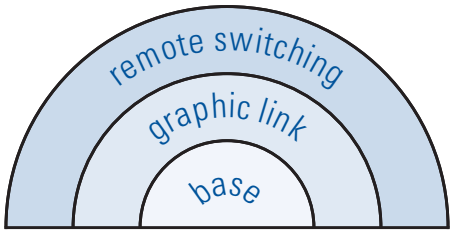
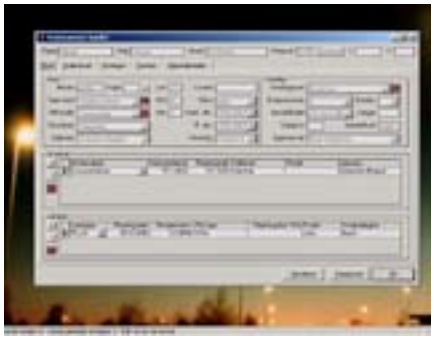
Street Lighting Management System

Together with the company DigiTel, ELEQ has developed a program for the management of street lighting. Not only is all data of your light masts easily accessed, the maintenance, replacement calculation or data mutation is also child's play. The database has an open structure and can be linked to other software packages if desired. This program is characterised by excellent user-friendliness and independence. Much attention has been paid to data entry and malfunction handling, plus mutating and selecting groups of data. In addition, the data can be approached in different ways with cross-reference tables and reports. The feeding points can also be clearly defined and managed. All relevant data on masts, fittings, lamps and feeding points are shown in one screen per mast. Your whole street lighting file can be accessed with just a few clicks on the mouse. Moreover, authorities and own settings can be defined per user. Obviously, photographs of armatures, masts and any feeding points can be added. The keyword is user-friendliness.

Layer model

The program has three layers, i.e.: the basic package, the graphics link and remote switching. You start with the basic package and determine if and when you want to expand it.





The basic package (layer 1)

The basic package is the heart of the program. It contains all master data, masts and feeding points. All geographical information, such as the layout in boroughs, streets and road surfaces and, if known, the X- and Y-coordinates.
The functionality in the basic package is sufficient for a street lighting manager to perform his daily work. Examples of this are: entering malfunctions, replacement calculation, planning maintenance, entering new masts, entering mutations, making analyses or calculating budgets required. Your existing files, for example in Excel, can be converted to our system.

The graphics link (layer 2)

When the basic package is properly set up, a link can be made to your existing graphics environment. Here, selections can be displayed on a graphics card. With a selection on the card, the underlying data can also be retrieved. With a graphics extension module, the program can communicate with your existing graphics environment, such as Microstation, Autocad or Nedgraphics.

Remote switching (layer 3)

As user, the need can arise to switch the street lighting on or off remotely. Examples of this are event terrains and entertainment centres, etc. In this case, you can connect your hardware with the OVMS package. Now, you have an integral street lighting management and you only have one place where the information is kept up to date.

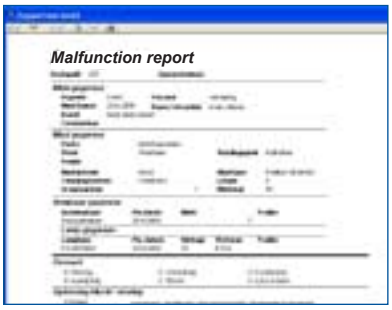
malfunction wizard

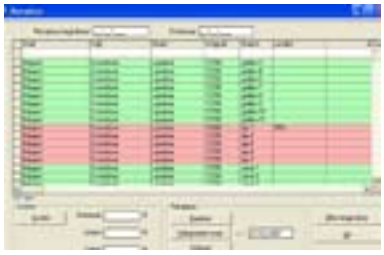
Malfunctions

With this package, you can select by whom you want to have the malfunctions entered and by whom you want to have them handled (yourself or the contractor). The manager can see the average time that a malfunction is open.
The contractor can print a malfunction note himself that contains all relevant data for him. You can also easily make an extensive analysis into the cause of the malfunction, such as the number of vandalism cases or car crashes in a borough or street.

Maintenance

With the maintenance wizard, you can plan all work, such as replacement and regular maintenance. The costs of maintenance per borough, per period or per type of maintenance can also be easily calculated. You can immediately export all this data to Excel. The module for adding new masts ensures standardisation in your file. You select by entering basic configurations of masts, lamps and fittings.





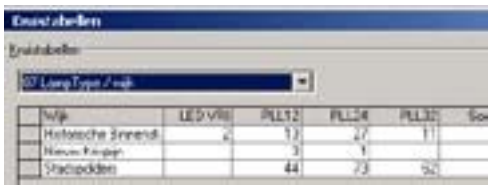
replacement scedule

Cross-reference tables

These allow you to make fast and efficient relationships. Horizontally and vertically, you can make numerous combinations, such as: which lamps are in which street and how many? What is the age distribution of my masts? You literally have the answer with ‘one push on the button’. Then, with a second press, the data can be exported to Excel.

Reports

You can print all sorts of reports with data that you consider important. By using an extensive filter, you can make multiple selections. One example can be: “All masts larger than 4 metres in the centre with a certain armature and installed before 1970”. A total of 20 standard reports are defined.



Extras

Together with our customers, we have also developed extra modules, such as: Standard figures, access through the web, road signs, barcode, links to other software packages or disciplines such as road management. For extensive and up to date advice or a demonstration, we advise you to contact our sales department.