

dpPower Maintainer

A tool for inspection management



In order to plan, build and maintain a network for electric distribution, you need access to detailed information on all parts of the network. The additional module Maintainer is a geographical maintenance tool for planning, implementing and monitoring of inspections. Inspection planning is performed directly in the map and topologies rather than on individual objects as in traditional maintenance tools. This simplifies the planning and provides a clear overview of the process.

Planing and monitoring

When you maintain your network in dpPower Maintainer, each individual object has its own inspection plan, inspection of a group of objects is planned by linking objects to rounds. Which objects should belong to a certain round can be determined from tracings in the network, searches within geographical regions or by selecting individual objects. When an inspection is performed, the current GPS position is used to define which object is in line to be inspected. After an inspection is carried out, all the remarks are loaded back to the online system.

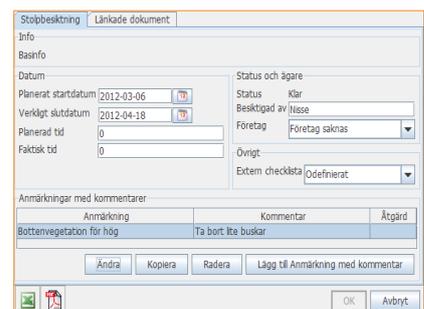
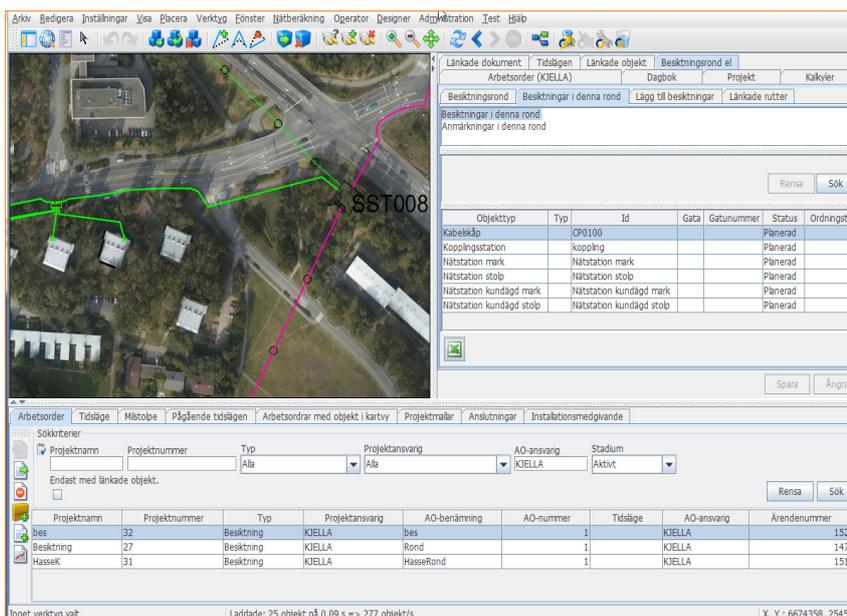
It is possible to list all the remarks in various reports, such as all observations from a given round or remarks in a particular area. Maintainer helps you streamline the whole inspection process, from planning to execution and follow up.

Simplifies the IT structure

Maintainer is a module of dpSpatial that is integrated with the other modules. It is completely web based and requires no client installation, the user friendly interface reduces the need of training.

Work offline

With Maintainer you can carry out inspections offline, information about the objects is selected for an inspection and can be downloaded to portable devices. This gives you a powerful and integrated process for inspection and documentation of assets directly in the field and improves the data quality. Maintainer contains functions for maintenance planning, conducting inspections of portable devices, monitoring and spatial planning. Standard maintenance of inspection and audit can be generated along with work orders to support the fieldwork.



Each object can have multiple plans, e.g. annual inspection of poles. When an inspection is scheduled for carrying out, it can be grouped with similar inspections for an inspection tour. More advanced tools are available for optimal planning, e.g. selecting objects in one area, choosing items along the route, etc.

dpFieldmap

The dpFieldmap module is a mobile application for field staff handling the map view and asset data (called viewer), and inspections. It has functions to plan and schedule inspections and features to follow up on remarks from completed inspections. All modules are based on Windows operating systems and can be run on standard and rugged devices, devices with keyboards, and devices with touch screen (Tablet PC) or similar.

The base application has functions for:

- › Finding information (such as stations, customers, cable pillars and addresses)
- › View maps with different themes (vector and raster)
- › Show general asset data (such as cable type and length of conducts)
- › Display position with GPS and let the map automatically follow the position
- › Measure distance/area
- › Make prints

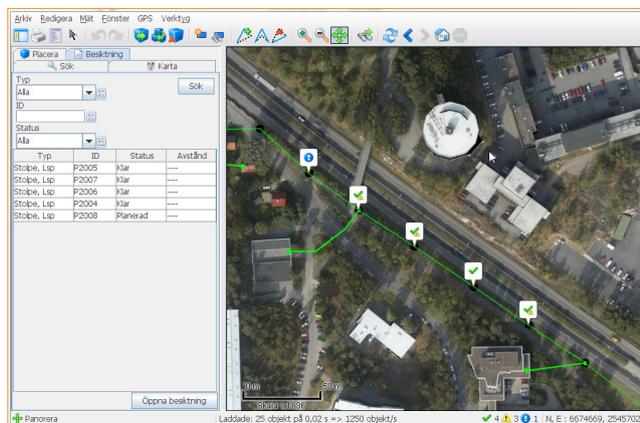


dpFieldmap Advanced - add-on module with the following functionality:

- › Display of operating schedules
- › Drawing functions (so called redlining)
- › Cable pillar cards
- › Station cards

dpFieldmap Maintainer - add-on functionality used to carry out inspections in the field with following functions:

- › Export and import of round lists between server and dpFieldmap
- › Performance of inspections with:
 - Updating of asset data
 - Input of inspection results
- › Update installation info by:
 - Add and delete the selected object types (e.g. poles and earthings)
 - Move the selected object (e.g. breaking points on ducts) in the map



Digpro is the maker of the dpSpatial family of GIS and Network Information System products. Based in Sweden, we have extensive competence within geographic information technology. We have been in the industry for over 20 years and work closely with customers and users alike to develop ideas for development and new functionality. Our products offer solutions for electricity, district heating and cooling, water and wastewater, gas and telecom networks, as well as geographical solutions for municipalities.

