



DLR Institute Spirent Case Study

The Challenge

The DLR Institute of Space systems in Bremen (DLR is Germany's national research center for aeronautics and space) had a requirement for a GPS simulation platform to support their GPS receiver testing needs. As their required solution would be used by multiple users it had to be easy to use and able to cover a broad range of test requirements without compromising excellent overall performance.

As project timescales had to meet tight deadlines their solution requirement had to hit the ground running. They didn't want to spend valuable time poring over a user manual to learn how to use the equipment, they needed a solution with an intuitive user interface that could be picked up easily by users with different skill levels who didn't want to spend a great deal of time reconfiguring the platform for each required scenario.

The Solution

DLR selected Spirent's GSS7700 platform and accompanying SimGEN software to provide a simulation solution that fit DLR's requirements and more. With SimGEN's scenario definition capability, any user can easily create a scenario for their mission. Even complex missions requiring time synchronization or remotely controlled mission management are easy to setup using numerous options. Almost every aspect of the GPS signal can be customized.

Benefits

The easy to use GSS7700 platform has enabled us to spend a minimum amount of time configuring and running our GPS hardware simulations, allowing more time to be spent testing the system and reducing project timescales. In addition, Spirent has a large user community and excellent customer service to handle any problems or questions that might arise.

Highlights

- SimGEN software is easy to learn and provides numerous simulation possibilities.
- GSS7700 Satellite simulator is simple plug and play hardware.

Customer Quote

"Spirent's GSS7700 and SimGEN GPS simulator is easy to learn and very customizable."

Stephen Steffes, Aerospace Engineer, DLR Bremen

Note The GSS7700 has since been superseded by the GSS8000

Spirent's unrivalled experience and expertise in GNSS simulation ensures accurate results that customers trust and rely on to evaluate their products and applications. Contact us to find out how Spirent solutions can help you.

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