

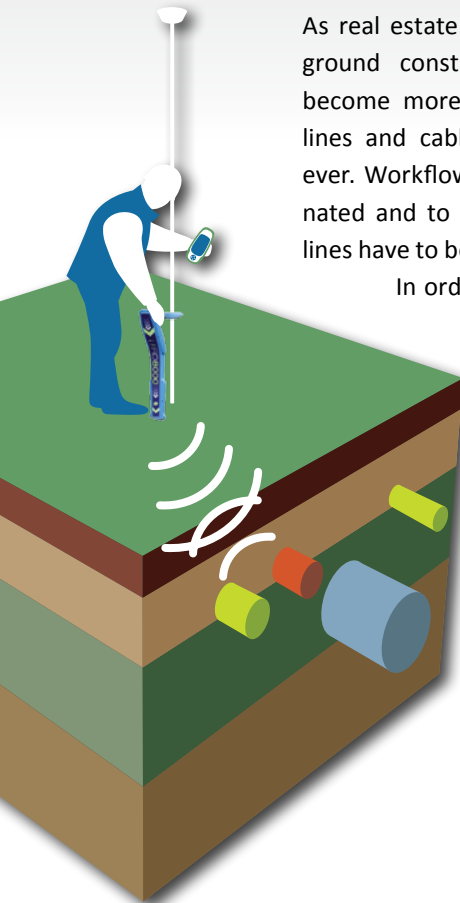


Underground service locator
with mobile GIS solution

GNSS receiver
+ Cable locator
+ DigiTerra Explorer 7
Professional



Efficient and simple utility management with GNSS receiver and cable locator

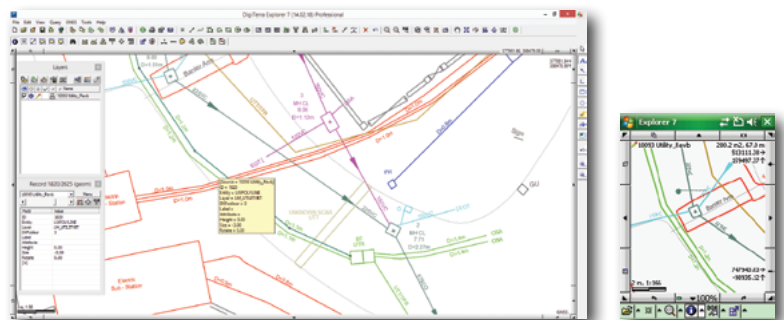


As real estate density increases, underground constructions have nowadays become more complex. Locating pipelines and cables is more difficult than ever. Workflow has to be better coordinated and to security issues and deadlines have to be paid increased attention.

In order to better take up these challenges, utilities construction can be supported by electronic equipments, GNSS technology, and digital maps.

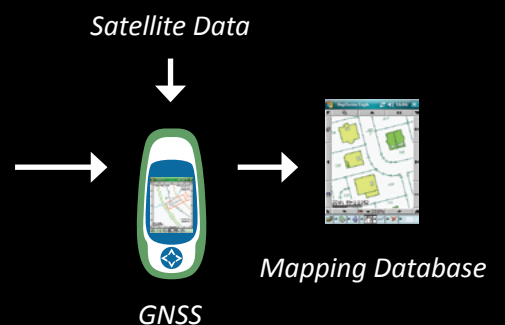
GNSS technology with DigiTerra Explorer and a cable locator simplifies utility management

Connecting cable locators GNSS receivers and DigiTerra Explorer mobile GIS software is one of the most innovative technology that can increase efficiency in the construction and utility sector. Precise GNSS mapping can replace traditional schematic maps that may be incomplete, inaccurate, and difficult to maintain. This effort can be done efficiently in conjunction with utility construction and maintenance activities. As a result, collected data support the preparation and continuous upgrading of infrastructure records.



Components of DigiTerra's comprehensive GIS solution

1. Cable locator system
2. GNSS receiver with submeter accuracy
3. DigiTerra Explorer field data collection and mobile GIS software



An integrated solution step-by-step

Step 1 Locate the buried service

The locator designed for use across the pipe and cable location industry to locate the depth of the buried service quickly and efficiently.

Step 2 Connecting cable locator and GPS receiver

DigiTerra Explorer is compatible with cable locators, that are connected to the GNSS receiver running DigiTerra Explorer via cable or Bluetooth connection. Each time, when the cable locator identifies a pipe, also the GPS position will be recorded as a 3D point feature.

Step 3 Integrated mobile mapping

By pushing a single button on the locator, GPS position and all information coming from the cable locator will be transferred to DigiTerra Explorer. You can immediately see all relevant geographical information and attribute data on a digital map in the software.



Benefits

Efficiency

With DigiTerra Explorer, you can locate cables and pipes to update digital maps at the same time without returning again to the same place. As a result, you can **save up to 75% time** compared to traditional paper-based recording.

Flexibility

When recording the information from the locator, you can **directly save the map layers in standard ESRI Shape or Mapinfo MIF file formats**. When using a background map prepared in your CAD system, you can **directly load it in Autodesk DXF format**.

Integration

At the end of the day, map layers and attributes can be downloaded from the handheld PDA to the desktop version of DigiTerra Explorer for further analysis or can be added to an existing GIS database. By doing so, data will become part of a comprehensive and integrated GIS solution.

Reseller



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