

Marshall Land Systems and UMS Skeldar have partnered to offer a highly mobile, multi–purpose Battlefield Deployable Uncrewed Aerial System (BDUAS) to provide end–users with enhanced reconnaissance capabilities.

The unique BDUAS is highly ruggedised to withstand all harsh environments and provides fast redeployment to minimise any logistical footprint.

This end-to-end, turnkey solution has multiple capabilities in only one container, such as uncrewed aircraft (UA) transport and storage, a heavy duty maintenance and repair workshop and a Remote Piloting Station (RPS) for two operators.









Uncrewed Aerial Systems (UAS)

UMS SKELDAR is a System House, providing 'UAS' systems to Military, Civil and Commercial customers world wide.





UMS Skeldar is a joint venture (JV) between Saab AB, which is and has been the main supplier for aircraft and defence systems to the Swedish armed forces and other countries for more than 85 years, and UMS Aero Group AG, a Swiss investor company with strategy to invest in and develop medium sized high-tech companies.

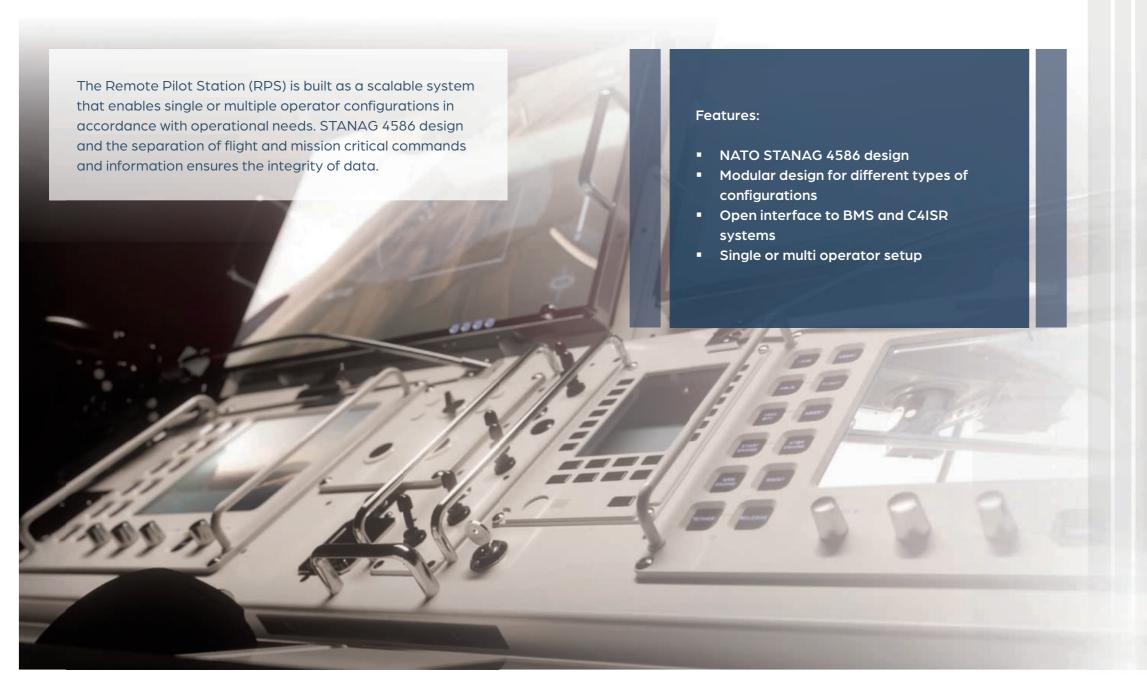
The Multi-Purpose Container



Transport & Storage



Remote Pilot Station



Repair Workshop

These are commonly deployed to support armed forces engineers and can be installed with lathes, milling machines, pillar drills, grinders, work benches, de-greasing sinks and a variety of tool storage options. The well-being of our customers is crucial, so our workshop containers all offer air conditioning and fume ventilation for a healthy, safe work environment. The repair workshop is operational when the container is mounted on a support vehicle.



The UAS - Skeldar V-200

Overall length (incl. rotor)	5.2 m / 17.1 ft
Airframe length (excl. rotor)	4.0 m / 13.1 ft
Height	1,3 m / 4.26 ft
Width	1,2 m / 3.93 ft
Rotor Diameter	4.6 m / 15.1 ft
Empty weight	175 kg / 386 lbs
Max fuel + Oil weight	60 kg / 140 lbs
Max Payload weight	40 kg / 88 lbs
Max Payload Power	1200 W
Max take-off weight	(MTOW) 245 kg / 540 lbs
Service ceiling	3000 m / 9 842 ft
Max speed	140 km/h / 75 kts
Endurance speed	75 km/h / 40kts
Endurance	7+ hrs
Wind (take off and landing)	> 25 knots
Data Link Range	150 km+ (80 NM)
Sea state	3 – 4 (depending on ship type)





Battlefield Deployable Uncrewed Aerial System



Applications - Many Missions

Numerous payload combinations enable the SKELDAR V-200 to be used for a wide range of Intelligence, Surveillance and Reconnaissance (ISR), maritime and overland missions.

Maritime Intelligence, Surveillance and Reconnaissance

- EEZ monitoring
- Counter-Piracy (CP)
- Counter Narcotics (CN)/ People smuggling
- Custom and Fisheries
- Environmental Protection

ASW (Anti-Submarine Warfare)

- Surveillance, coordination, control, response
- ASuW (Anti-Surface Warfare)
- Surveillance, coordination, control, targeting, OTHT "over-the-horizon targeting"

Long Range Search and Rescue

- Search and rescue (SAR) search, coordination, control
- Combat search and rescue (CSAR) support
- Air drop of markers and survival equipment

Over land ISR and border patrol ELINT and EWS operations

- Communications intelligence
- Signals intelligence

Specialist over-land and over sea operations.

Maritime Counter Terrorism (MCT)













Applications - Maritime Concept of Operations

- UA flight profiles that provide persistent, stealthy surveillance of suspect vessel from outside visual and aural range.
- Payload and datalink capability to support continuous recording of live imagery and provide metadata of suspect vessels through to the RPS system database in support of evidentiary collection.
- Delivery of live imagery to boarding party with Remote Video Terminal (RVT).
- Delivery of live imagery to the ship combat management system and bridge remote viewing display.











Complete Capabilities Provider

UAS				
Remote Pilot Station (RPS)	Data Links	Unmanned Aircraft (UA)		
V-150 RPS CIVIL	Long Range Data Link 1 UA / GND Assembly	SKELDAR V-150		
V-200 RPS	Long Range Data Link 2 UA / GND Assembly	SKELDAR V-200		
	C2 LinkUA / GND Assembly			

	Customer Specific Equipment				
	Role Change Equipment	Permanent Equipment			
	EO/IR Sensors	EO/IR Sensors			
	Chem, Bio, Nuclear				
	SIGINT, COMINT				
	RADAR Transponders, ADS-B, Mode 5, iFF, AIS Anti-Jamming Ship Landing Systems				

Service				
Training	Service	Inst. (Customer) infrastructure		
UMS-173 VTOL UAS Ground School	AOG Field ServiceFlight Operations Warranty	Vehicles		
UMS-174 Introduction to UAS Operations	ILS (maintenance support & planning, unscheduled and scheduled Maintenance etc.)	Containers		
UMS-177 Conversion to Type	Demonstration	Trailers		
UMS-CE Endorsement & UMS 176 Direct Entrant Live	Continued Airworthiness & in-ser- vice updates	Ships		

Support Equipment

Ground Support Equipment

Spare Parts

Technical Publications

Training System

Overview - Marshall Land Systems







Deployable Solutions

For more than 70 years Marshall has supplied proven deployable solutions and operational infrastructure for customers facing challenging scenarios. Our products and solutions are manufactured to be transported wherever they are needed worldwide. Our containers are designed to house ground based air defence systems, ammunition storage. CT Scanners, field hospitals, forensic analysis facilities or any other complex capability. The solutions can be single, expandable or multiple units linked together depending on the requirement.

Managed Support Services

We offer the full spectrum of Managed Support Services to optimise availability of assets and reduce through-life support costs for projects around the globe.

We're proud to deliver upkeep, update and upgrade services, meeting availability requirements and assuring capability through-life. This support includes a full range of post-design services that enable our customers to control their operations and complex supply chains with complete confidence.

Overview - UMS Skeldar







UMS SKELDAR, a joint venture between Saab and UMS AERO Group, aims to be the world leading provider of VTOL Unmanned Aerial Systems across NATO reference customers.

UMS SKELDAR provides excellence in mid-market Remotely Piloted Aircraft Systems (RPAS) and is the provider of choice across maritime markets where the highest quality systems are required.

We're headquartered in Switzerland, just outside of Basel. Twin manufacturing facilities in Switzerland (Möhlin) and Sweden (Linköping) allow our company to offer a comprehensive Unmanned Aerial Systems (UAS) solutions portfolio.

The company provides a total solutions capability globally, including Development, Manufacture, Testing, Training, Consultancy, Maintenance, Managed Services, and others.

