



SPETS
TECHNO
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PD-2

UNMANNED AERIAL SYSTEM



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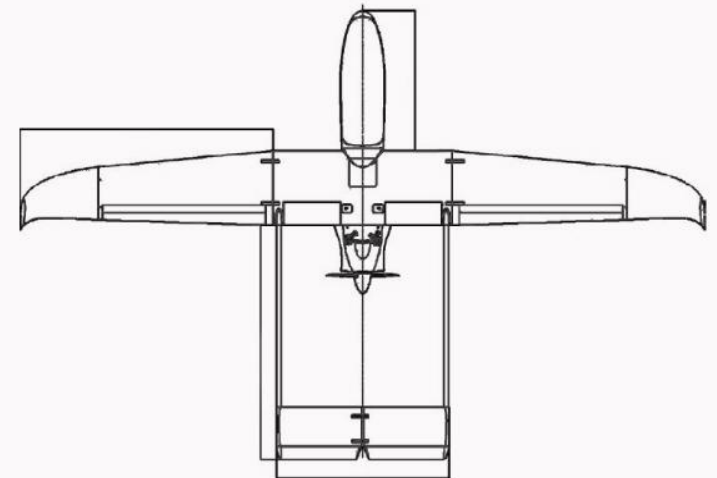
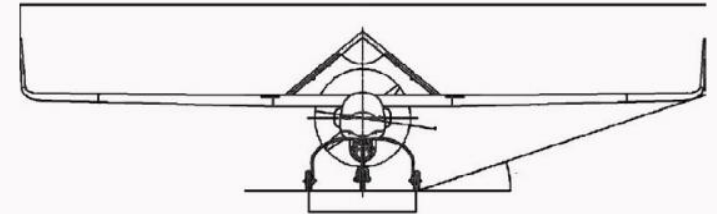
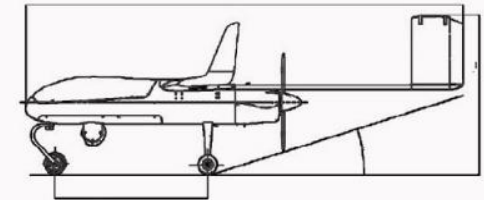







PD-2 is a multipurpose modular fixed-wing UAS with a wide range of options and payloads to fit any mission and operational environment. PD-2 is a conceptually new product obtained through a large list of innovations and upgrades based on the long-term operation history (more than 10,000 flight hours) of the previous flagship UAS PD-1

Almost all components and modes of the unmanned aerial system were modernized




FEATURES



-  **LENGTH**
2,85 m
-  **WINGSPAN**
5 m
-  **TAKEOFF**
Runway, catapult, vertical
-  **LANDING**
Runway, parachute, vertical
-  **MAX FLIGHT TIME**
Up to 10 h

-  **MAX DATA AND TELEMETRY LINK**
100+ km
-  **LIVE FULL HD VIDEO CHANNEL**
100+ km
-  **CRUISE SPEED**
100 km/h
-  **NAVIGATION**
GNSS, inertial navigation unit
-  **VIDEO CHANNEL**
Encrypted

-  **ENGINE**
Reliable 4-stroke
-  **MAX. TAKEOFF WEIGHT**
55 kg
-  **PAYLOAD**
20 kg
-  **FLIGHT ALTITUDE**
Up to 5,5 km

EO/IR PAYLOADS



Advanced Aerial Surveillance System consists of encrypted long-range Full HD video downlink control station. In addition, it allows to stream Full HD video from PD-2 UAS to multiple video receivers in a range of 100+ km

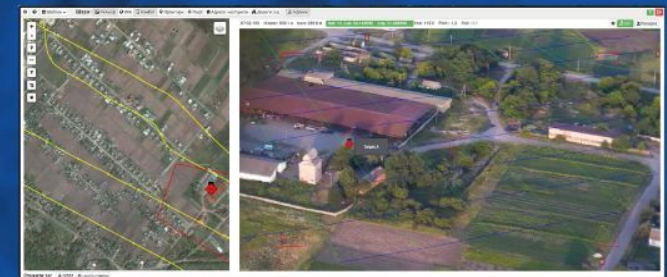
- Full HD day-view camera with 30x optical zoom
- High-performance thermal camera
- Real-time video processing
- 100 km Full HD video downlink
- Geo reference



Full HD day-view camera with 30x optical zoom and high-performance thermal camera allows to detect and track targets on long distances



Video processing package with digital video stabilization, target tracking and scene lock



Data acquisition package with augmented reality, coordinates detection, NATO standard target marks and much more other great features. It is a perfect solution for search and rescue, military and border control applications

FEATURES

ENGINE

Reliable 4-stroke engine for 10 hours endurance. Electronic fuel injection upgrade is available for maximum endurance (up to 30% fuel economy)

ON-BOARD STARTER GENERATOR

Remote engine, an automatic engine in flight, 300W on-board generator. All in one compact package

FUEL TANK

12 liters fuel tank. Maximum fuel reserve for maximum autonomy



MODULAR DESIGN

Flight preparation in less than 10 minutes. 5 meters wingspan options launch

CATAPULT / CAR TOP LAUNCH / TROLLEY START

Allows to launch UAV from nearly any unprepared location. Car top launch is also available

PARACHUTE RECOVERY

Landing has never been so easy. All landing procedures are done in automatic mode. Parachute or runway landing is fully controlled by flight controller



**SPETS
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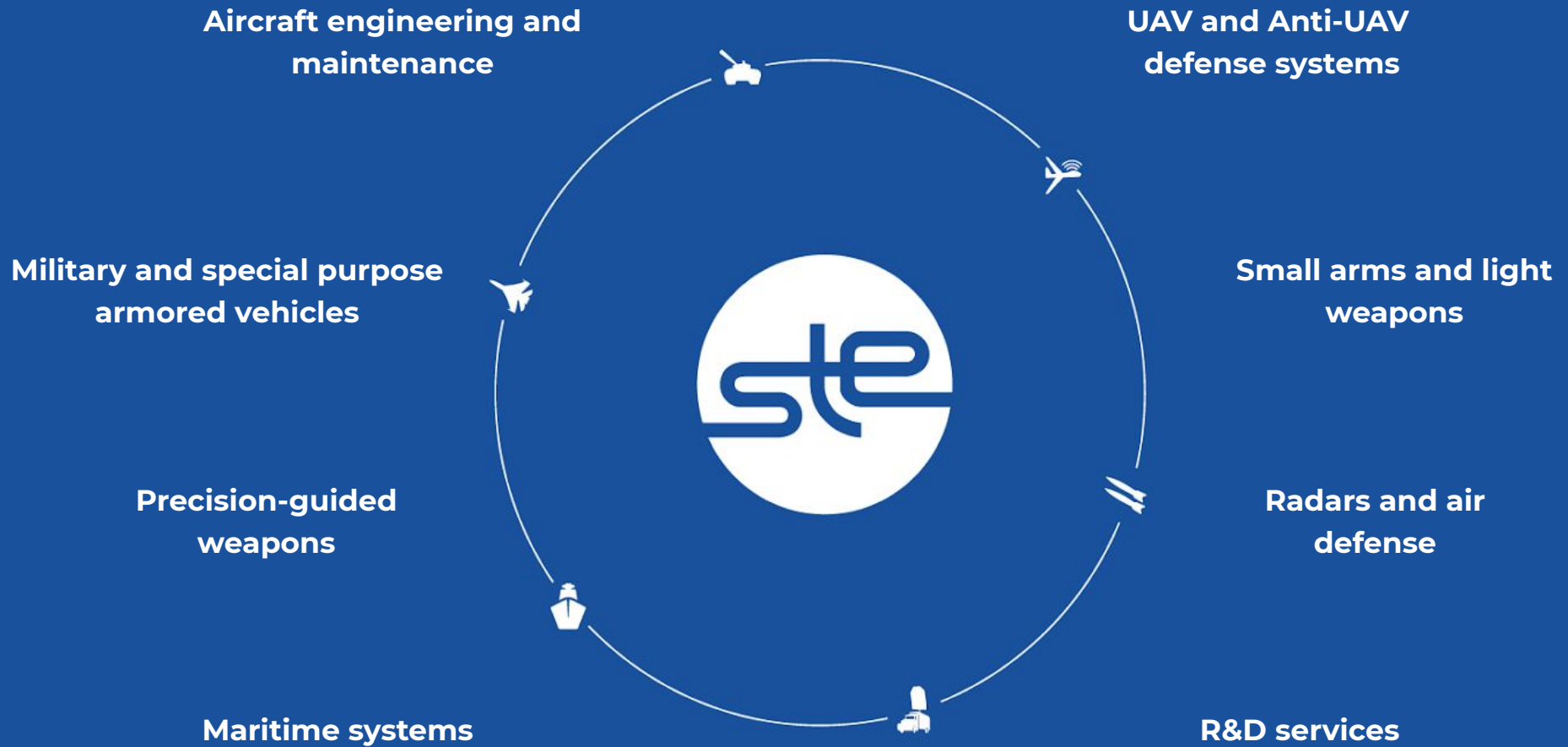
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OUR EXPERTISE





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