Class Notations

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\*HULL \*MACH, SPECIAL SERVICE – RESEARCH & SEISMIC SURVEY, UNRESTRICTED NAVIGATION AUT-UMS (SS), MON-SHAFT, GREEN PASSPORT, CLEANSHIP, INWATERSURVEY, DYNAPOS AM/AT R,HEL

<b>SHIP TYPE</b>	Special Service Vessel – Seismic Research
<b>CLASSIFICATION</b>	BUREAU VERITAS
<b>BUILDER</b>	REMONTOWA SA. Gdansk, Poland, 2012
<b>YEAR CONVERTED</b>	2019
<b>IMO NUMBER</b>	9606699
<b>PORT OF REGISTRY</b>	Nassau
<b>FLAG</b>	Bahamas
<b>CALL SIGN</b>	C6EJ6
<b>OFFICIAL NUMBER</b>	7001264

**OWNER:**

REM ANDES AS,  
6092 FOSNAVAG

**MANAGER:**

REM MARITIME AS,  
6092 FOSNAVAG

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**MAIN DIMENSIONS**

Length O. A.	87,90 m
Length P. P.	81.52 m
Breadth	18,80 m
Draft	5,60 m
Gross Tonnage	5458
Net Tonnage	1637

**CLASS NOTATIONS**

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**MACHINERY AND PROPELLER PLANTS**

**Main propulsion system**

Main Engine: 2 x MAC 6M25 rated 1900 kW - (2548 BHP) each  
 El Motor: PTI 2 x PTI Motors rated 2000 kW - (2682 BHP) each  
 Combined Propulsion: Hybrid Mode 6500 Kw/8716 BHP  
 Propellers: 2 x CPP, Berg, 3m  
 Rudders: 2 x Rolls-Royce FB Rudder/Flap rudder  
 Bow Thruster: 2 x 900 kW,12,5 T Thrust, Scana  
 Stern Thruster: 2 x 600 kW, 8.7 T Thrust, Scana

**Power Plant:**

Main Generator: 2 x CAT 3516C rated 2,350 kW (3,151 BHP) /690V/  
60Hz/ 3Ph  
 Shaft Generator: 2 x 2,000 kW (2,435 BHP) /690V/ 60Hz/ 3Ph  
 Emergency Generator: 1 x 398 kW (533 BHP)/ 690V/ 60Hz/ 3Ph

**DECK MACHINERY**

Deck Crane: TTS GPT 80-2-12 Telescope Hydraulic Crane SWL 2T

Deck Crane:	MELCAL FL35T5 Offshore Crane, SWL:4T/4,6m-1.3T/14m
Anchor Windlass:	2 x 11 T, Electric driven, Brattvaag
Anchor Chain:	2 x 275 m x 54 mm (Ø)
Anchor (Bow):	2 x 2,840 kg, High Holding Power Anchors
Capstan:	2 x 10 T @ 35.2m/min, Brattvaag
Workboat:	N/A
Static Bollard Pull:	101.90 MT

### NAVIGATION EQUIPMENT

AutoPilot:	SPERRY MARINE "NAVPILOT 4000"
DGPS:	FURUNO GP-150
Radars:	FURUNO FAR-2X17B FURUNO FAR-2X37S-BB
Gyro Compass:	3 x Sperry Marine NAVIGAT X MK1
Magnetic Compass:	SPERRY MARINE
ECDIS:	FURUNO "TECDIS"
DP system:	KONGSBERG K-POS DP21
Navigation Echo Sounder:	FURUNO FE-720
GMDSS:	FURUNO A1, A2, A3
VDR:	FURUNO VR-3000
AIS:	FURUNO FA-150
Speed Log:	FURUNO DS-60
Facsimile:	FURUNO FAX-408

### SEISMIC EQUIPMENT

Energy Source:	2 x LMF48/138-207 48 m3/min (1695 cfm) 3 x LMF31/138-207 31 m3/min (1095 cfm)
Source Controller:	Bigshot
Source Elements:	Sercel G-Gun II
Sub Arrays:	up to 10
Volume:	up to 8000 cu.in.
Operating Pressure:	138 bar / 2000 psi
On-line Navigation System:	GATOR
Primary Navigation:	GATOR
GPS receiver:	2 x VERIPOS LD-900
Secondary navigation:	GATOR
Gun array tracking:	RGPS Kongsberg Seatrack 330
Acoustic:	Project specific USBL

### QC QUALITY CONTROL

Navigation QC:	Teledyne Smart Source D
QC Seismic Processing:	Open CPS
ADCP:	JRC Model: JLN-652
SEISMIC ECHO SOUNDER:	KONSGBERG EA Singlebeam WBT Standard 38kHz / 200kHz

### SPEED AND FUEL CONSUMPTION

Cruising Speed:	10,0 knots / 16.0 m3
Max speed:	14,0 knots / 21.0 m3
DP operations:	var. / 12.0 m3

### CAPACITIES

Fuel:	2980 M3 at 98%
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Fresh water:	664 M3
Sewage:	23.8 M3
Oil Residue:	20,8 M3
Fresh water generator:	ENWA Reverse Osmosis: 25 m3
Sewage treatment plant:	75 persons x RWO WWT LC 06, 10.8 m3/hr
Incinerator:	Atlas 400 SLWS 180.000 kcal/h; max70 kg/h

### **LIFE SAVING EQUIPMENT**

Life Rafts:	12 x 16, Viking
Rescue Boat:	2 x 15 persons, Jiangyin Neptune Marine FRP BA-sets 4 x SCOTT
Air Compressor:	1 x MCH-13/ET
Line Thrower:	4 x Pains/Wessex
Survival Suits:	64 x VIKING
Life Vests:	70
Life buoys:	12
Gas Monitor:	3 x portable sets-Drager
Medical Emergency:	1x Heart-Start AED, Resuscitator
Galley System:	1x CO2 HP System
Emergency Fire Pump:	1x 45 m3/h
Fire Extinguisher:	104/ CO2, Powder/Foam/DP
CO2 System:	1x Fixed ER 1x Fixed Galley 1x Fixed EDG

### **COMMUNICATION**

Inmarsat Fleet broadband:	FELCOM 250
VSAT equipment:	MARLINK
Inmarsat C:	FURUNO Felcom 15
Emergency Radios:	3x VHF ENTEL HT649
M/FandH/F:	FURUNO FS-1570
VHF stationary:	FURUNO FM-8800S
Internal communication:	1 Automatic Telephone System "VINGTOR" 1 Battery less Telephone System "VINGTOR" 1 Public Address System
Navtex:	NX-700
Vessel E-mail:	<a href="mailto:captain@andes.remoffshore.no">captain@andes.remoffshore.no</a>

### **ACCOMMODATION**

Accommodation capacity:	60 persons
Special Purpose Ship:	SPS 60
1M Cabins:	20 x 1M Cabins with Bathrooms
2M Cabins:	20 x 2M Cabines with Bathrooms
Mess:	42 person
Day room:	1 x comfortable outfitted on Deck B
Gym Area:	Fully equipped

### **HELIDECK**

D value:	19.5 m
"t" value:	9.3 t
Location:	Stern

**Basic Seismic Equipment Rem Andes**

Name	SerialNo	Maker	MakersType	Number
Deflectors, Marshseis No2, with Float				3
Deflectors, Marshseis No3 with Float				3
Seadiff Controller	110085	Kongsberg	G701-03_01	2
Seadiff 300	108047	Kongsberg	G701-03	1
Seatex VCU 300 No. 1	VCU666	Kongsberg	G700-20	1
Seatex VCU 300 No. 2	VCU665	Kongsberg	G700-20	1
Seatex VCU 300 No. 3	VCU665	Kongsberg	G700-20	1
Seatrack 330 RGPS Pod	858	Kongsberg	330 RGPS	19
Dual PSU	512236	Aim TT i	EL302RD	6
Single PSU	514802	Aim TT i	EL302P-USB	2
Seatrack Junction Box No. 1		Kongsberg		1
Seatrack Junction Box No. 2		Kongsberg		1
Slip Ring ESR220/100/96-1 + BAT.R.40				7
	Hexagon	H70-PC		1
Veripos No 2	Hexagon	H70-PC		1
Gator II CIU	22	ION	84715000	1
Gator II CIU	23	ION	84715000	1
Gator Bridge machine	7JHQBN3	ION	84714900	1
Gator Workstation		DHJ71N3		1
Gator Workstation		HHJ71N3		1
Umbilcal (DeRegt)	GU - 09196570 51	DeRegt		7
BigShot Controller (BCTL)	110810-01	Teledyne	BSCTL	1
BigShot Controller (BCTL)	112910-01	Teledyne	BSCTL	1
BigShot Power Supply (BS-PWR4)	011509-01	Teledyne	BS-PWR4	18
SmartSource Controller (SSCTL)	1.0296E+13	Teledyne	SSCTL	2
SmartSource Power Supply (SSPWR-2)	1.0286E+13	Teledyne	SSPWR-2	7
Gun Controller Computer No. 1	442400059	Superlogix	SL-4U-AB250M-WB	1
Gun Controller Computer No. 2		HP		1
Hydrophone AG Digital (02-11-500)	894	AG Geophysical	02-11-500	42
Depth Transducer (AGH D500)	25894	AG Geophysical	AGH D500	28
Pressure Transducer (AGH P600)	AG Geophysical	AGH P600		17
Sercel G-gun II Complete 150 II				68
Sercel G-gun II Complete 250 II				16
Flexible floats complete assembly				6



