Leica LOGiCAT VU Management & Monitoring System

Analyse data to reduce utility strikes

LOGiCAT software allows you to upload stored records from the Leica Digicat 600 and 700 i-Series and xf-Series locators to view the locators use, simply upload all records or search by date.
Upload information includes:

Integrated GPS Technology
Provides information on where the locator has been used and when downloaded into LOGiCAT the data is displayed visually in an easy to understand map.

Time and Date
Identifies when and at what time ground surveys were conducted.

Usage Duration
Determines how long survey teams searched for buried utilities and reveals actual product utilisation.

User Identification
Encourages users to become accountable for their actions and identifies those who need additional product training.

Detection Mode
Allows managers to assess the quality and thoroughness of work. As more comprehensive
ground surveys are conducted the locator records the mode of operation including the use
of a signal transmitter.

Service Detection
Discovers quickly if any buried utilities were detected during surveys and even determines
the signal strength shown on the locator.

Product Fleet Management
Displays and monitors the service and calibration dates of your locator fleet, ensuring they are kept in
perfect working order and not being used when calibration is due.

Diagnostic Check
Displays locators which have failed the EST (Extended Self Test) and removes them from the active
fleet for immediate repair. This reduces the possibility of defective equipment being used on site.

Management Reports
Produces simple to interpret statistical reports from the logged data, allowing users to see how products are utilised and how ground survey teams are using them on site.

By deploying Leica Digicat cable locators, utility strike rates have reduced dramatically.  Now, with the introduction of Leica LOGiCAT VU software, cable locators can be managed and monitored centrally.
Data analysis helps fleet managers to improve cable locator usage and effectiveness during the excavation, increases attention to site safety initiative and enhances product familiarisation training and operator behaviour.

**What is Leica LOGiCAT VU?**
Leica LOGiCAT VU is a management and monitoring system for analysing data from cable locators.
Cable locators are used to identifying the location of buried utilities; the data enables instruments to record GPS coordinates alongside logged instrument data.
Leica LOGiCAT VU helps plant, fleet and site managers to evaluate and analyse the data from one or more cable locators.
The system gives fleet managers a “view” of how the survey was conducted and if it has been undertaken to best practice. The locator positions can be mapped and presented through Google maps, highlighting the path of the survey.

**Key benefits**

* **Greater insight if best practice has been followed**
Using just the cable locator on its own you could miss 45 up to 50% of dormant utilities which hold the potential of fatal injury. The Fleet Manager can evaluate the Leica LOGiCAT VU data and see how and if the Operator has thoroughly undertaken a site investigate, in all modes and with correct accessories, ensuring adherence to best practice.
* **Data visualisation on satellite images to support interpretation**
GPS enables cable locator to record their coordinates alongside usage data. Leica LOGiCAT VU displays field data overlaid on digital map and images, showing where the operator has undertaken the survey to support post-survey evaluation.Clarity for post utility strike evaluation.
* **Clarity for post utility strike evaluation**
In the event of a utility strike, the incident report can be produced simply and provide a comprehensive and clear view of instruments usage leading up to the incident. Within the report, colours indicate the survey quality, Red/Poor and Green/Good.
* **Data export to GIS and BIM System**
The instruments data can be exported to a third party GIS and BIM software enhancing knowledge about subsurface utilities for future excavation activities.

**Leica LOGiCAT VU – a suite of software tools**

1. **LOGiCAT VU Mobile Device App**It provides fast and easy Locator data transfer from the field to the office.
	* Site to office transfer of locator data in a single step
	* Data transferred via Bluetooth® wireless technology
	* Available for SMART phones and tablets
	* Free to download, free to use
	* Can be installed on multiple devices at no additional cost
2. **LOGiCAT VU Windows based software**LOGiCAT VU software is a Windows based system providing a complete solution for creating, maintaining and monitoring your DIGICAT cable locator fleet.
	* Complete solution for managing your DIGICAT fleet
	* Builds a database of fleet activity
	* Assess operation quality and operator performance
	* Reports on best practice performance
	* Provides incident reports for post-strike analysis
	* File import from locator, LOGiCAT VU App, email or network server
	* Use common map formats - GPX, KML and direct into Google Maps
	* Export to GIS asset management systems
	* Free to download, free to use Windows based system

Start today to reduce utility strikes, download the LOGiCAT VU software and app.

Main Benefits

**Capturing and monitoring data from cable avoidance tools, is a highly effective way to reduce buried utility strikes.**

With the introduction of LOGiCAT VU software, fleet managers can now analyse activity data from one or more cable locators, verifying how the survey was conducted and if it has been undertaken to best practice.

Analysing data has helped managers improve cable locator usage, increased site safety through more effective use of cable locators during excavation, enhanced product familiarisation training and improved operator behavior.

LOGiCAT VU works with all EZiCAT i600 and i700 data logging instruments. The data can be downloaded via Bluetooth to the LOGiCAT VU software to enable quick analysis of cable locating activities. The data can then be used to identify training needs of users, develop reports of cable locating activities following a near miss or utility strike.

Extract and Analyse Data

LOGiCAT VU software enables you to easily extract and upload stored data from your EZiCAT data logging and GPS cable locator(s), then analyse and report on the following traceable data:

* **GPS positioning of use\* -**Provides GPS data on where the cable locator has been used.
* **Time and date of use -**Identifies when and at what time ground surveys were conducted.
* **Usage duration -**Helps identify if the cable locating equipment has been used for a sufficient amount of time.
* **User identification -**Makes users accountable for their actions and identifies those who need additional product training.
* **Detection mode used -**Enables managers to analyse the quality and thoroughness of modes used.
* **Service detection -**Discovers quickly if any buried ca-bles or pipes were detected during surveys.
* **Product Fleet Management -**Displays and monitors the service and calibration dates of your locator fleet, ensuring they are kept in perfect working order and not being used when calibration is due.
* **Diagnostic Check -**Displays locators which have failed the EST (Extended self-test) and removes them from the active fleet for immediate repair. This reduces the possibility of defective equipment being used on site.

For a quick and easy on-site data transfer solution to help reduce down time of your cable locating equipment check out the [LOGiCAT Mobile App](http://www.cabledetection.co.uk/logicat-app).

\*EZiCAT i700 Series locators only.

Develop Comprehensive Reports

LOGiCAT VU PC software can be used to easily generate comprehensive reports on cable locating activities. These reports help you to identify user training requirements and can be used for traceability of locating activities following a near miss, utility strike or similar incident.

The reports available are:

* **Map show\* -**Shows where your i700 Series cable locator was used, including generation of KML files for compatible mapping software i.e. Google Earth.
* **Dashboard analysis reports -**Provides analytical information on how the locator was used.
* **Summary report -**Provides an overview of all locator downloaded log files.
* **Incident report -**Provides detailed information on how a locator was used for a particular date and time.

\*To develop a report showing the survey results within a map, a GPS enabled locators like the [EZiCAT i750xf](http://www.cabledetection.co.uk/ezicat-i750xf).