EuroNet

GNSS Networking Software

The EuroNet software package is able to process multiple GNSS reference stations in a networking mode. The networking can be done in real time or in post processing. The advantages of a reference station network compared to a single reference station solution are the higher system integrity and the homogeneous positioning accuracy across a larger region.

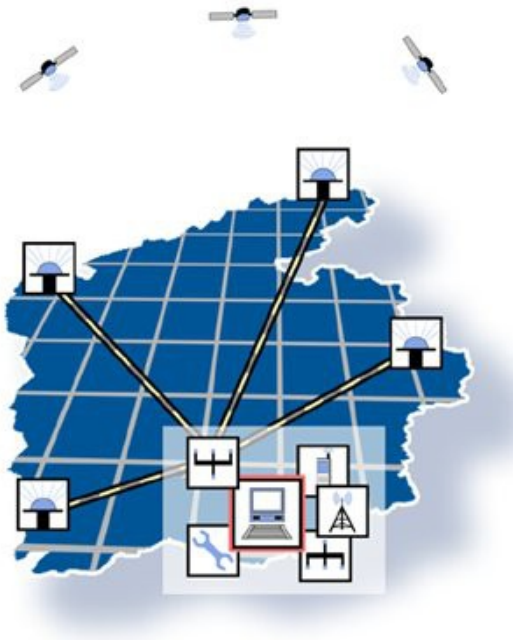
EuroNet can be used as a base DGNSS infrastructure for a whole country. With 10 to 15 GNSS reference stations for a country like Germany it is possible to reach an area-wide positioning accuracy of less than 0.5 m using L1 C/A-code receivers under proper conditions.

Internet technology is the preferred communication link for the networking of the reference stations. Low priced DSL flat rates and the Ntrip transfer protocol are the base factors for an economic operation of a DGNSS service. Alternative communication systems based on the TCP/IP protocol are supported as well.

Data transfer to the end user can be done with Internet technology and the Ntrip protocol or other data links like GSM, UMTS or the radio data channel AMDS. The GNSS corrections are provided in international standard data formats, such as the well-known RTCM.

The benefits of the EuroNet software come from the modular design and the resulting flexibility for special adaptations. Standard protocols like TCP/IP guarantee a high operating system independence. An ANSI-C++ compiler is the minimum system requirement.

Multiple watchdog functions and an effective quality management guarantee the high reliability of the EuroNet software. The monitoring of the system uses a well structured web interface and allows more independence from your working place.



- Flexible and powerful C/A-code DGNSS networking software.
- Generating DGNSS corrections in RTCM format using a network of GNSS reference stations.
- Real-time calculations or post processing (including raw data management).
- Central control of a centralised or decentralised station network.
- Designed for cost-effective and continuous long time operation.
- Automatic station monitoring.
- Monitoring based on a web interface.
- Support of different data formats and interfaces (e.g., Ntrip, GSM, Modem).

PROJECT PART-FINANCED BY
THE EUROPEAN REGIONAL
DEVELOPMENT FUND

Alberding GmbH
Schmiedestraße 2
15745 Wildau
Germany

phone: +49 (0) 3375 / 52 50 370
fax: +49 (0) 3375 / 52 50 377
www: http://www.alberding.eu/
e-mail: info@alberding.eu

Ntrip Caster service:
server: ntrip.dgpsonline.eu
port: 2101
access: on request

2015-02-09