



Vessel



Helicopter

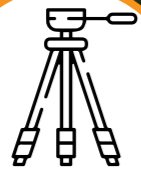


Vehicle

**MOUNTING
OPTIONS**



Building



Portable

FALCON 4G

**LONG-RANGE ACTIVE STAND-OFF
CHEMICAL DETECTOR**

CHALLENGING ENVIRONMENTS
AND WEATHER CONDITIONS?

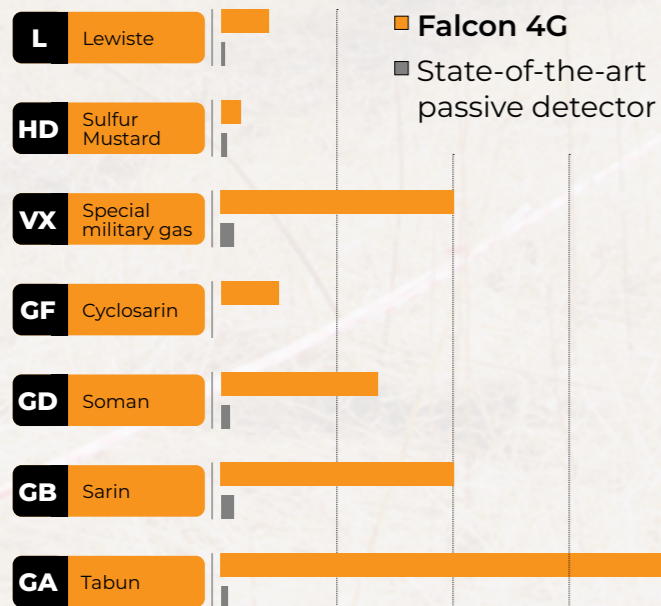
LOW VAPOR CONCENTRATIONS?

DISTANCES OVER 5 KM?

PERFECT!

SENSITIVITY COMPARISON

Significantly better sensitivity than state-of-the-art passive detectors (1/sensitivity threshold)



+ More chemicals available in the database and even more can be added on demand.

FALCON 4G
**LONG-RANGE ACTIVE STAND-OFF
CHEMICAL DETECTOR**

LET'S DETECT TOGETHER!

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FALCON 4G

4th generation active stand-off detector based on eye-safe and undetectable laser technology

CHEM (CWA, TIC)

- Detection**
- Identification**
- Quantification**

- + Up to 6 km
- + Best sensitivity on the market
- + Distance to the cloud without triangulation
- + Independent of the background temperature
- + MIL standards

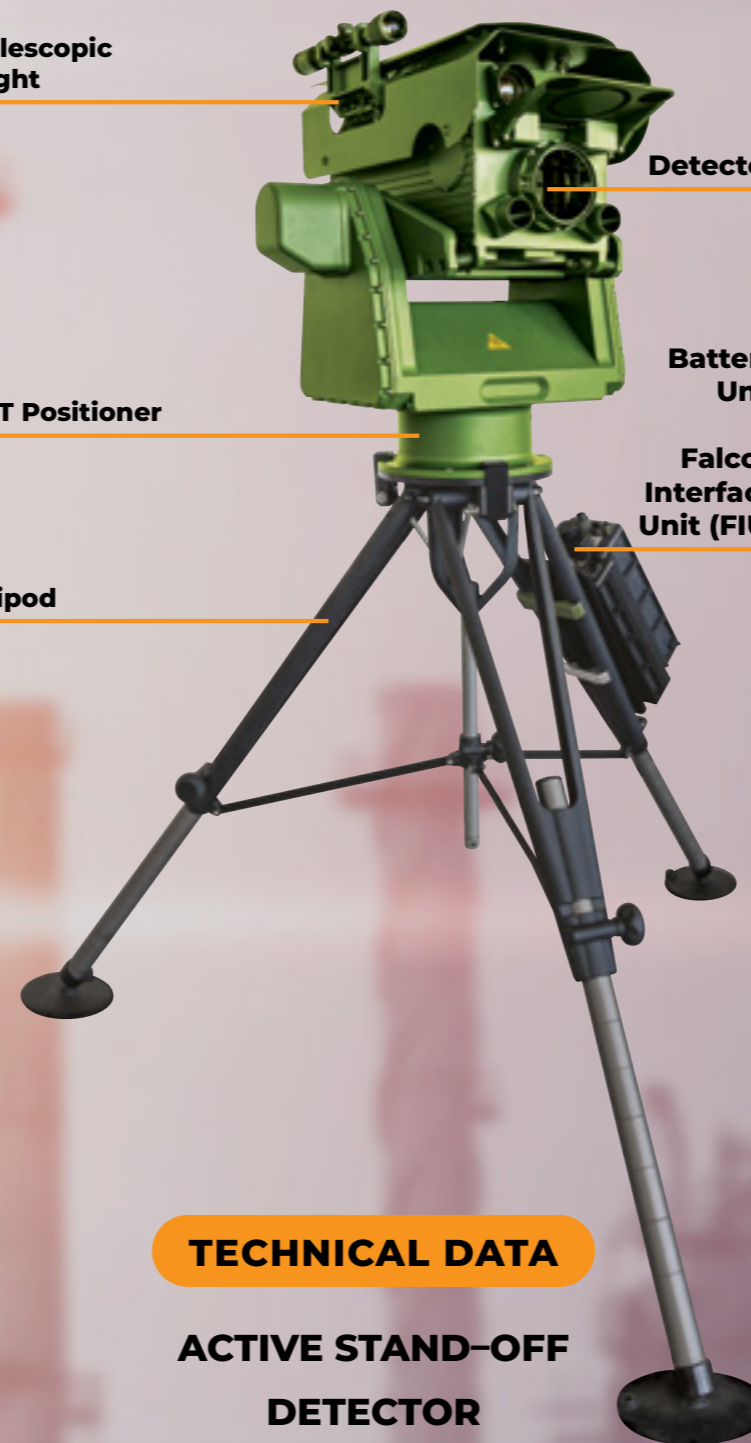
Telescopic Sight

P/T Positioner

Tripod

Detector

Battery Unit + Falcon Interface Unit (FIU)



TECHNICAL DATA

ACTIVE STAND-OFF DETECTOR

Wavelength **9.2 – 10.78 μ m**

FoV **1 mRad**

Weight **28 kg**

Battery operated **25 W**

No calibration needed

FALCON 4G

LONG-RANGE ACTIVE STAND-OFF CHEMICAL DETECTOR

Falcon 4G succeeded in challenging environments

- + Hot Desert
- + Harsh Winter
- + High Humidity
- + Marine Conditions

TESTED WITH REAL CWA!

Tested & Demonstrated

- + TNO, The Netherlands
- + VVÚ (Military Research Institute), The Czech Republic
- + DEVCOM CBC (USA)
- + CBOA DTRA (USA)
- + AEWE (USA)
- + The Slovak Armed Forces
- + Multiple end-users around the globe

