



GIS editing directly in the field!

Mobility traditionally brings to mind a sometimes-connected laptop in the cab of the truck. Today, it means an always-connected handheld mobile computer on their belt. Mobile field workers are starting to realize the benefits of more powerful mobile computers with greater connectivity options. The result is increased productivity and greater access for field workers to the information they need to do their job. Overall, mobile workforce management has become a strategic competency required for significant and diverse challenges such as aging workforces, smart-metering, reducing carbon emissions and renewable energy.

The *OpenNIS FieldGIS* application is a special purpose GIS application for fast, easy and cost efficient field based GIS data registration, editing, updating and on-site quality control. Installed on a standard Windows Tablet PC, the *OpenNIS FieldGIS* application offers very intuitive and user friendly, yet powerful, functionality for geometry and attribute GIS data editing—On site.

Field editing directly on ESRI Shape files

The *OpenNIS FieldGIS* application supports editing of ESRI Shape files directly. Simply import shape files from your in-house GIS system, edit data in the field, and export edited shape files back to your in-house system. No extra step with conversions to/from proprietary GPS/survey software solutions necessary.

Simple data exchange with all commonGIS solutions

With the direct support of ESRI Shape files data exchange with all standard in-house GIS solutions is easy and completely problem free. Hence *OpenNIS FieldGIS* integrates perfectly in organisations utilizing systems such as ArcGIS, GeoMedia, MapInfo and others.

GPS tracking

OpenNIS FieldGIS has built-in functionality for realtime GPS tracking and logging and is set up to work with any type of GPS receivers (through NMEA protocol).

Field ruggedized Windows Tablet PC

The *OpenNIS FieldGIS* solution is standard delivered installed on a high-performance field ruggedized Windows Tablet PC. OpenNIS suite also offers state-of-the-art DGPS solutions from Fugro OmniSTAR.



Extreme ease of use

The *OpenNIS FieldGIS* with its map centred logical graphical user interface is so user friendly it is designed to be fully operational by any one after few minutes of trial. The user sees his/her position on the user defined background map of shapefiles, raster maps or ortho photos through the real-time GPS cursor. The user can freely digitize/edit geometry with the tablet PC pen or snap/register data to current GPS position.

Examples on useful utilization in the field:

- Map quality control and updating
- Quality control of community/physical plans
- Cadastral mapping
- Address and household registrations
- Point of Interest registrations
- Forestry and environmental registrations
- Utility and infrastructure registrations
- On-site planning