LIFTnet is a software system and network, to which as many lifts, escalators, and technical equipment with new and old systems can be coupled. The connections take place over modems and/or IP networks.

LIFTnet can be used as disorder center, visualisation, diagnostics, maintenance and parameterization station as well as an extension for our electronic lift attendant. Third-party controls are integrated using the MULTiBUS-Coupler.

LIFTnet is database-driven, therefore, statistical evaluations are tabulated and graphically preparable. All systems are protected by access controls.

With LIFTnet you get a tool with which you can minimize your access routes to the sites at errors, reduce operating costs and improve the availability, security, and documentation of your lifts.
In a nutshell:

- software for stand-alone or client-server mode for unlimited installations
- visualize and control remotely via map, building layout and shaft layout
- set of lift controls with well designed windows
- organize and document your maintenance, responsive and time-oriented
- assess driving comfort by driving curve recording directly on the car
- remote evacuate enclosed lift passengers
- supports the electronic lift attendant of the SLC4, SLC4-20 and MULTIBUS
- database-oriented and open via SQL for other applications
- supports redundant servers and hot backup
- runs under Microsoft Windows XP/Vista/7/8.1/10 and Server 2003/2008/2012
Product description

System requirements and infrastructure
The number of accessible lifts or technical equipments is practically unlimited. The connection to the systems are made individually via modem or IP networks. The data transfer can be realised wireless or wired also under sharing existing lines.

Client-server variant
With the client-server variant, you can enable many users access the LIFTnet database and your lifts over Internet, intranet and remote access connections. Data integrity when more than one user is thereby always guaranteed.

Visualization and remote control
Look at the lift from a distance and control him. Special functions you can activate/deactivate and conditionally evacuate even trapped people. The presentation is always carried out with the specific data of the lift, such as type and location of doors, call buttons and labels of the floors. A setup wizard helps you add a new lift.

Visualization of lift groups
Represent associated lift groups in a common image. You can set group calls and analyze the behavior. Enabled lifts in the lift group are shown green, deactivated lifts yellow and disturbed lifts are marked red.

Visualization by building location map and floor plans
Here you can see your equipment in building location maps, also nested plans without limitation are possible. If you want to build e.g. a fault headquarter for a plant, you can represent the building location plan of the work as the main image. If an error message is received, the relevant building is highlighted in red. By clicking, you get a magnified view with more details to this building, e.g. the layout position of the lifts and the faulty lift. Follow the markers by simply clicking on the status indicator and evaluate the messages.

Diagnosis
See lift misconduct at an early stage. Each lift sends status messages and error messages if anything happens automatically to multiple LIFTnet stations. The lift control decides also depending on the type of message, to which station the message should be sent. Your fault service can transfer all the information before visiting the lift such as fault memory, current operational status, and the history of all switching of the in-/outputs of the last travels. You can give calls, record the true travelling curves of the car and complement it with switching diagrams. By this previous remote diagnosis your service team can avoid unnecessary travels to the lift.
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**Parameterization**
Customize control and regulation parameters from a distance and thus save directions. All parameters that are functional related, are grouped into tabs and can be easily changed in LIFTnet. You can save all parameters in LIFTnet and on other similar systems transferred completely or in part.

**Maintenance organization**
Organize your maintenance with LIFTnet. You achieve an improvement of system availability and system safety. You can control your maintenance needs responsive and time-oriented, analyze and document with LIFTnet. LIFTnet offers user-friendly tools like e.g. individually customizable electronic maintenance checklist for each lift.

**Electronic lift attendant**
In combination with the control SLC4, SLC4-20 or MULTIBUS and organisational measures compliance you can and are allowed to replace the human lift attendant. LIFTnet can help you (see description of „electronic lift attendant“ in SLC4-20 or MULTIBUS-Coupler).

**Documentation**
You can log all the data about printers or files. Of course, you will receive all messages in understandable writing.

**Activation of other trades**
With LIFTnet you can monitor additional trades such as escalators, heating and air conditioning systems, cranes, lifting platforms, etc. An elaborate adaptation to plant-specific data telegrams is not required here, if appropriate in-/outputs can be connect.

**Error sending via SMS or Email**
LIFTnet may transfer failures, warnings, or messages immediately via SMS or email to the relevant personnel. Here, the employees data are freely configurable.

**Integrated IP connections**
The connection of technical systems can be done via Ethernet and wireless connections. This can be used with the existing network. Access to LIFTnet data is optionally enabled over the intranet or Internet.

**LIFTnet database**
LIFTnet uses a professional SQL client/server database system to store all data according to current standards. It is quick and easy to install, has a high performance, and requires no database administrator. The database includes a standard SQL interface, access is controlled through user rights. On request, the entire database can be encrypted.
Back-up during operation
LIFTnet performs an automatic backup of the database upon request during operation. The so-called hot backup allows you to backup your data without compromising the functionality or manual intervention.

Decentralized data collection
The LIFTnet database server has a secure data replication function, so that local working, e.g. with a notebook, without connecting to the server can be performed. After completion of work and renewed connection of the notebook to the LIFTnet server database, the new or changed data are automatically matched with the LIFTnet server database.

Connection of external controls
(see MULTIBUS-Coupler)