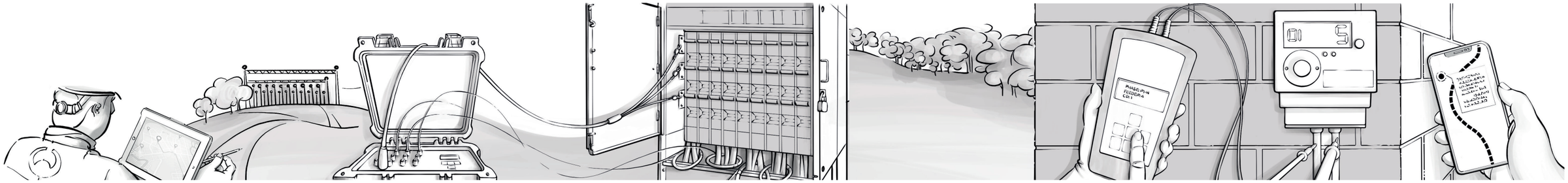
merytronic
gorlan



Live LV network phase and feeder identifiers

ILF G2 | ILF G2Pro

Low Voltage connectivity data (relation from MV /LV transformer with end user) results critical for the correct management of electric distribution networks. The use of this information in a GIS solution allows calculation of transformer load balances, faults, preventive maintenance task planning, etc., and at end, guarantees the quality of electrical supply.

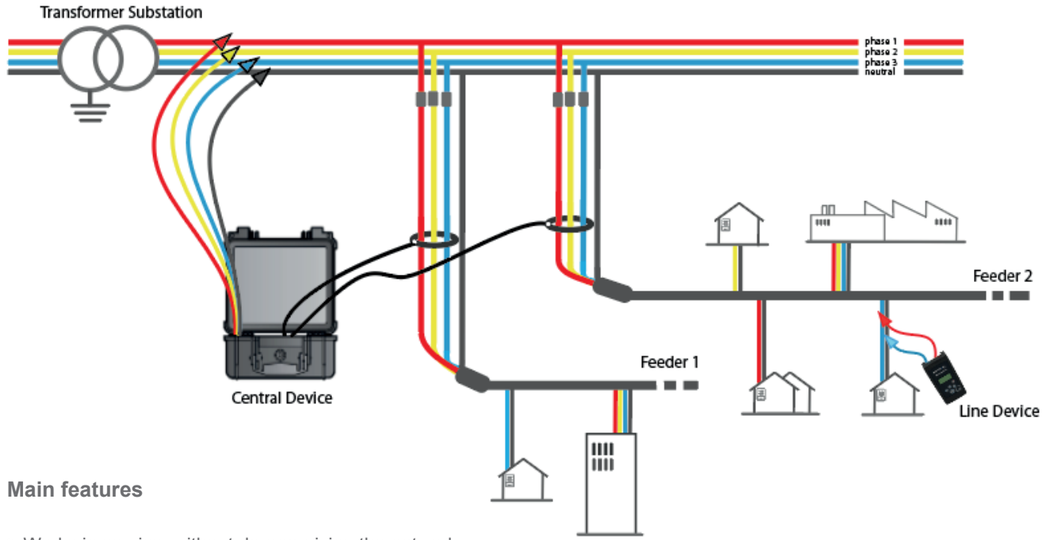
In order to cope with electric utilities needs, Merytronic has designed the **ILF G2** and **ILF G2Pro**, the new generation of Low Voltage Phase and Feeder identifiers, which can identify 3 phases and u p to 12 feeders of a transformer output.

Thanks to its app GridGIS Connect (develop by ARIADNA Grid) speeds up collection, storage and transfer data to Utility's GIS system. The network topology digitalization campaigns result shorter and the integration of topology data into Utility's GIS system faster and without mistakes.

ariadna Grid

GridGIS Connect

This device determine connectivity between subscribers and the different lines and phases of an MV /LV transformer substation in a fast, easy and reliable way. It is not necessary de-energizing the line, so electrical supply is kept throughout the identification process.



Main features

> Works in service, without de-energizing the network
> Identify, in a few seconds, which of the three phases and up to 12 feeders the consumers are connected to
> **ILF G2 Pro**, designed for big network mapping campaigns:
- Up to 99 Transformer Substation simultaneously
- Several operators with each TS
- Cascade mode up to 4 electrical levels

> GridGIS Connect app for digitizing the distribution network and its topology:
- Serial number of meters
- GPS location
- Topology data

> Integrated Bluetooth, for automatic data transfer and storage in the app
> Data export in *.json, *.kml, *.kmz, *.shp compatible with GIS system
> Proved efficiency on cable distances > 1 km.
> Suitable for any LV Network configurations: Delta, Star (no neutral), coupled or ringed networks, cascade arrangement (feeder pillars), up to 480 Vac between Ph-Ph and 50-60 Hz
> Identify neutral cables wrongly connected
> Cable Identifier functionality with IC2G Rx

Distribution network digitalisation app

GridGIS Connect

www.ariadnagrid.com

- TS
- Unidentified element
- Meter
- Meter Box Panel
- Feeder Pillar
- Electric lighting box
- Power Box
- Generic
- Manhole
- Transition

> The connectivity data package is automatically transferred to the tablet and stored without mistakes.
Connectivity data package: Transformer Substation - Trasnformer - LV panel - Feeder - Phase

> All network identified assets (TS, M, MP, FP…) can be stored with GPS location in the GridGIS Connect app and displayed on a map view of the work area

> Adding a photo and additional information of each identified asset: meter serial number, illegal shunt, deterioration…

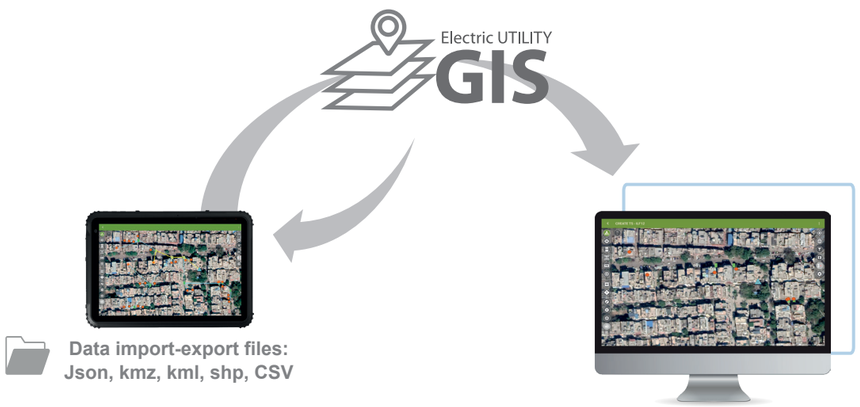
> All meter's data available with a single click on it: GPS position, topology data, additional information ...

> Work progress tracking: worker identification, date…

> All data stored in a file, without loss of information.

> Easy to transfer and process information. Speed up de mapping process.

> **Import/Export of GIS system compatible files**



Contact us for more information:

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Phase and Feeder indentifier
Network mapping solution

ILF G2 | ILF G2Pro

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