

Newsletter 09/07

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Your visit at ION GNSS 2007

EADS Astrium will display innovative products & solutions at booth No. 818 & 820

The Institute of Navigation Technology will hold its 20th international technical meeting from Sept 25th to Sept 28th at the Fort Worth Convention Centre, Texas.

With more than 260 papers to be presented in 36 technical sessions, ION GNSS is the largest GNSS technology conference & exhibition worldwide.

We kindly invite you to visit EADS Astrium at booth No. 818 & 820. Use the opportunity to get in touch with a company deeply involved in the definition & development of Europe's GALILEO* Project. Inform yourself about EADS Astrium's innovative NSG 5100 Signal Generator. Or get an insight into BayNavTech - a flexible GNSS receiver and signal performance evaluation platform as well as a state-of-the-art GNSS data processing, analysis and performance assessment facility.

See you at ION 2007!



WWW.ION.ORG

GALILEO* single channel Signal Generator ready to market!

EADS Astrium's NSG 5100 GALILEO Signal Generator - available in November 2007

EADS Astrium developed a GNSS signal generator for GALILEO*, GPS, EGNOS, WAAS signals.

The NSG 5100 is a flexible and modular signal generation unit for laboratory & field testing of GNSS equipment as well as for providing GNSS Pseudolite signals.

Product Features include:

- Support of GALILEO* L1, E5ab and E6 (PRS Ready)
- Support of GPS, EGNOS and WAAS signals
- Pulsing of RF signals (RTCM, RTCA, user defined)
- Programmable memory based ranging codes
- Configurable message data rates
- User definable transparent messages
- User friendly GUI



EADS Astrium NSG 5100 Signal Generator

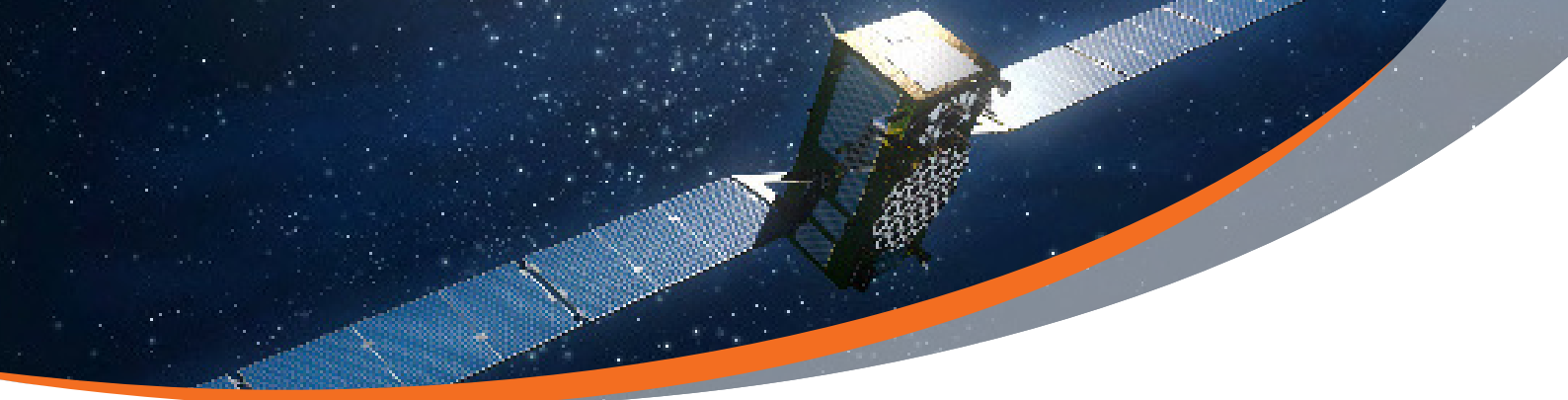
The NSG 5100 empowers navigation equipment manufacturers to get prepared & ready for GALILEO*. This unit will be used to set up GNSS Testbeds worldwide.

For further information visit our website! www.gnss-technology.com

* GALILEO is a trademark of the European Commission and the space program.
GALILEO is a joint initiative of the European Commission and the European Space Agency.

All the space you need





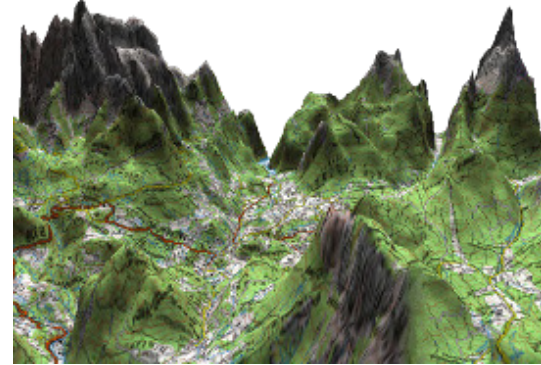
Related projects: The NSG 5100 in practice

The NSG 5100 is the core unit of Germany's GALILEO Testbeds*

GATE - GALILEO* Development & Test Environment

Operational since March 2007 GATE provides a realistic test environment with ground based transmit stations in the area of Berchtesgaden, Germany, years before the European Satellite Navigation System GALILEO* .

Based on the simultaneous broadcast of all GALILEO* Signals by 6 transmit stations, equipment developers have the possibility to develop & test GALILEO*-related hardware.



Berchtesgaden, GATE area

SEA GATE - A maritime GALILEO* Testbed in the Port of Rostock

SEA GATE is a test environment in the port of Rostock for development & testing of maritime GALILEO* applications. SEA GATE is based on 6 transmit stations covering an area of 7km².

With the precise navigation signal generated by EADS Astrium's NSG 5100 Signal Generation Unit, SEA GATE offers a positioning accuracy of 0,5m.

SEA GATE aims at users who wish to develop & test their maritime GALILEO* applications before real satellite signals are available.



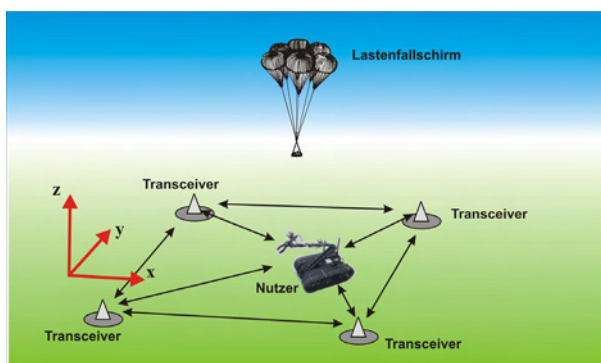
SEA GATE Testbed, Rostock

SekaN - Navigate outside Satellite coverage using an autonomous Navigation environment

SekaN (Self calibrating autonomous Navigation environment) is a publicly financed development project.

The goal was to develop a stand-alone navigation environment for applications where satellite signals are not available or where autonomy and precision is required.

Possible applications include cargo drop, navigation in canyons and open pit-mines as well as indoor or extraterrestrial navigation. The SekaN architecture is based on at least 4 EADS Astrium NSG 5100 Signal Generators, delivering precise GNSS signals. With an accuracy of 20cm, the SekaN Technology will be the basis for a new field of navigation applications.



SekaN Set-Up

