



## **MINI INGRID GAP FILLER SURVEILLANCE RADAR**

The Mini Ingrid Gap Filler Surveillance Radar utilises our extensive experience in producing Surface Movement Radar (SMR) and proven record of integrating systems for airport ground traffic management.

Through participation with European surveillance projects like SOBCAH (Surveillance of Borders and Harbours) and HPT7 (Harbour Protection Trial '07), we have designed and developed the Mini INGRID, a small, low power surveillance radar. Mini Ingrid has been successfully tested for the control of narrow areas and integrated within larger surveillance and control systems.

Mini INGRID is the optimal solution as a Gap Filler in airport surface movement control systems. It can be integrated with other radar to provide complete coverage and can be positioned according to requirements. Further to this, the low power emissions do not create a hazard to human activities with emission levels lower than those of a mobile phone.

Mini INGRID can be connected with a wireless link to the main SMR system.

### **APPLICATIONS**

- Gap Filler/narrow water surveillance systems
- Homeland security
- Border surveillance (land and sea)
- Harbour protection.

### **KEY FEATURES**

- Compact and lightweight
- Easy to install
  - Easy to use interface
  - Low cost
- Low power requirements due to the low voltage of radiation units
- Very low transmitted peak power
- Range coverage 1000 m
- Azimuth coverage 360°
- Standard and flexible interfaces
- Weight <15 Kg (transceiver and platform).

## Mini INGRID - Gap Filler Surveillance Radar

The Mini INGRID Radar is a Ka Band, fully solid state sensor, designed as a Gap Filler in narrow water scenarios. It is composed of two compact and lightweight units:

- Antenna and RTX Unit
- Extractor Tracker Unit

Video signal is processed by the dedicated Extractor Tracker Unit to carry out raw video mapping and automatic target position tracking. Extracted data and raw video information are then sent through a LAN interface, allowing remote control of the radar.

### PERFORMANCE

The RTX Unit, which is installed on the 60 rpm rotating platform, has a very low transmitted peak power obtained by using a narrow TX pulse. The system software package provides the following capabilities:

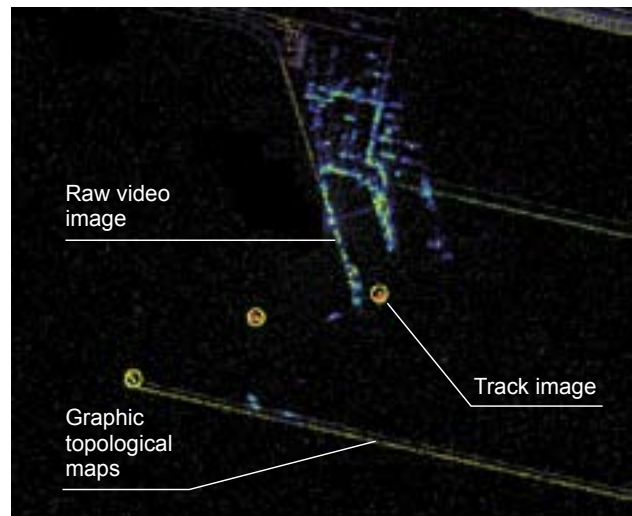
- Raw video mapping
- Plots presentation
- Tracks presentation
- Raw /processed video plots and tracks can be simultaneously represented
- Sensor presentation set up.



Mini INGRID Radar Unit and basement.



Extractor Tracker Unit



Traces, plots and processed raw video presentation.

For more information please email [sales.marketing@selexgalileo.com](mailto:sales.marketing@selexgalileo.com)

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