GridGIS applications

SIMPLIFY DATA TRANSFER AND AVOID MISTAKES

SMART DATA COLLECTION

SPEED UP FIELD WORK

ariadna Grid

GridGIS Connect

In order to manage efficiently the distribution network it is essential to have a precise and up-to-date knowledge of the topology data of the Low Voltage grid.
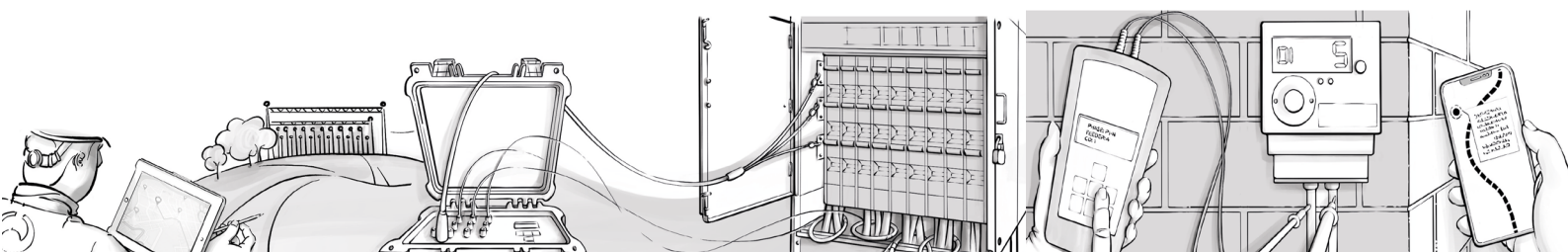
GridGIS Connect app enables field personnel to work with the **ILF G2 | ILF G2 Pro**, phase and feeder identifiers, and store automatically identification results of electric meter electric connection upstream with Secondary Substation (SS), feeder and phase (electric meter topology).

Suitable for different distribution network arrangements, wether in parallel or cascade mode on wich user can determine the topology data of the consumer with respect to all its distribution elements upstream (Feeder Pillars, or similar) of the LV network, in one only measurement.

Through this application captured data is displayed, on a map view of the work area. After completing work, the results are exportable to the Utility GIS system in a quick and easy way.

ILF G2 | ILF G2 Pro, phase and feeder identifier

MAIN FEATURES

- Mapping of the different assets/inventory of the distribution network
- Record inventory information of the items in the SS: name, LV panel....
- Record the **ILF G2 | ILF G2 Pro** device configuration: Central Device Coding, link between feeder number and Rogowski coil connection input number, etc.
- Record Meter ID and picture as well as information corresponding to the rest of elements in the distribution network
- Suitable for different distribution grid arrangements, in cascade mode or in parallel

GPS Position of each reading point:
Secondary Substation, Meters, Meter Boxes, etc.

- Meter bar-code scanning
- Add photos of assets

△	Transformer Substations (TS)
!	Unidentified element
●	Generic
●	Meters
▮	Feeder pillars
⚡	Electric Lighting Boxes
▭	Power Boxes
✦	Meter Box Panels
▬	Manholes
◆	Transitions

Log of Line Device detections with time stamp:
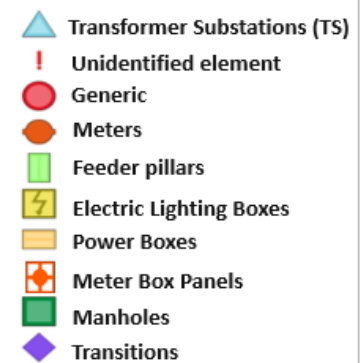Central Device - Phase - Feeder result + Date and hour

Work progress tracking

Import/export of GIS system compatible files: GeoJSON, KML, kMZ and Shapefile

Wireless Bluetooth connection

Ask for a demo now!

info@ariadnagrid.com

GridGIS Map Creator

GridGIS Map Creator is a digitisation app of electrical networks and underground pipelines.

For electrical networks (MV and LV), it allows to map with GPS coordenates the different assets of the grid (aerial or underground): Secondary Substations (SS), feeder paths, manholes, etc, directly on the field.

This app has been specially designed to speed up field work, simplify data transfer to GIS system of utilities and avoid data recording mistakes.

Distribution networks mapping complete solution: MRT-700 + GridGIS Map Creator.

MRT-700 Underground Cable and Pipe Locator

MAIN FEATURES

Record information of Secondary Substation utility assets: SS Name, Transformer, LV Panel, LV Feeders, LV and MV cable types, MV Switchgear, etc.

Register electric network assets: manholes, power boxes, feeder pillars, etc. and pipeline underground elements

Add photos of assets

Draw cable paths and pipeline on map with GPS coordinates

Includes metadata information to each captured point, such as depth, amount of signal (mA), etc.

Wireless Bluetooth connection with the **MRT-700 Underground Cable and Pipe Locator** of Merytronic

Import/export of GIS system compatible files: GeoJSON, KML, kMZ and Shapefile
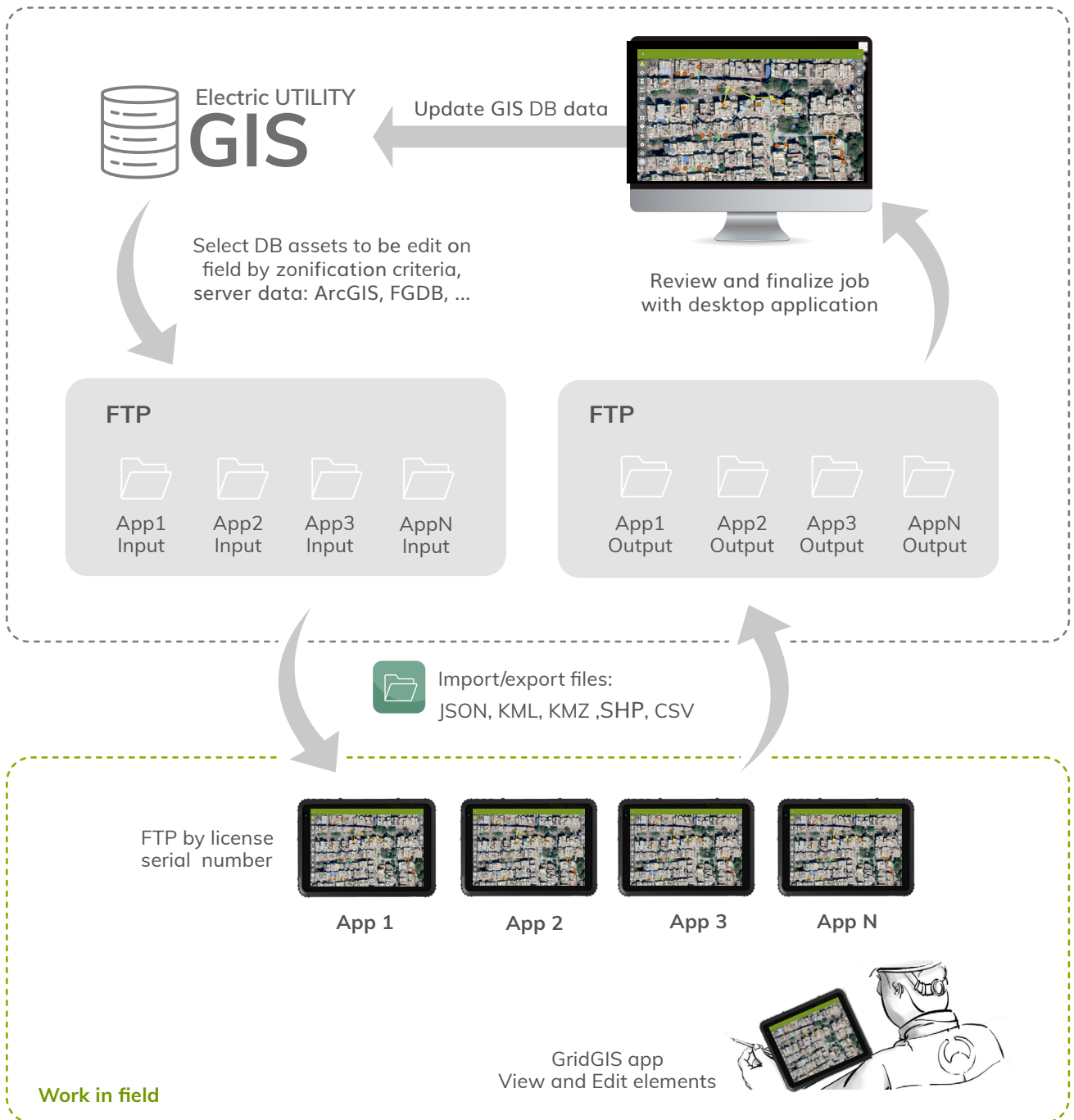
Work progress tracking

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INTEGRATION DATA with
Electric UTILITY
GIS

Data flow scheme between the utility's GIS system and the digitisation apps. The data transfer is done in an automatic way, avoiding errors.

(*) Consult us for other systems and/or architectures.

Electric UTILITY
GIS

Update GIS DB data

Select DB assets to be edit on field by zonification criteria, server data: ArcGIS, FGDB, ...

Review and finalize job with desktop application

FTP

App1 Input | App2 Input | App3 Input | AppN Input

FTP

App1 Output | App2 Output | App3 Output | AppN Output

Import/export files:
JSON, KML, KMZ ,SHP, CSV

FTP by license serial number

App 1 | App 2 | App 3 | App N

GridGIS app
View and Edit elements

Work in field

Ask for a demo now!

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