THE FUTURE OF TELEMATIC SERVICES FOR ITALIAN SURVEYORS

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GRDNet (GNSS R&D Network), is an advanced GNSS Augmentation Network RTK Infrastructure able to provide RTK correction services based on MRS (Multi-Reference Station)/VRS (Virtual Reference Station) techniques and to integrate any kind of Reference Receiver.
A Software Defined Radio single frequency real-time GNSS receiver, whose hardware component is reduced to the simple sampler, while all the signal processing is performed via software on a program running on a PC or a Tablet.
The Architecture for the Test

- **SDR Reference Station**: SDR on a PC feeding the GRDNet Control Center for NTRIP corrections delivery in RTCM format
- **Rover Receiver**: SDR on a Tablet

![Diagram of SDR architecture](image)

**Total SDR High Precision Results**

![SDR data](image)

**SDR Single Frequency Reference Station**

**SDR Single Frequency Rover**

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**Platinum Partners:**

- Trimble

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GEOPOI® (Geocoding Point Of Interest) is a Web Community Cartographic Framework, for the intensive exploitation of the location data devoted to the design of Land Administration activities and to the Business and Location Intelligence
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