



R / V MTA SELEN



SPECIFICATIONS

General

Vessel	R/V MTA SELEN
Owner	MTA
Date Built	2010
Flag	Türkiye
Port of Registry	İstanbul
Classification	TL +1A5 Geophysical R/V (+)M
Call Sing	TCXS9
Length Overall	21 m
Beam	5.60 m
Depth	3.3 m
Max. Draft	1.85 m
Gross Tonnage	91.08 t

Capacities

Speed (max)	11 knots
Fuel	8 m ³ Diessel
Fresh Water	8 m ³
Berths	9

Deck Equipment

Creyn	15 ton.m
Winch	600 m

Machinery

Main Engines	2 x Cummins QSB 5.9 305 hp
Generators	2 x 56 kW Genpower

Communication & Navigation Equipment

Radar	Kelvin Hughes MD 2000A
Gyro Compass	Navigat X MK 2 Digital Gyro
Magnetic Compass	SCH 146 (MK 2002)
Echo Sounder	KODEN CVS-842
GPS Receiver	SAAB R4
Radio's, DSC VHF	JHS 780D Marine VHF
Navtex Receiver	NAV 7 MC Murdo
AIS	JRC - JHS-182 AIS- 12 W
GMDSS, Hand VHF	Tron TR20 GMDSS
Anemometre	WD 296 Walker Wind System

SCIENTIFIC EQUIPMENT

Multi Channel High Resolution Seismic System

Manufacturer	Hydroscience Tech. Inc.
Model	SeaMux-3
Number of Channel	96 ch @ 3.125 m
Streamer	Solid
Navigation	EIVA NaviPack
Cable Leveler	OyoGeospace Bird
Seismic Compressor	Junkers 2000 psi @ 2 m ³ /dk
Air Guns	Bolt Technologies Corp.
Capacity	2 x 30 in ³ ve 2 x 20 in ³
MRU /GPS	Hemisphere

Seismic Data Processing

Data Processing	ProMAX 2D + SeisSPACE
Seismic QC	SPW 3

Single Channel High Resolution Shallow Seismic System

Model	Geoacoustics
Source (Boomer Plate)	105, 175, 280 joule
Source (Sparker)	105, 175, 280, 350, 455 joule
Receiver	5210A Receiver
Power Supply	Geopulse 5420S
Streamer	20 Hydrophone
Software	GeoPro2

Sediment Sounder

Manufacturer	Innomar Technologie GmbH
Model	SES-2000 Compact
Depth Range	4 – 400 m
Penetration Depth	Max 40 m
Vertical Resolution	Min 5 cm

Marine Magnetometer

Manufacturer	Marine Magnetics
Model	SeaSpy
Range	18.000 nT – 120.000 nT
Sampling Rate	4 Hz – 0.1 Hz

Geological Sampling Equipments

KC Denmark Piston/Gravity Grab	1.5 or 3 m Core Sample 1.500 in ³
---------------------------------------	---

Multi Beam Echosounder

Manufacturer	Elac Nautik GmbH
Model	SeaBeam 1050D
Frequency	50 kHz / 180 kHz
Number of Beam	126
Resolution	1.5° x 1.5°
Depth Range	Max 580 m @ 180 kHz
Depth Range	Max 3000 m @ 50 kHz
Software	Hysweep @ Hypack
Software	HydroStar
Navigation	Hypack
MRU /GPS	Coda Octopus (F 180)

Single Beam Echosounder

Manufacturer	Elac Nautik GmbH
Model	Hydrostar 4300
Frequency	30 kHz / 200 kHz

Acoustic Doppler Profiler

Manufacturer	Sontek YSI Corp.
Model	ADP 500
Frequency	500 kHz
Depth Range	Max 100 m

Water Sampler

Manufacturer	Sea-Bird Electronics, Inc.
Model	SBE 55 Eco
Bottle Capacity	4 Litre
Number of Bottle	3
Depth Range	Max 600 m

CTD 1

Manufacturer	Sea-Bird Electronics, Inc.
Model	CTD 19 Plus (O ₂ Sensor)
Depth Range	Max 600 m

CTD2

Manufacturer	Sea & Sun Marine Tech
Model	CTD 60M
Depth Range	Max 2000 m

Side Scan Sonar

Manufacturer	EdgeTech
Model	4200-FS
Frequency	100 kHz / 400 kHz
Depth Range	400 m (Cormac IV Winch)