



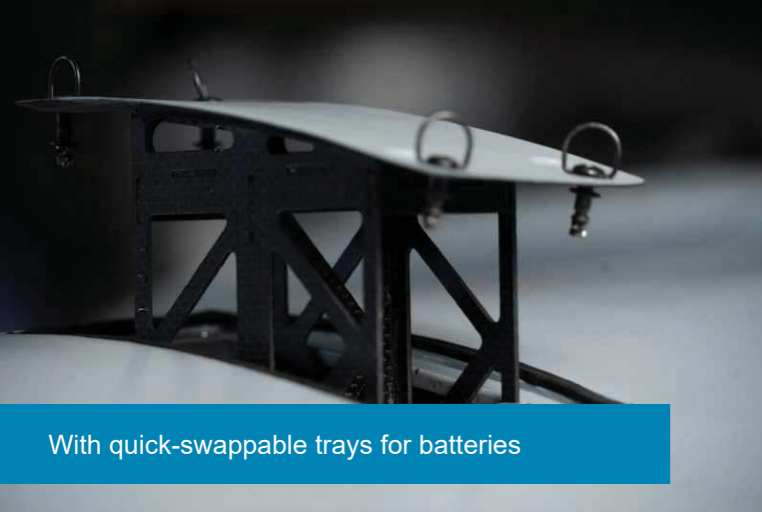
elevonX

PROFESSIONAL UAV SOLUTIONS

TANGO VTOL



Naval Unmanned Aerial Platform



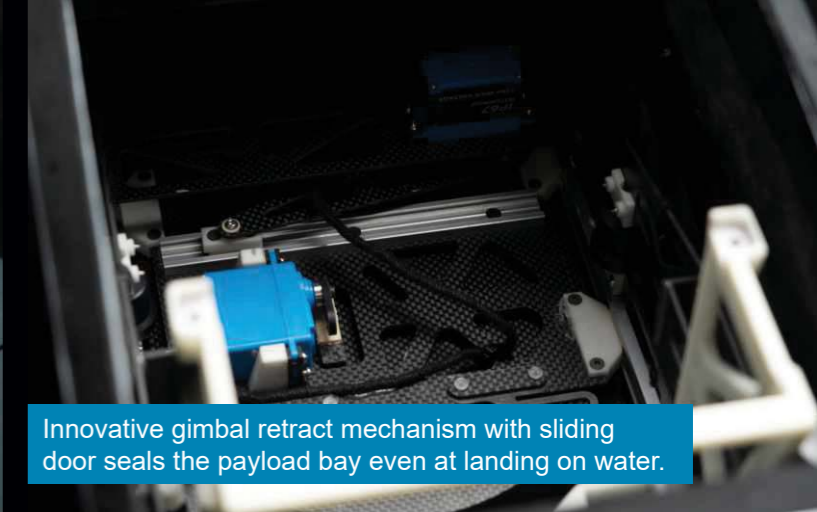
With quick-swappable trays for batteries



Quick-release mounts for props.
Tail booms enable fast and secure assembly.



Optional ballistic parachute for added safety



Innovative gimbal retract mechanism with sliding door seals the payload bay even at landing on water.

Innovative sealed VTOL flying platform for maritime use

Maritime unmanned system TANGO was designed for use in demanding marine environment. UAV is completely sealed so it can be washed with fresh water after use to prevent negative impacts of salty environment. Innovative design makes TANGO is perfect maritime VTOL for use on the ship and boats. System can be equipped with fully electric, hybrid or fuel-cell hydrogen propulsion system. The sealing design and buoyancy on the water enable emergency landings or landings on the water, which is an innovative solution.

TANGO fuselage is completely sealed for maritime use.



Extremely large cargo space dimensions (45x23x23cm) allow to install a gimbal of large dimensions with different characteristics.



Complete flight electronics is integrated in detachable nose cone so it is possible to quickly change complete control system.



Propulsion system is IP rated and motors can run even if completely submerged in salt water.



Possibility of landing on the water



Technical data Tango VTOL

Physical	
Aircraft Take-off Weight (Max)	19 kg
Wing span	3,0 m
Length	1,9 m
Height	0,7 m
Propulsion	Electric or Electric+Gas
Payload Weight (Max)	5 kg
Payload Place Dimensions (Max)	45 x 23 x 23 cm
Payload Power (Max)	15W @ 5V and 35W @ 12V (Mauch Premium line). Stronger power supply on demand.
Communications	
Frequency (Primary)	868 MHz or 900 MHz
Transmit Power (Primary)	1 W max (configurable)
Bandwidth (Primary)	57 kbps
Range (Primary)	20+ km line of sight
Protocol (Primary)	MAVLink
Transceiver (Backup)	RC PPM
Flight	
Airspeed (Cruise)	20 m/s (72 km/h)
Airspeed (Max)	35 m/s (125 km/h)
Range (at Cruise)	420 km
Endurance (at Cruise)	2.5 hrs. Electric - 6 hrs. Gas
Operations	
Take-off and landing place	10 x 10 m autonomous, 5 x 5 m autonomous + operator

