

**Description
about**



... view to the light is no luxury

**The management information system for
the public street lighting**



luxData® contains many usefully organizational and administrative tasks needed in the daily business as follows:

- view and managing to/of all basic data i.e. general information, technical parts, fixing systems, power lines and switch cabinets or any other technical and geographical specifications.
- view and administration to/of the structure of the switch cabinets and power lines.
- view and managing to/of all tasks/jobs about trouble shooting and accidents as well as preventive maintenance and necessary material/part management for the streetlight.
- view and managing to/of all contracts and negotiated agreements within sub contractors and additional business process and important analysis about it.
- planning of projects and their execution on a long term and systematical base.
- predictive maintenance via life cycle analysis about spare parts, wear and tear and the exact demand of those for the yearly procurement.
- communication to other systems i.e. geographic information systems (GIS) and/or SAP via intelligent interfaces.

The dialog-controlled and user-friendly software will guaranty an easy entry into the new system. A lot of users will find comfortable themselves by using the system and already completed training won't have been wasted.

Database support for

- Oracle 8i and 9i
- MS SQL Server 7 and 2000
- MSDE (the "royalty- free" version of MS SQL Server 7 / 2000)



Main characteristics for the Management Information System of sixData GmbH

The “small” technical archive for pictures

Storing of pictures about luminaries, lamps accidents etc. in the most used data-formats

“Extended” archive for pictures and documents *

Storing of pictures about luminaries, lamps accidents etc. in the most used data-formats and assignment of documents to the pictures in any data-format. Needful reports of accidents and correspondence can be assigned to any light point as well as Auto CAD format generated files like *.dwg, *.dxf, *.dwf or *.skd.

Evaluation graphically, Management reports, Reports of analysis and statistic

The foundation of every analysis about any action of the enterprise are comprehensive reports. They are useful for prints on screen or drawings, pictures for the documentation of technical units and/or much complicated pole designs or grown in light points.

Report generator

Besides of the integrated standard reports the user is able to generate at each time his own individual reports or edit the existing ones. Reports can be generated as text-form only or with extensive colored diagrams. Due to this feature, supporting or updating is necessary only in minor scope. Changes and adaptations can be done individually at any time without wait for updates.

Archive for measurements

Storing recurring electrical measurements within switch cabinets or circuits.

Energy purchase contract

Different contracts can be used for different energy balancing.

Switch programs

Accurate lamp based energy balancing will be calculated by using the integrated twilight calendar or individual burning hours.

Billing rules

Based on different billing rules together with the energy balance you are able to accumulate the power consumption and the energy costs to specific cost centers.

Energy balance

Flexible balancing is possible under consideration of the actual power contract(s) and invoicing parameters.



Service rules

On the base of different service demands depending on different mounted technical parts within the light points or switch cabinets, planning of effective maintenance becomes much easier.

History

Permanently data log is the guaranty for keeping up to date to any light point even far into the past.

Interfaces to Microsoft®-Office Products

Data, selections, reports etc. can be imported and processed with a mouse click to the current MS-Office products i.e. Excel® or Word®.

Job-/order orientated maintenance

Pre defined projects, jobs, maintenance- and service orders, tasks, as well as components and service lines, disturbances made by diverse causes can be registered and proceeded easily. In this way you can plan and settle very fast all resulting work within the street lighting.

User

Establishing of further users and their rights can be organized by the administrator by filtering defined sections on the data level. It is possible to restrict the right for reading and/or writing to determined users or user groups i.e. to one defined city or any other section within the system.

Project administration

The system will support the user at his daily work by planning, processing and managing of projects. Assigning projects to pre defined units, the user is even able to use the system for resource and capacity checks at least on a low level.

Travel-route-disposition

With consequently planning of travel-routs you can achieve the optimized deployment of the current capacity.

Data editing/- monitoring on site *

Interfaces to Palm, Pocket-PC, Laptop..... enables the worker getting quickly important information on site. This information can be changed and actualized via Internet, radio LAN etc. or by synchronization the database directly in the office. This feature allows coordinating the worker and changing his route by accidentally upcoming disturbances.

Globalization

With a mouse click the system can be switched to different languages without influencing the system internally.



Flexible structure within countries and cities

The structure of cities will be customized. This means it doesn't matter how the country's cities are organized. The question of province, county, district, sector, quarter, and location is not a problem any longer.

Economy assistant *

With this assistant you will be enabled to run your unit with the most effective parts and chose the favorable switch program. It is possible to select a light point or any other selection like a district and configure it to your own judgment so that you find out the most economical variation. Comparing a light point with three different lamps on a calculation for i.e. 3 years will bring you the proof instantly.

Disturbance announcement *

Via Internet portal it is possible to picture all relevant data, which allows the announcement by cities and citizen. The feature can be secured by password-authorized access.

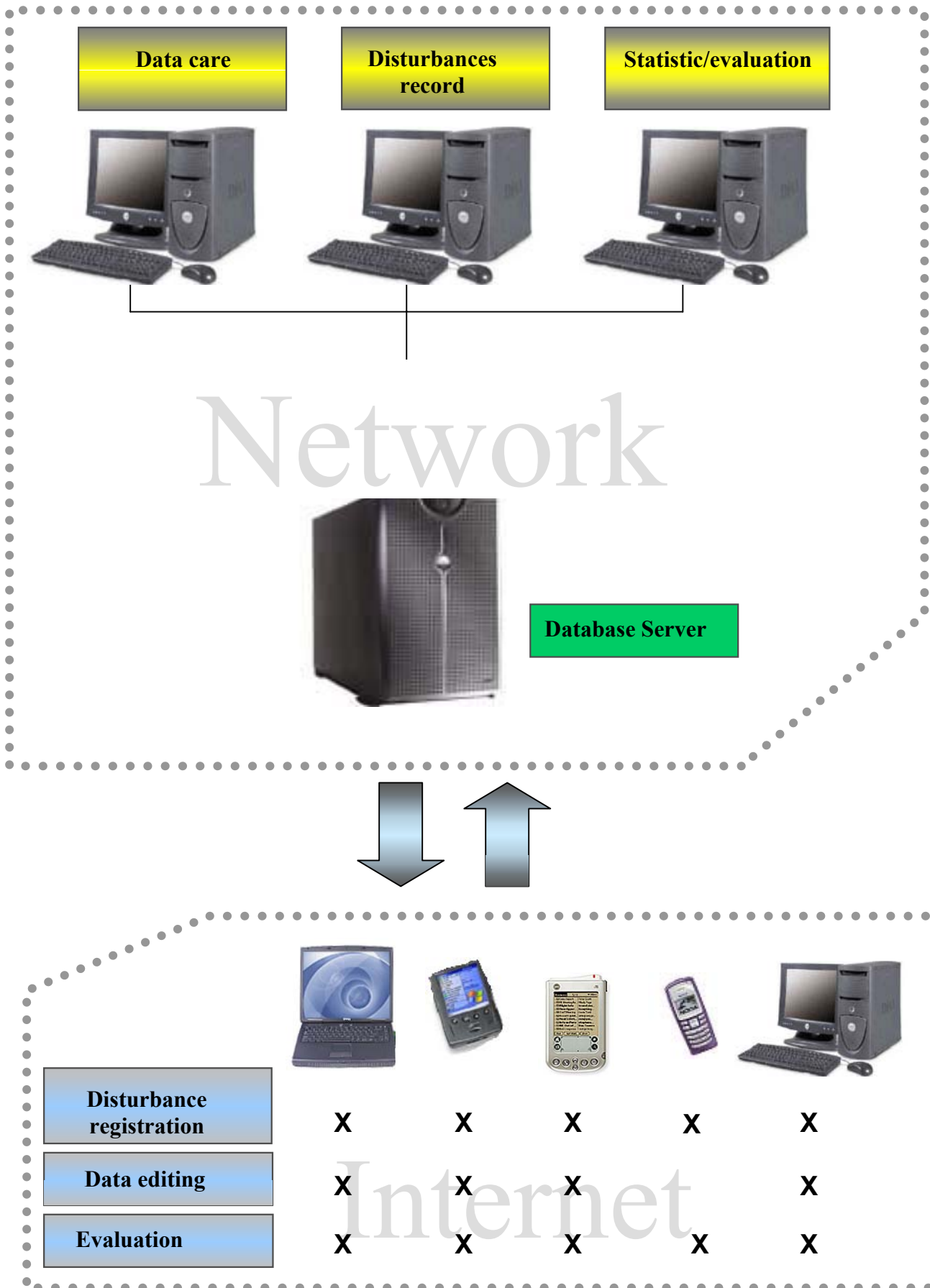
Geographic-Information-System interface (GIS) *

GIS-interfaces will be offered to all current Systems and could be modified to the customer's request.

SAP interface *

To the standard software SAP R/3 we will offer interfaces referring the material disposition and order processing.

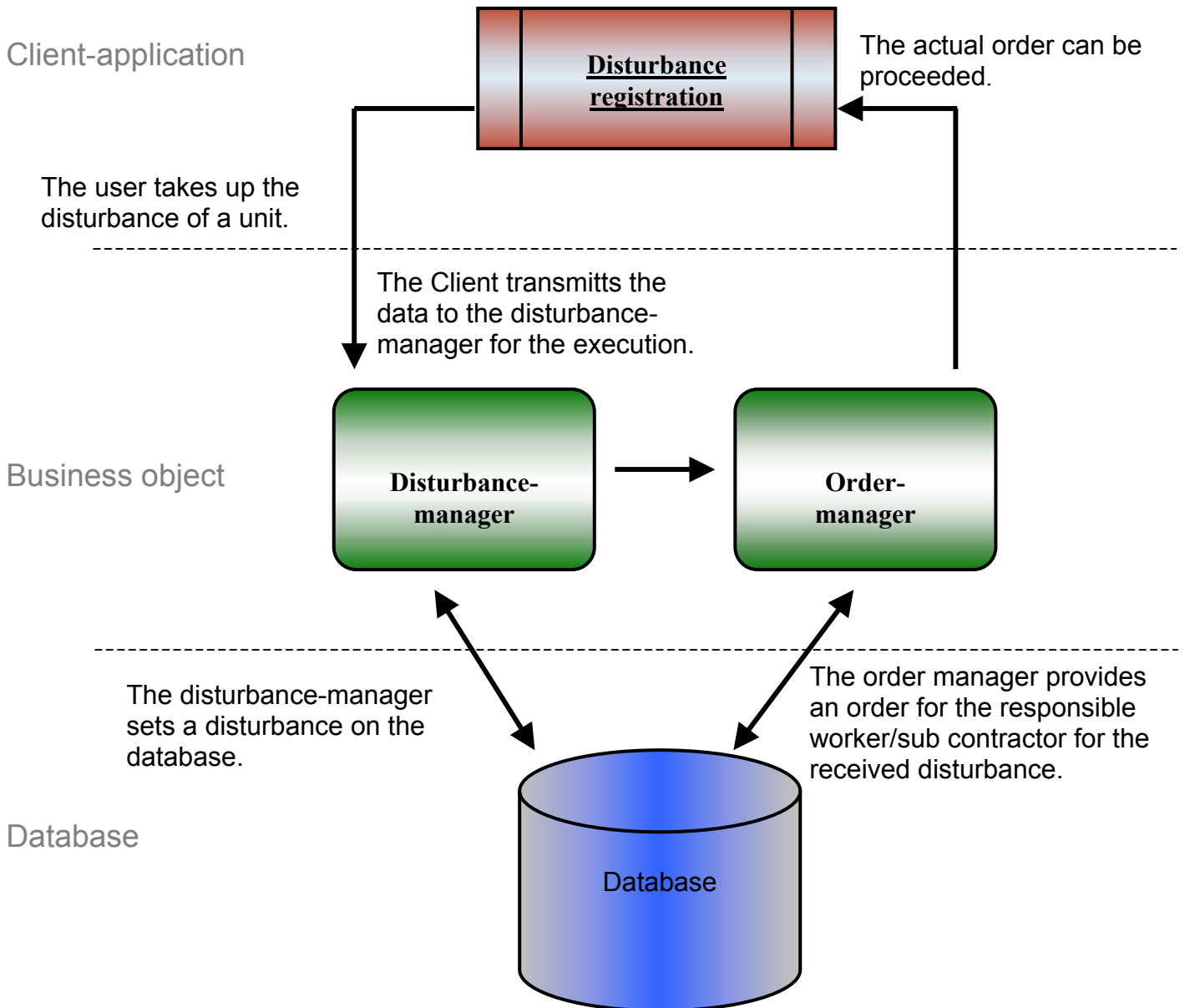
Functions are marked by a star (*), need to be acquired separately.



Three-tier-architecture
(simplified representation)

Our management information system luxData® is realized as 3-tier-client-server-application. This architecture offers large advantages for all users.

~ Explanation on the basis a disturbance entrance ~





Hardware Requirements

Pentium III min. 300Mhz
128 MB RAM
2 GB hard disc memory
Standard graphic board
Network entrance as required
17" monitor (rather 19")
Possibility for print (reports)

Operating system

Windows 98 / ME
Windows NT4 Workstation or Server
Windows 2000 Workstation or Server
Windows XP Home or Professional
Windows 2003 Server

Would you like to know more about our enterprise and the possibilities of our management system luxData®?

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