TerraFlow Geomatics

Utility Mapper

TerraFlow Mobile Utility Mapper

Welcome to the industry's most configurable and flexible utility mapping solution. TerraFlow empowers locate and engineering teams to accurately capture information about underground infrastructure and seamlessly integrate it with existing business systems such as Geographic Information Systems and Enterprise Asset Management platforms.

Capture your locate information accurately, the first time

The 2019 DIRT report estimated that there was in excess of $30 Billion dollars' worth of damages in the United States and those numbers are trending upwards. Canada's utility damage costs were more than $660 million with approximately 4000 to 5000 reported damages in Ontario alone.

Accurate record keeping and high precision data collection of assets when they go in the ground is critical. After burial, capturing and storing the required locate information helps tremendously in maintaining an accurate record of all assets and of the activities in the area that concern them.

TerraFlow Mobile - Utility Mapper integrates directly with both high accuracy GNSS (GPS) positioning systems such as those provided by Trimble and Eos, as well as high performance utility locate sets including those built by Radiodetection, Vivax-Metrotech and Rycom.

One click locate-and-map technology saves time and money. Capture ALL locate information and spatial information at the same time. Choose to complete your locate either in field or in the office with Data Engine's online Sketch functionality.

Key Features

Locate Focused Workflows
Create the workflows you need to capture the assets you want with whatever attributes you require.

Sketch
Complete your one call and private locate sketches in the field leveraging the data you captured. Build offsets and integrate your maps into your organization's locate reports.

Configuration
Administer your workflows and your field and office team through the web system.

API-Integration
Integrate your Utility Mapper data with your asset repository. Synchronize with your GIS, export to CAD and more.

Download TerraFlow Utility Mapper today.

GET IT ON Google Play

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Latest Features Available on Android

GNSS Support
- Trimble Catalyst, R Series
- Trimble Spectra Precision
- Emlid Reach
- Eos Arrow
- RD8200SG & MRX SG
- Vivax-Metrotech vLoc3 RTK PRo

Geometry Collection
- Point
- Line (with per vertex details)
- Line extend functions
- Point delete / Line delete

Attributes (unlimited number)
- All GNSS metadata (accuracy, satellites, etc.)
- User information (name, email)
- Date / Time information logged
- Text attributes
- ymblbox to capture a non-defined item)
- Radio Button choices
- Photo capture

Collection methods
- Individual Point (i.e. valve)
- Timed multi point or line – user tracking, generates data on a timed interval (i.e. gas leak survey)
- User chosen multi-point – user decides when to collect the next point (i.e. sewer line with discrete locations)
- Sensor driven – Utility Locator, when user taps “Log position” Utility Mapper collects data from the Locate set and logs the GPS point simultaneously

Integrations
- Radiodetection RD8100, RD8200, RD8200SG, MRX and MRX SG
- Vivax Metrotech vLoc2 & vLoc3 Pro (with Bluetooth chip)
- Rycom Pathfinder

Navigate to point (Stakeout functionality)

Operating System Support
- Android v4 and above

Map making
- Default map with underling OpenStreet Maps / Esri Image Layer
- Turn points on / off
- Ability to draw offsets / building lines and other items (configurable)
- Ability to support custom symbols (i.e. valve symbols, line styles, etc.)
- Ability to define map output (all in one, per utility, etc.)

Data Export
- CSV & KML
- ArcGIS Online / ArcGIS Portal – support for Esri Dashboards, Esri GeoEvent Server, etc.
- Default AutoCAD DXF or can be configured to meet your Block and Line standards

Data Import
- DXF
- KML
- ArcGIS Online / ArcGIS Portal

Fully web-based backend

Unlimited users

Secure environment

Per client databases (no mixing / matching of data in one giant database)

Database can be geolocated anywhere (by default databases are stored in Canada)

System is fully secured and managed in Microsoft Azure datacenters

Database hybrid support – if the database needs to be housed internally, this can be supported

All data owned by client – TerraFlow does not retain ownership of data collected, it’s yours, we just help store and manage it

Support
- Full support of the application
- Development upgrades are frequent
- Very receptive to client feedback and improvement requests