



UNMANNED MARITIME SYSTEMS LIVE DEMONSTRATION'S BROCHURE



Strategic Partner



Organised by



In association with

UNITED ARAB EMIRATES
MINISTRY OF DEFENCE



الإمارات العربية المتحدة
وزارة الدفاع

DAILY SHOW TIME TABLE



DATE



DAY



TIME



LOCATION

23-01-2024	TUESDAY	14:45 - 15:45	ADNEC MARINA
24-01-2024	WEDNESDAY	14:15 - 15:15	
25-01-2024	THURSDAY		

Unmanned Boat 10 meter



Company Name: **ALFATTAN**



SPECS

LENGTH	11.2 meter
WIDTH	2.4 meter
DRAUGHT	0.60 meter
MANUFACTURING MATERIAL	Fiber Mixture
PROPULTION	2 Outboard motor
EQUIPMENT	X band radar - Day and Night thermal Camera - command and control system

Unmanned (YARYOOR) Boat 20 meter



Company Name: **ALSEER**



SPECS

LENGTH	19 meter
WIDTH	3.8 meter
DRAUGHT	1 - 0.9 meter
MANUFACTURING MATERIAL	Composite
SPEED	45 knots
PROPULTION	2 x 1050Hp inboard engines with waterjets
EQUIPMENT	radar Xband - day and night thermal camera - AIS - GPS - Harris Communication VHF and UHF
RANGE	680 Nautical Miles
COMMUNICATIONS	Primary, Secondary Tertiary, SATCOM and 4G-LTE capable
PAYLOADS	Surface and Sub-Surface payloads can be integrated

UNMANNED BOAT (Oscar) operated by NATIONAL GUARD



Company Name: **AL SEER MARINE**



SPECS

LENGTH	11 meter
WIDTH	2.98 meter
DRAUGHT	0.49 meter
MANUFACTURING MATERIAL	composite
PROPULTION	2 outboard engin(FPT)
EQUIPMENT	radar XBAND - Day and night thermal camera - AIS - GPS - Harris Communication VHF and UHF

Unmanned SILS Vessel



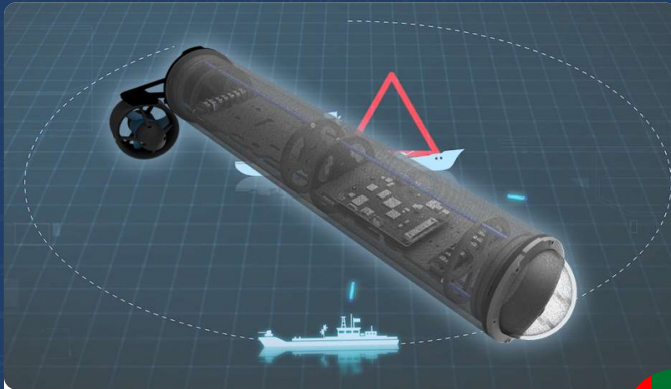
Company Name: **MARAKEB**



SPECS

LENGTH	21 meter
WIDTH	5.5 m
DRAUGHT	1.07
MANUFACTURING MATERIAL	GRP
PROPULTION	Inboard Diesel Engines
EQUIPMENT	Marakeb MAP Pro autonomous system, EO/IR, RF Radios, Furuno Radar, GFE Weapons and SATCOM

Piranha Subsurface Torpedo



Company Name: **MARAKEB**



SPECS

LENGTH	0.77 meters
WIDTH	0.17 meters
DRAUGHT	0.24 meters
MANUFACTURING MATERIAL	N/A
PROPULTION	Electric Motors
EQUIPMENT	Marakeb MAP Pro autonomous system, payload bay depending on the use case

UNMANNED UNDERWATER VEHICLE (DEFENDER)



Company Name: **DIVCO**



SPECS

LENGTH 0.75 meter

WIDTH 0.39 meter

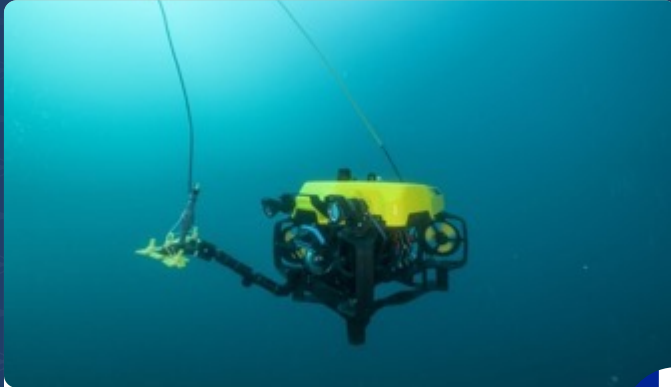
DRAUGHT 242 mm

MANUFACTURING MATERIAL N/A

PROPULTION 4 horizontal motors and 3 vertical motors for precise control around the target (mine), the possibility of staying on site

EQUIPMENT Camera, lighting, Telendyn navigation sonar, DVL speed limiter, USB voice positioning, control and loading arm, and the ability to install additional equipment. Greensea navigation and positioning software

UNMANNED (R7) UNDERWATER VEHICLE



Company Name: **EXAIL**



SPECS

LENGTH 0.85 meter

WIDTH 0.58 meter

DRAUGHT 242 mm

MANUFACTURING MATERIAL N/A

PROPULTION 4 horizontal engines and 3 vertical engines for precise control around the target (mine), and the ability to remain on site

EQUIPMENT Camera, lighting, Telendyn navigation sonar, DVL speed limiter, USB voice positioning, control and loading arm, and the ability to install additional equipment. Greensea navigation and positioning software

ARCIMS AUMS



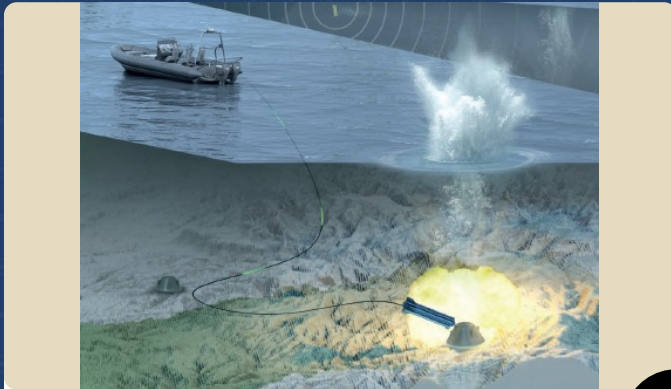
Company Name: **ATLAS**



SPECS

LENGTH	11.2 meter
WIDTH	3.4 meter
DRAUGHT	0.55 meter
MANUFACTURING MATERIAL	N/A
PROPULTION	2 x HamiltonJet HJ322 waterjets
EQUIPMENT	Minesweeping Mission Modules/ Reconfigurable Sweep Payloads

UNMANNED UNDERWATER (SEAFOX-1)



Company Name: **ATLAS ELKTRONIK**



SPECS

LENGTH	1.3 meter
WIDTH	0.39 meter
DRAUGHT	
MANUFACTURING MATERIAL	N/A
PROPULTION	4 engine
EQUIPMENT	Camera, lighting, sonar to detect the target and move towards

UNMANNED SAIL BOAT (AL SHERAA)



Company Name: **UAE-MoD**



SPECS

LENGTH	7.2 meter
WIDTH	2 meter
DRAUGHT	1.5 meter
MANUFACTURING MATERIAL	N/A
PROPULTION	Wind propulsion + back-up Electric Motor
EQUIPMENT	Used for survailence and coastal protection applications equipped with: <ul style="list-style-type: none">- Weather station- Navigation radar- Stabilized electro-optic and thermal camera

UNMANNED AUTONOMOUS BOAT (SBAN)



Company Name: **UAE-MoD**



SPECS

LENGTH	7.2 meter
WIDTH	2 m
DRAUGHT	30 cm
MANUFACTURING MATERIAL	N/A
PROPULTION	Verado 300 HP Outboard
EQUIPMENT	Guidance technology: <ul style="list-style-type: none">- GNSS Aided INS- RADAR- Electro Optic

AUTONOMOUS UNDERWATER VEHICLE PLATFORM



Company Name: **TECHNOLOGY INNOVATION INSTITUTE**



SPECS

LENGTH	3.8 meters
DIAMETER	20 centimeters
DRAUGHT	
MANUFACTURING MATERIAL	Carbon fiber
PROPULTION	2 forward thrusters, 2 lateral thrusters and 2 vertical propellers Equipment
GEO-LOCALISATION	GNSS; INS
NAVIGATION AID (GNSS DENIED)	Exail Phins C3 + Nortek 1000 DVL + MTBx02 USBL acoustic
SIDE SCAN SONAR	1200 Khz
COMMUNICATION	Iridium Satellite

AUTONOMY MAST



Company Name: **TECHNOLOGY INNOVATION INSTITUTE**



SPECS

LENGTH 1.1 meters

WIDTH 1.2 meters

DRAUGHT 30 cm

MANUFACTURING MATERIAL Aluminum

PROPULTION

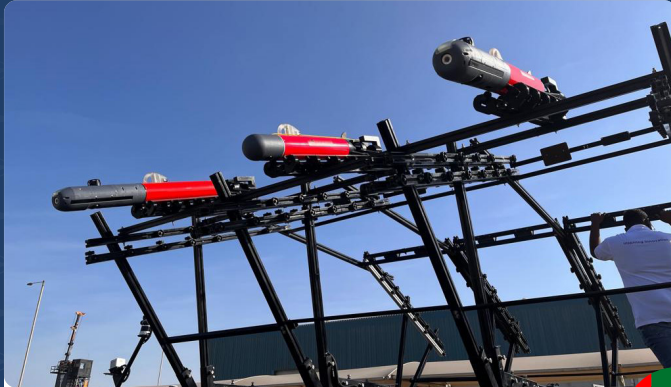
EQUIPMENT

GEO-LOCALISATION GNSS; INS

CAMERAS

Color and Thermal
LiDAR Short-Middle range
LiDAR Long Range (+-1km)
Weather Station AIS

PORTABLE AUTONOMOUS UNDERWATER VEHICLE PLATFORM



Company Name: **TECHNOLOGY INNOVATION INSTITUTE**



SPECS

LENGTH	1.2 meters
WIDTH	12 cm
DRAUGHT	30 cm
MANUFACTURING MATERIAL	Composite resin with carbon fiber
PROPULTION	1 axial propeller
EQUIPMENT	Dual camera system, Side Scan Sonar, Visual modem, Acoustic beacon

UNMANNED SURFACE VEHICLE



Company Name: **TECHNOLOGY INNOVATION INSTITUTE**



SPECS

LENGTH	9 meters
WIDTH	2.7 meters
DRAUGHT	0.8 meters
MANUFACTURING MATERIAL	Fiber glass
PROPULTION	1 outboard engine Mercury 150
EQUIPMENT	
GEO-LOCALISATION	GNSS; INS
CAMERAS	Color and Thermal LiDAR Short-Middle range LiDAR Long Range (+-1km) Communication: 4G and Radio link

ROV WITH LANTERN EYE (UNMANNED 3D MODELLING SYSTEM)



Company Name: **EXAIL**



SPECS

LENGTH	330 mm
WIDTH	114 mm (diameter)
DRAUGHT	N/A
MANUFACTURING MATERIAL	N/A
PROPULTION	N/A

EQUIPMENT

The Lantern Eye System is an advanced camera system with built-in Artificial Intelligence for developing real-time 3D models. This system can be mounted on any Unmanned vehicle such as an ROV and is able to generate 3D models without human intervention