

Courtesy of Canadian Forces



## SPERWER TACTICAL UAV

*The key to successful UAV missions*

- Multi-payload
- Multi-mission



**Sagem Défense Sécurité**  
SAFRAN Group



# SPERWER TACTICAL UAV

*The key to successful UAV missions*

## The reference Tactical UAV in Europe

The modular SPERWER system includes a Ground Control Station (GCS) for flight control and mission analysis, a Ground Data Terminal (GDT) housing the digital radio-link terminal, a catapult launcher and air vehicles.

Like the other SPERWER aircraft versions (the long endurance and the highly survivable «slow fast», in partnership with Dassault Aviation), this standard air vehicle shares the SPERWER system approach: advanced avionics,

catapult launch, 15 GHz data links and interoperable ground station. This design approach has made SPERWER the leader in Tactical UAV systems. The SPERWER Unmanned Air Vehicle is the most ordered UAV in Europe.

The SPERWER system is multi UAV capable: the air vehicle can be controlled simultaneously with any other one by the same mobile Ground Control Station (GCS). The GCS is provided with state-of-the-art technologies such as 3D mission planning, C4I connection, as well as a complete Geographical Information System. The GCS can be sheltered on all terrain vehicle.

## The state-of-the-art Tactical UAV

### Safe and Airworthy design

- Fail-safe design and certified (based on JAR-VLA)
- Fully automated take-off and landing: no runway nor road required
- Advanced digital avionics suite
- Digital J Band (15 GHz) data link
- Transponder/IFF mode 3C and VHF relay to ATC

### Tactical capacity

- High mobility: the system can be integrated on trucks
- Operation from unprepared areas: catapult launch and parachute recovery with airbags
- Real time, day and night operations
- C4I connection and interoperability

### Multi-payload capacity

- EO/IR
- SAR
- Transmission relay
- EW (ELINT, COMINT)

### Multi-mission capacity

- Real time ISTAR
- Targeting (first round strike artillery accuracy)
- Endurance: 6 + hours
- 2 UAVs in flight from a single GCS
- Hand over capability between several GCS



## Technical characteristics

- 2-stroke engines: 65 HP
- Overall length: 3,5 m
- Wing span: 4,2 m
- Ceiling: 15,000 ft
- Speed: 90 kts
- Data link range: 200 km
- Payload capacity: 50 kg



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