

ELECTRONICS & DEFENSE



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**PATROLLER™ UAS**

No place to hide



# SAFRAN PATROLLER™ UAS

THE EXPERIENCE OF A WORLD LEADER  
IN AEROSPACE, ELECTRONICS AND DEFENSE



## PATROLLER™ IS SAFRAN'S 3<sup>RD</sup> GENERATION UAS

- Based on a high technological expertise in inertial navigation, optronics, flight control integrated software and embedded electronics.

**1<sup>ST</sup> IN EUROPE**

 in **TACTICAL UAS**

 in **NAVIGATION SYSTEMS**

 in **OPTRONICS**

**SAFRAN'S  
LEGACY UAS:  
SPERWER**

- 6 NATO/ European customers
- Operated during **9 years in Afghanistan** with **3 customers.**

## AIRWORTHY, SAFE AND CERTIFIED

### SAFRAN ACCREDITATIONS FOR UAS

- EMAR 21J for the **design**
- EMAR 21G for the **production**
- EMAR 145 for the **maintenance**
- EMAR 147 for the **training**


### AIRWORTHINESS

Patroller complies with NATO **STANAG 4671 airworthiness standard**, allowing flight over densely populated areas.

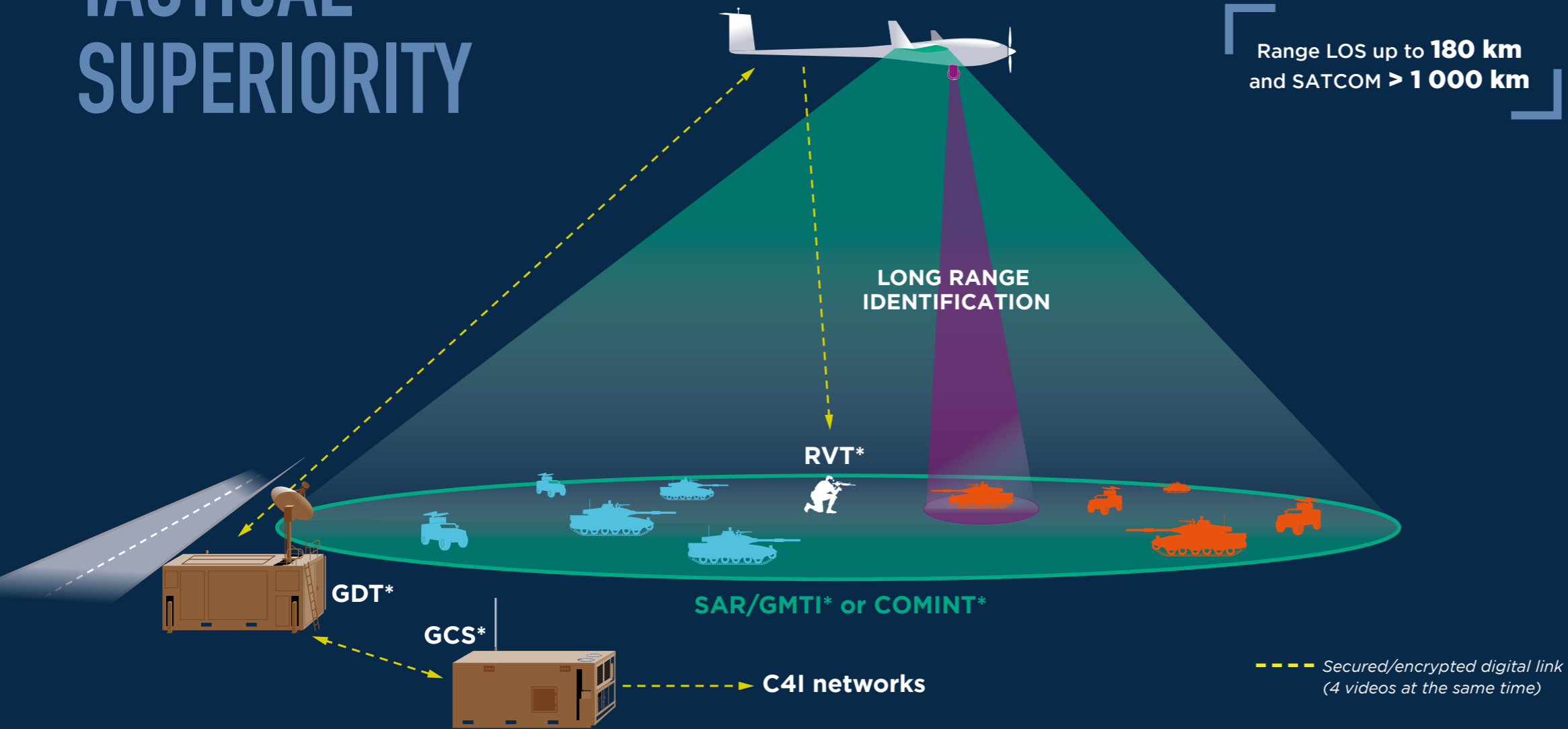
### CYBERSECURITY

Patroller embeds advanced provisions against cyber attacks and intrusions.



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- The image shows a white unmanned aircraft (UAV) on a paved runway. In the foreground, there are two large, brown, rectangular ground control units. The unit on the right has a large, circular, parabolic antenna mounted on a tall pole. The unit on the left has a smaller antenna. The runway is surrounded by a field of low-lying vegetation and a forest in the background.
- ▶ **ENDURANCE > 15 HOURS**
  - ▶ **PAYLOAD 210 KG**
  - ▶ **CEILING > 16,000 FEET**
  - ▶ **AUTOMATIC TAKE OFF AND LANDING**

# TACTICAL SUPERIORITY



# INTELLIGENCE

**Wide range detection**  
with SAR/GMTI and EW/COMINT\*  
underwing sensors

## Long range observation and identification with Euroflir™ 410 multispectral sensor

## Low detectability

Identify without being detected

## TARGET ACQUISITION, DESIGNATION AND ENGAGEMENT

Accurate localization of targets

Laser designation for weapon guidance

## Time sensitive targets engagement with laser guided rockets

## GROUND FORCES SUPPORT

**Fully integrated in C4I networks**  
**NATO standards interoperability**  
**RVT (Remote Video Terminal)**  
**Battle Damage Assessment**

\*GCS: Ground Control Station / \*GDT: Ground Data Terminal / \*RVT: Remote Video Terminal / \*SAR: Synthetic Aperture Radar  
\*GMTI: Ground Moving Target Indication / \*EW: Electronic Warfare / \*COMINT: Communication Intelligence

ACQUIRED BY  
THE FRENCH FORCES



# TACTICAL FEATURES

## LIGHT LOGISTIC FOOTPRINT




- 
 > Easy transportation in 20 feet ISO interface containers
- 
 > First flight in 4 hours
- 
 > Reduced crew down to 5 operators
- 
 > Take-off and landing on semi prepared strips
- 
 > Low maintenance workload
- 
 > Robust design for harsh conditions



# GROUND CONTROL STATION

## USER FRIENDLY OPERATIONS

The GCS layout provides user-friendly and Intuitive interfaces to control the UAV, manage the payloads and process mission data. The workstations architecture allows an optimal workshare for the crew.




### FUNCTIONS

- ▶ Mission preparation
- ▶ Mission supervision
- ▶ Mission data processing and dissemination
- ▶ Flight mission recording and replay
- ▶ Training simulator



### SPECIAL FEATURES

- ▶ 4K 32" screens, touch sensitive panels
- ▶ Multi-sensors management
- ▶ Power supply redundancy



### GENERIC OPERATORS WORKSTATIONS

- ▶ Mission Commander
- ▶ Remote Pilot
- ▶ Payload(s) Operator(s)
- ▶ Mission Data Analyst (option)



# CUSTOMER SUPPORT

## A COMPANY IS ONLY AS GOOD AS ITS SERVICE

Safran combines first-class quality service with personalized support across the Patroller full life-cycle.

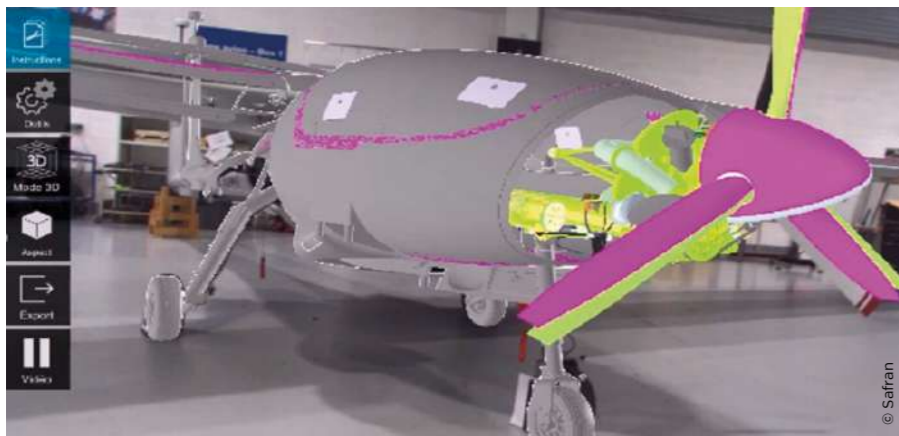
### TRAINING

On-Site operation and maintenance training. Embedded and comprehensive operator simulator (UAV control and sensors).



### 4.0 MAINTENANCE

Cost-efficient maintenance concept supported by patented Safran AI technologies.



# MY E&D SERVICES

Safran Electronics & Defense offers special access to a full range of customer support services via an online portal.

### ONLINE CONTRACT MANAGEMENT

- Full online access to your repair status, contract information technical documentation

### CYBER-SECURED ONLINE PLATFORM

- Data sharing and documents transfer

### HELPDESK AND TICKETING

- 24/7 access to Safran Service Managers



If you have any other questions or if you would like our assistance, please contact us by email.

We look forward to hearing from you.

Your Safran Support Team.



Email:  
[contact-defense@safrangroup.com](mailto:contact-defense@safrangroup.com)



SafranDefense



@SafranElecDef

# MULTI-MISSIONS AND VERSATILE

Thanks to its modular architecture, airworthiness certification and its ability to fly in the civilian airspace, Patroller™ can also perform maritime surveillance and homeland security missions.



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# POWERED BY TRUST

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Scan for the website



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