

News Release

FOR IMMEDIATE RELEASE
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Septentrio presents unique GPS receiver with built-in capability to use SISNeT data

Leuven, Belgium – Septentrio, a leading European developer of high-end GNSS receivers is introducing the SISNeT firmware feature of its PolaRx2 receiver. This new feature allows applications built around the PolaRx2 receiver to access the differential corrections and integrity information disseminated by the EGNOS satellites via the Internet even when the signals of these satellites are obstructed, thus drastically improving the performance in the environments with limited visibility of satellites, such as in urban conditions.

The SISNeT is an ESA technology to deliver EGNOS data over the Internet. It takes EGNOS data transmitted by satellites and makes it available to users via a TCP/IP data server. With Septentrio's implementation, any user with Internet access can connect to the SISNeT server and redirect the received data stream towards one of the receiver's communication channels (serial or Ethernet). The receiver does all the required processing of raw SISNeT messages and merges them with the incoming data stream from the signal-in-space. The SISNeT dramatically increases the availability of EGNOS for land-based applications, where the direct signal from low-elevation geostationary satellites can be blocked by local obstructions.

Mr. Felix Toran (SISNeT system manager) says: "Septentrio has made a valuable contribution to the development of SISNeT applications. PolaRx2 is the first commercial receiver to offer SISNeT capability to the community of EGNOS users. SISNeT-capable GPS equipment is needed for the practical use of SISNeT. A much wider range of users will now get access to SISNeT".

Our field tests performed in and around Leuven confirm the expected improvement in urban areas and indicate that the availability of EGNOS-aided solution using only the signal-in-space was only around 10%, while with the use of SISNeT it raises to about 90%.

Septentrio Satellite Navigation NV, designs, manufactures, markets and supports high-end dual-frequency OEM GNSS receivers for demanding professional navigation, positioning and timing applications. Septentrio has an international team of experts in all areas of Satellite Navigation receiver design and applications. For more information about Septentrio, please visit our website at www.septentrio.com.