Integrated Solution for Pre-Construction Utility Detection and Mapping

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Digital Construction

Building Information Modelling (BIM) is applied at every stage of the construction and infrastructure process.
Individual data collected in underground utility asset detection and mapping

Cable Locator surveys

Asset and cartography survey

GPR surveys

3D reality reconstruction

Cartography restitution

Visual inspection
Clear need for accurate highly reliable up to date information - usable immediately
Unique Value Proposition in the Market

High Quality Precision Sensors
- Detection

Software and Data Analytics
- Positioning

- uNext
- DX Manager
- Leica Geosystems
Fusion of Detection and Positioning Data

Real time field to office data acquisition

On site visualization of detected pipes on imported cartography and images
Fusion with visual data and inspection – relocation

- Synchronization of detection data and pictures taken by on-board camera
- Projection of aid elements to guide the acquisition procedure
- Georeferencing of inspection pictures (e.g. manhole inspections)
Fully integrated Hexagon solutions for utility detection and mapping

Streamlined process from field to office covering the entire workflow

Utility Mapping with Big Data Analytics
Fully integrated Hexagon solutions for utility detection and mapping

Streamlined process from field to office covering the entire workflow
Fully Integrated Solutions for Utility Detection and Mapping

Aquire subsurface data accurately and turn it into reliable, meaningful information for our customers

Applications
1. Safety (for people)
2. Reliability (accurate data)
3. Availability (fast decisions)