



Alpha Multi-Purpose Target Acquisition Platform

System:

- 2 Alpha UAV Helicopters
- 1 Alpha GCase Duo Ground Control Station
- 1 Alpha GTrack Antenna
- 2 Spares and tool kit sets

What you need for critical decision-making:

Alpha 800 tactical unmanned aerial platform provides comprehensive, real-time situational awareness for a broad range of missions. Designed for applications in tactical environments, it allows the detection, identification, classification and neutralization of conventional and non-conventional threats. The integration of a comprehensive suite of payloads, remote-controlled by a wide set of ground control solutions, gives mission commanders a true operational advantage.

Designed for surveillance and target acquisition:

The Alpha 800, a medium range aerial platform, is man-portable. It is optimized for the all-weather detection of surface targets - personnel and vehicles. Precise data on the target is provided to the Battlefield Management Systems (BMS), including UTM coordinates, distance and bearing.





Military field missions and applications

Alpha 800 tactical unmanned aerial platform can be used as a forward observation post, as well as for military and cavalry unit reconnaissance. It can be used by wheeled and tracked combat vehicles with general-purpose machine guns employed in an indirect fire role, with medium and heavy mortars, as well as with heavy caliber artillery pieces (e.g. 155/52. Etc).

Missions associated with the functions of Infantry and Cavalry:

- Battlefield surveillance
- Target acquisition
- Flank surveillance
- Ambush detection
- Early warning
- Enemy force composition information
- Artillery forward observer, providing correction data for friendly artillery fire

Alpha 800 tactical unmanned aerial platform features are crucial for harsh battlefield conditions, and of great importance for security force operations.

Operational characteristics

- Cruise speed: 55 kph
- Endurance: Up to 3 hours
- Ceiling: 3.000 m
- Take-off weight: 14 kg
- Payload capacity: Up to 3 kg
- Up to 50 km range
- GPS denied navigation
- Single cylinder two-stroke petrol engine
- Environmental conditions:
 - Temp: -5 C° to 45 C°
 - Dust, rain, snow.
- Easy to use, lightweight and portable
- Rapid deployment and recovery
- Rugged and able to operate in adverse environments
- Payloads:
 - EO/IR
 - Gyro stabilized
 - Geo referenced
 - LiDAR, infrared or multispectral
 - Radio relay
 - Laser altimeter
 - Transponder