

ESSentialUnderground Software

ESSentialUnderground is a 2D and 3D GPR data processing package for processing, analyzing and interpreting GPR data. It has the advanced features that GPR professionals demand while also being fast and easy to use. If your application is concrete inspection and assessment or utility detection, ESSentialUndergound is the right tool for the job.

Overview

- Use ESSentialUnderground in the field on a tablet PC or in the office on a PC.
- Fast visualization and browsing of GPR data in cross section, depth slice, or 3D views.
- View and display data from multiple survey grids simultaneously.

Streamlines GPR Data Processing

- Automatically grids data.
- Zero time shift
- Background subtraction
- Frequency filtering
- Interactive range gain
- Migration
- Hilbert transform

Targets Editor

- Users can quickly outline targets such as pipes that can be shown in 3D display, output to DXF CAD file, or output to DOCX report.
- Click to create outline of pipes, wires, vertical surfaces, horizontal surfaces, etc.
- View targets in cross-section view, depth slice view, or 3D display.
- Targets are displayed in standard colors used for marking utilities.
- View targets without GPR data for maximum clarity and final report generation.

Combine Surface and Subsurface Imagery

- Combine 3D views of GPR data with surface image overlays
- Use pictures of survey site taken with tablet, PC (or other device) as surface image overlay.
- Automatically generate Google Maps (TM) surface image overlays

Advanced Report Generation

- Users create customized report templates in Microsoft Word DOCX format. Templates can include users' logos and boiler-plate text.
- Automatically add survey metadata table to report.
- Add any cross-section, depth slice, or 3D image from ESSentialUnderground to the report.
- Use any DOCX compatible word processor to complete report.
- DXF CAD file export so that survey results can be quickly and easily combined with as-built drawings.

NDT Supply.com, Inc.

7952 Nieman Road Lenexa, KS 66214-1560 USA



Cross Section View



3D View with Picture of Concrete Surface and Interpreted Rebar



NDT Supply.com, Inc.

7952 Nieman Road Lenexa, KS 66214-1560 USA



DXF CAD Export



Generated Report



Phone: 913-685-0675 Fax: 913-685-1125

sales@ndtsupply.com www.ndtsupply.com