

# StellaNGC Scenario Replayer

**StellaNGC** is a fully customizable and upgradable software suite which supports GNSS tests and measurements needs throughout the design cycle, from prototyping to manufacturing.

**StellaNGC Scenario Replayer** is an affordable solution for replaying customized GNSS scenario.

**StellaNGC Scenario Replayer** is an integrated solution to test GNSS device connectivity and positioning capability for manufacturing applications.



Predefined Scenario



PLAY ▶

GNSS  
Device



## End of Line Testing

Parallel testing in manufacturing chain

## Compliance Verification

Test your system according to standard requirements

## Re-Use of Existing Database

Re-use of existing database to increase efficiency

# StellaNGC Scenario Replayer

## Key Features

### Scenario Library for Representative GNSS Tests

- Extensive Scenario Description
- Reference Receiver Data for Validation

### Easy-to-Use HMI

- Ergonomic Graphical User Interface
- Application Programming Interface through TCP commands
- Monitoring widgets (Maps, Spectrum, Artificial horizon)

### GNSS Signal Generator

- Support for different RF targets: from high-grade (VST 1st and 2nd generation) to entry-level (USRP-RIO)

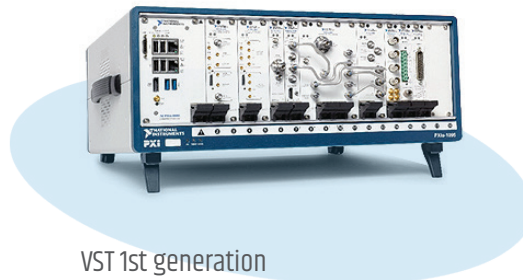
# StellaNGC Scenario Replayer Performances

- ✓ Motion Refresh Rate on RF signal : up to 1 kHz
- ✓ Accuracy
  - Pseudo-range : 1.5 mm
  - Pseudo-range rate : 0.3 mm/s
  - Frequency (@L1) : < 10 Hz
  - Interchannel bias : null
- ✓ Mobile Trajectory
  - Height : 50 km max
  - Velocity : 1750 000 m/s max
  - Velocity resolution : 0.01 m/s
  - Acceleration : 4576 m/s<sup>2</sup> max
  - Acceleration resolution : 0.01 m/s<sup>2</sup>

## StellaNGC Hardware Platforms



VST 2nd generation



VST 1st generation



USRP-RIO

Modular software :  
« it's all about the layers »

