

The Honeywell Global Tracking MEOLUT Advantage



The first Honeywell Global Tracking MEOLUT was introduced to the market in 2005, and the company has since deployed 6 continuously operational MEOLUTs worldwide, complete with professional worldwide 24/7 service support. This document highlights some of the real-world advantages of choosing Honeywell Global Tracking as your MEOLUT solution provider – a company with state-of-the-art technology, unmatched experience, and truly global reach.

Tracking Capabilities

- L-Band Galileo/DASS/Glonass satellites: ready for the future
- S-Band DASS satellites
- Tracking plan generation to optimize coverage area
- Track and scan option to maximize satellite diversity
- Scalable number of antennas, plug and play expansion
- Full hemisphere tracking
- Automatic satellite ephemeris retrieval for Galileo/DASS/Glonass satellites

Status Monitoring

- Continuous monitoring and reporting of all subsystems
- Automatic warning and alarm generation for system faults
- Interface to integrate status monitoring into external applications

Measurement Accuracy

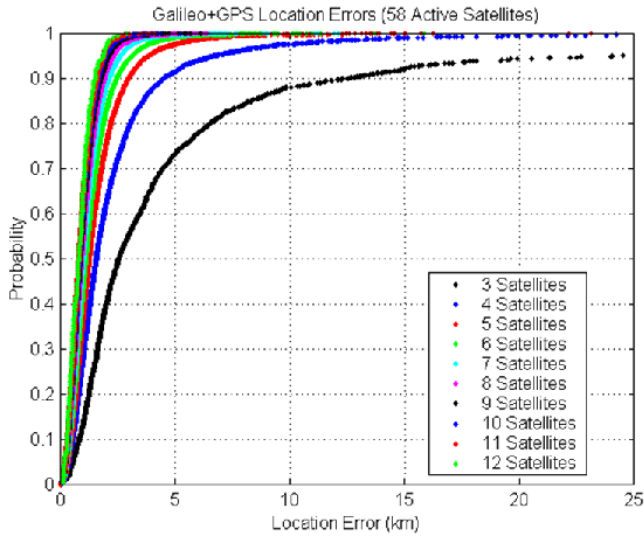
- Measurements obtained on both DASS S-Band and Glonass L-Band satellites
- FOA accuracy better than 0.3 Hz (1 sigma)
- TOA accuracy better than 20 μ s (1 sigma)

Processing Time

- The time from beacon transmission to detection and decoding on an HGT MEOLUT is less than 3 seconds.
- The processing of locations and generation of alerts is less than 5 seconds.

Localisation and Alerting

- Single burst localization
- Multiple burst combination for improved localization
- Optional combined MEO-GEO processing
- Ready for automatic generation and distribution of SIT located/unlocated alerts to MCCs
- Location accuracy limits:



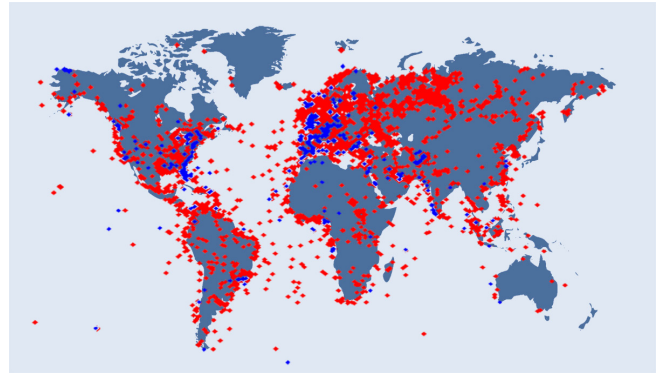
Results demonstrated in the COSPAS-SARSAT MEOSAR international tests INT-001 to INT-009

Standalone and Network Capable

- Full implementation of C/S specification for TOA/FOA measurement exchange between MEOLUTs using the TOA/FOA server
- Supports use of node forwarding and/or direct transfer of TOA/FOA measurements
- Supports XML and CSV format messages
- Highly reliable system currently in continuous real-time operation in 5 countries worldwide
- Supports unlimited geographic distribution of antennas for national MEOLUT operational capabilities

Coverage Area

- Worldwide coverage of unique 406 MHz beacon locations acquired by the system over a 3-month period:



MEOLUTs from Honeywell Global Tracking are part of a solution that can easily be scaled up as the number of available MEOSAR satellites increases. Leveraging the international community of networked MEOLUTs leads to increased reliability and accuracy worldwide.



For more information:

www.gt.honeywell.com

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