

## **S1-V300 MALE Unmanned Platform Prototype**

an advanced Unmanned Aerial System prototype with fully autonomous operation capability

#### THE MAIN FEATURES:

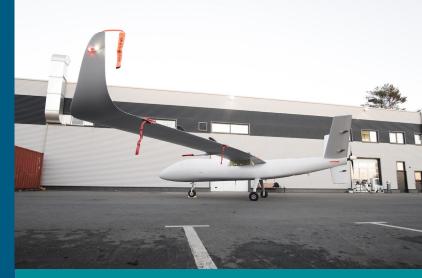
- Improved structural strength wings and extra hard points for carrying external payload of 300 kg
- · Automatic taxi-takeoff and landing systems
- Satellite communication for extended range
- Fully redundant avionics
- · Counter electronic warfare system
- · Communication relay payload

#### **OPERATION IN FULLY-DISCONNECTED MODE:**

- Remote Ground Controls network capability
- Equipped with Beyond Line-of-Sight (BLOS) data link system for over-the-horizon operations

#### **PERFORMANCE:**

The UAV is designed to operate in harsh environments and is adapted to perform in an extremely hostile, dry and dusty ambient air



# Multi-role & Mission Ready Unmanned Aerial System

- Multiple ISR sensors
- Electro-optical Infrared (EO/IR) cameras
- RADAR
- Signals Intelligence (SIGINT)
- Communication relay payloads
- System of counter electronic warfare
- Synthetic Aperture Radar (SAR) that offers allweather, day/night performance for a wide-area search capability

### Wide range of applications:

Supporting a variety of overland and maritime Intelligence, Surveillance, and Reconnaissance (ISR) missions worldwide **PARAMETER** 

#### 18.7 m Wing span **DATA PARAMETER** Length 8.7 m Maximum speed 200 km/h Height 2.8 m Cruising true speed 160 km/h **Empty** weight 710 kg Service ceiling 500 L / 380 kg 7000 m Fuel tanks capacity Operational range 3680 km **Ballistic** Parachute Endurance (max) 23 h + hoursMax. climbing speed (30 min fuel 5 m/s reserve) **PERFORMANCE Altimeter** 2xRadio Max. climbing speed 5 m/s -40C...+50C Operation temperature Maximum take-off weight 1200 kg **Engine** ROTAX 915 (MTOW) Max payload with full fuel tanks 100 kg Runway in length, at least 1100 m Runway in width, at least Max load factor permitted +4q - 2q25 m

**DATA**