OHB Austria

Short Profile
January, 2026

OHB SE

MOTHER COMPANY

- Located in Bremen, Germany
- Founded in 1981 with only 5 employees
- Currently more than 3.000 professionals worldwide
- Annual revenue of over 1 billion €
- Top 3 Space Companies in Europe and Top 1 in Germany
- OHB SE is divided into three business segments:

OHB Austria

We.Create.Space.

FACTS

- Founded in 1999 as a spin-off of TU Graz
- Located in Graz and Vienna, AT
- Expert know-how in the field of GNSS quality assurance, GNSS signal processing, precise positioning, and reliable navigation
- Has already introduced specific products/solutions to the market

KEY PRODUCT FAMILIES

- **GNSS Signal Simulation**
  - XPLORA a GNSS testing solution
- **GNSS Quality Assurance**
  - GIDAS a GNSS interference detection and analysis solution
- **Consultancy Services**
  - Leverage GNSS expertise

R&D

- **Involved in more than 100 research projects**
  - European Space Agency (ESA)
  - Horizon 2020 / Horizon Europe
  - Austrian Space Applications Programme (ASAP)
  - Programme of the Austrian Research Promotion Agency (FFG)
  - European Defence Fund (EDF)

XPLORA CORE

GNSS SIGNAL SIMULATION SOFTWARE

- **Flexibility and Adjustability:**
  - Highly flexible and repeatable user-defined scenarios
  - Parameters can be adjusted down to the smallest detail
- **Realistic Signal Modeling:**
  - Signal propagation delay, timing drift, multipath effect, etc.
- **Comprehensive Frequency Coverage:**
  - Covers all civil GNSS frequency bands
- **Additional Features:**
  - Jamming and Spoofing interferences
  - Arbitrary constellations and signals
  - Spaceborne Receivers
  - Higher-than-nominal receiver dynamics (>600m/s) for rockets, missiles, etc.
  - A stand-alone web service that allows route planning for road traffic based on Google and TomTom routing APIs

XPLORA One / XPLORA Pro

BUNDLES: XPLORA Core + Hardware

- Bundled with a COTS signal generator for non-real-time simulation
- Available in 1 or 2 RF outputs with different bandwidths
- Sustains all XPLORA Core features in non-real-time, meaning that the GNSS scenario must be created in advance, for later replay
- Requires external COTS-Laptop/PC
- Small, lightweight, and portable

The cost-optimized solution for general GNSS signal simulation

XPLORA One (XPLORA Core + COTS Hardware)

- Bundled with premium IZT's rack-mountable signal generator
- Available in 1 or 2 RF outputs
- Includes a high-end processor, monitor, keyboard, and mouse
- Sustains all XPLORA Core features in real-time
- Enables HIL setup

The perfect solution for highly sensitive professional applications

XPLORA Pro (XPLORA Core + Premium Hardware)

MILITARY FORCES

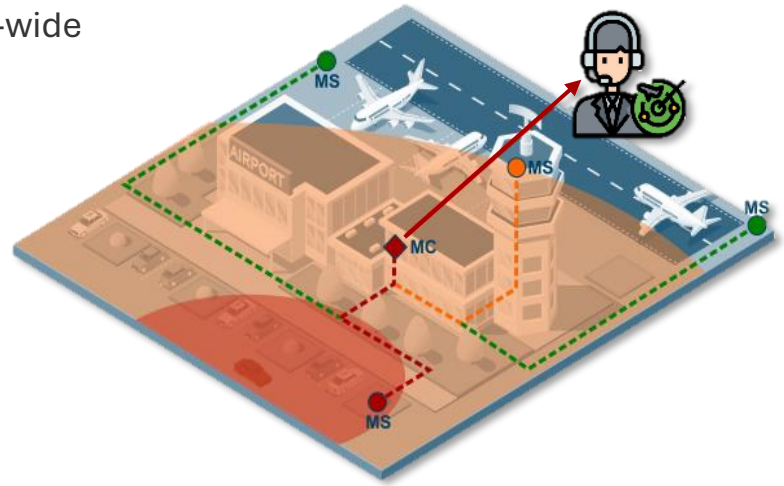
GNSS INTERFERENCE IN WARFARE

GIDAS Stationary

THE FIXED STATIONARY VERSION OF GIDAS

- **Monitoring Sensor**
  - Monitors the GNSS environment in real-time, collecting all relevant signal information
  - Detects Jamming and Spoofing with < 3s latency
  - Transmits data via local LAN or fiber optics network

- **Monitoring Center**
  - Where the data received by the sensors is being stored and processed
  - Local or nation-wide



THANK YOU!

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