

Utility Mapping

Using 3-Dimensional Ground Penetrating Radar

Poorly documented underground utility structures in many urban areas makes excavation work slow, expensive, and often hazardous because of the possibility of damaging high voltage cables and utility pipes.

The consequences may be extra costs from contract delay, change orders, equipment and environmental damage, injuries, increased insurance rates, and additional inspections.



The 3d-Radar GPR provides 3-dimensional images of the subsurface down to 2 meters and gives the user a unique opportunity to plan and conduct efficient excavation in urban areas. The system allows scanning of large areas and mapping of the underground infrastructure and other obstacles below the pavement.

The 3d-Radar GPR significantly improves underground mapping thus enabling significant cost savings in development projects.

Main benefits

- **Fast and accurate data acquisition**
 - Cost efficient mapping of large areas for utility mapping
- **High resolution radar images**
 - Get 3d images of cables, pipes and wires
- **Exact positioning when used with RTK GPS or Total Station**
 - Get the x, y and z coordinates of the buried object

3D-RADAR
...the ground is no limit

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