

Giasone ARGO

GNSS SIGNAL MONITORING

Intecs, founded in 1974, is an Italian private Company at the forefront in the design and implementation of high-tech electronic systems for the AeroSpace, Defence, Transport and Automotive markets, where safety, reliability, innovation and quality are the key ingredients for success.

Intecs designs and develops products, applications, tools and software components for complex electronic systems in cooperation with major European and Italian Industries, Organizations, Universities and Research Centers.



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ARGO

ARGO is a GNSS Signal Monitoring system based on radio frequency technology for:

- the evaluation of QoS and integrity of GNSS;
- the detection and classification of interferences.

ARGO has been designed to be modular, scalable, and compact, ensuring easy transportation, installation, and integration with additional sensors and higher-level command and control systems.

ARGO has been conceived for safety-critical applications in aeronautical contexts.



ARGO Equipment

ARGO is composed of a Multi Frequency Multi Constellation (MFMC) choke-ring antenna and a processing unit based on Software Defined Radio (SDR) technology.

SDR approach allows to match high performance and reliability characteristics with high level of configurability, flexibility and update capabilities.



Argo Key Points

- ☐ Modular architecture
- ☐ High level of configurability and flexibility
- ☐ High portability
- ☐ Easy update
- ☐ User friendly interface based on web technology



SENSOR DATA SHEET

GNSS CONSTELLATIONS

GPS, GALILEO, BEIDOU, GLONASS

MONITORING BANDS

L1/E1 – L2 – L5/E5

OPERATING TEMPERATURE

0 – 60 °C (processing unit)

-55 – 85 °C (antenna)

STORAGE TEMPERATURE

-40 – 85 °C

OPERATING HUMIDITY

10 – 90 %

NOT OPERATING HUMIDITY

5 – 95 %

POWER

80 – 264 V_{AC}

DIMENSIONS

320 x 220 x 87 mm (processing unit)

373 x 373 x 388 mm (antenna)

WEIGHT

< 10 kg



Argo GNSS Monitoring Services

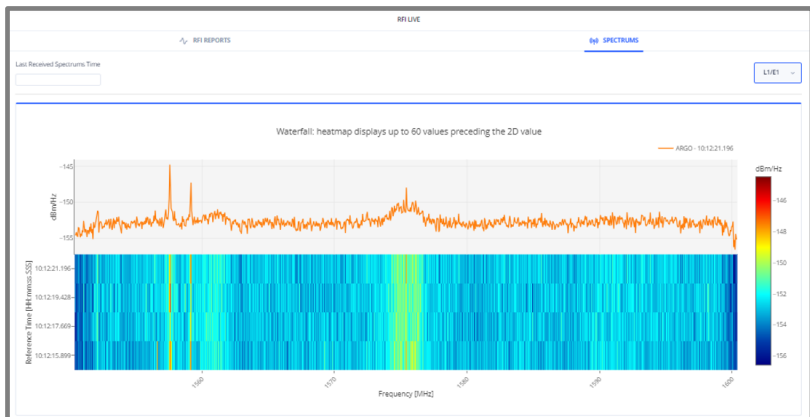
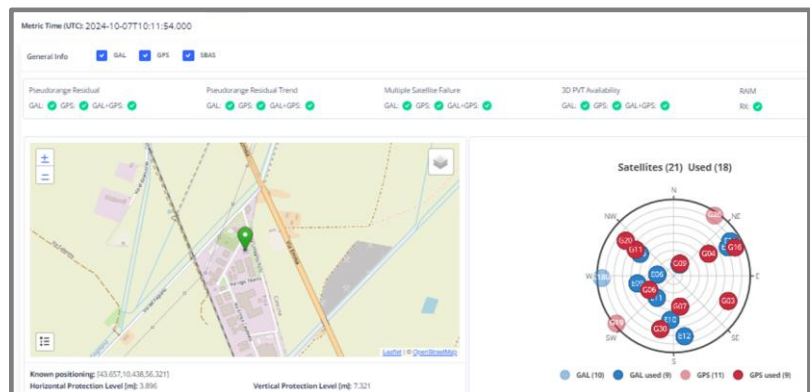
- ☐ Local monitoring of GNSS positioning
- ☐ GNSS spectrum monitoring
- ☐ RFI detection, and classification
- ☐ HW-SW Auto Diagnostic
- ☐ Timely warning emission
- ☐ Recording & Playback



Argo Web User Application (WUA)

The WUA is the Graphical User Interface of ARGO system and provides the operator with:

- ☐ Real time view of GNSS metrics for the evaluation of QoS
- ☐ Real time view of the RF spectrum
- ☐ Real time view of warning status



CONTACTS



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