WinMOS®300





WinMOS®300 Monitoring Software BÖHNKE + PARTNER

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Member of the Schmersal Group

Datenbank

Anmelden

Contend



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What is monitoring?



Controlling

Sets default values or variables in a system. Example: Switch a light on/off, control a sailing yacht to the right direction.



Is the continuous measuring and changing of values and variables to reach a set value. Direct influence of any changed value.

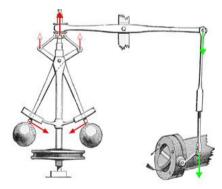
Example: Speed regulator of a steam-engine.

Question

Driving a car, is it controlling or regulation?







Regulation of a Steam engine



What is monitoring?



Monitoring

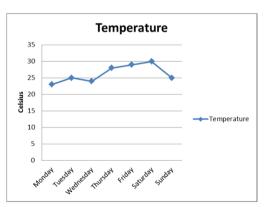
Continuously **observing** and **recording** of values and variables in a system for a time periode.

No regulation and no controlling of a system!



Seismograph

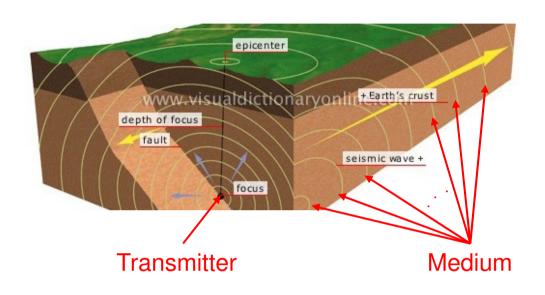


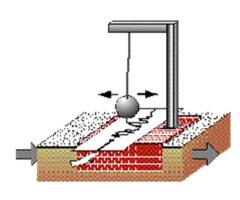


Temperature Graph °C/t

What is monitoring?







Receiver

Example: Seismograph

To monitor and record seismic waves

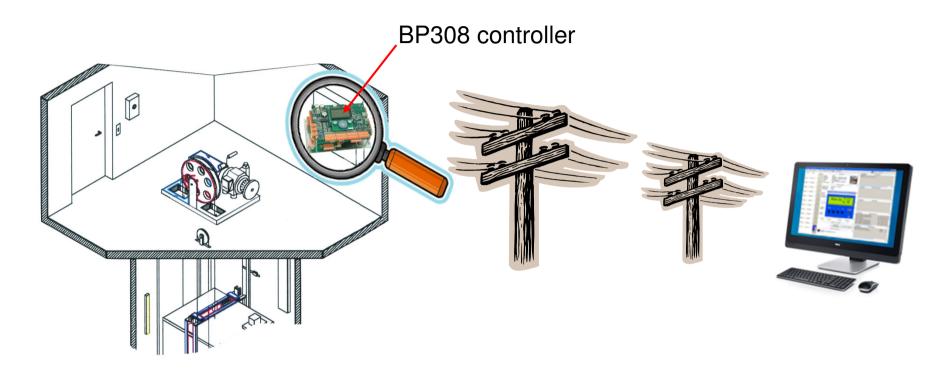
Transmitter = earthquake (source)
Medium = the seismic waves
Receiver = Seismograph

Source of the pictures:

The left picture: www.visualdictionaryonline.com

WinMOS ®300 Introduction





Use the WinMOS®300 Software package to **observe** and **record** the **BÖHNKE + PARTNER** controller, **bp308**, from far distances.

The service technician does not neet to visit the elevator every week. He check the state of the controller at his office!



WinMOS ®300 Introduction





Use WinMOS®300 to handle and record incoming Emergency calls from Emergency phone manufactors (like Safeline, Leitronic...)



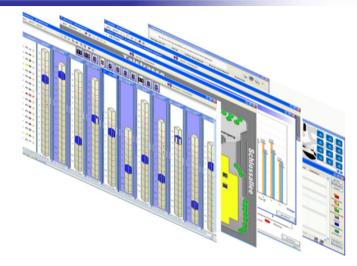
WinMOS®300 Monitoring?



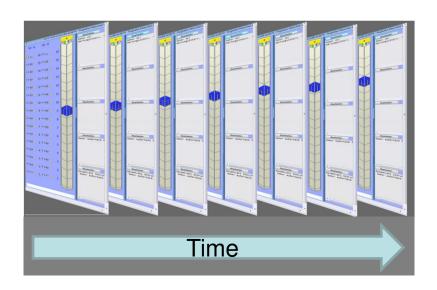
WinMOS®300

Is a software with several application to

- record values
- record information
- record messages
- to display the car position
- To integrate the emergency phone system



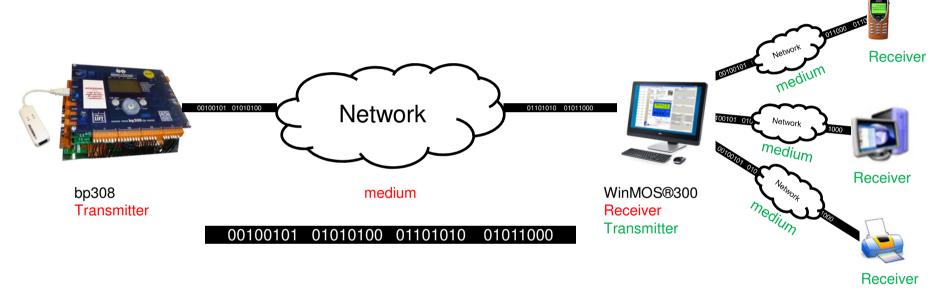




WinMOS®300 Monitoring?



Elevator-Monitoring with WinMOS®300 1: Via data network (digital)



WinMOS®300 has two ways of communication:

Malfunctions and error messages detected by the bp308 can be forwarded

- to a mobile phone
- as email
- to another computer
- to a printer.

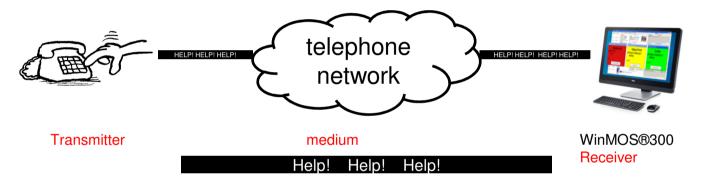


WinMOS®300 Monitoring?



Elevator-Monitoring with WinMOS®300 2: Via telephone network (analog)





WinMOS®300 has two ways of communication:

To monitor the emergency call with WinMOS it uses an analog/digital converter.



WinMOS®300 in practice:



Call Acceptance - WinMOS 900

File ?

ID 80 Lift Id Date/Time Halfunction/Hessage

E 5001 8001 18.0-2014/09.15-33 Star Xalbinter

E 5001 8001 18.0-2014/09.15-33 Star Xalbinter

E 5001 8001 18.0-2014/09.15-36 Star Xalbinter

E 5001 8001 18.0-2014/09.15-36 Star Xalbinter

E 5001 8001 18.0-2014/17/5-80 Star Xalbinter

E 5001 8001 19.1-2011/17/5-80 Innentir A in Fahrt Tage 10 (107)

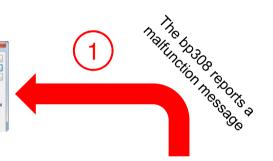
E 5010 8001 19.1-2011/17/5-80 Innentir A in Fahrt Tage 11 (117)

E 5010 8001 19.1-2011/17/5-81 Innentir A in Fahrt Tage 11 (117)

E 5010 8001 19.1-2011/17/5-81 Innentir A in Fahrt Tage 11 (117)

E 5010 8001 19.1-2011/17/5-32 Verbindung zum Aufrug werterochen

E 5010 8001 19.1-2011/17/5-34 Verbindung zum Aufrug werterochen



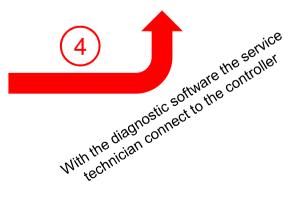


WinMOS®300 Call Acceptance is a program for receiving and recording malfunction messages, and other errors





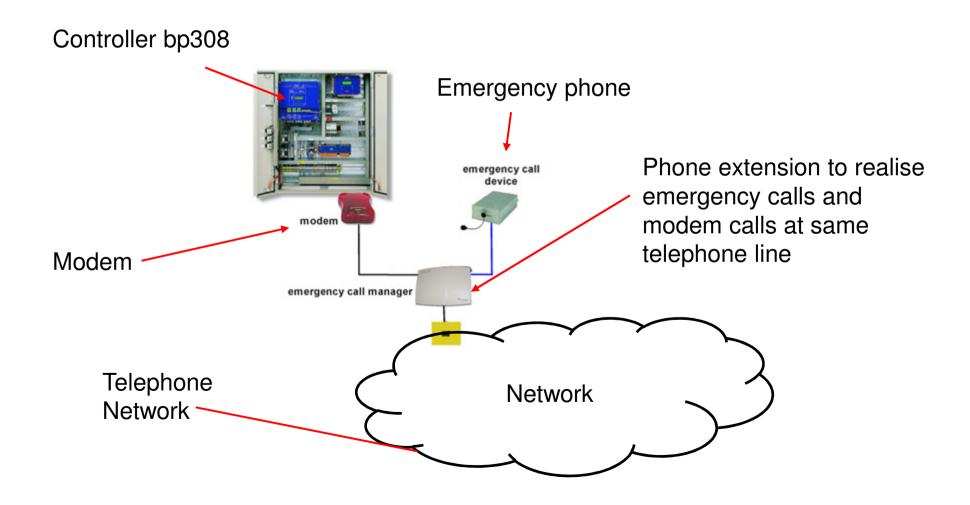








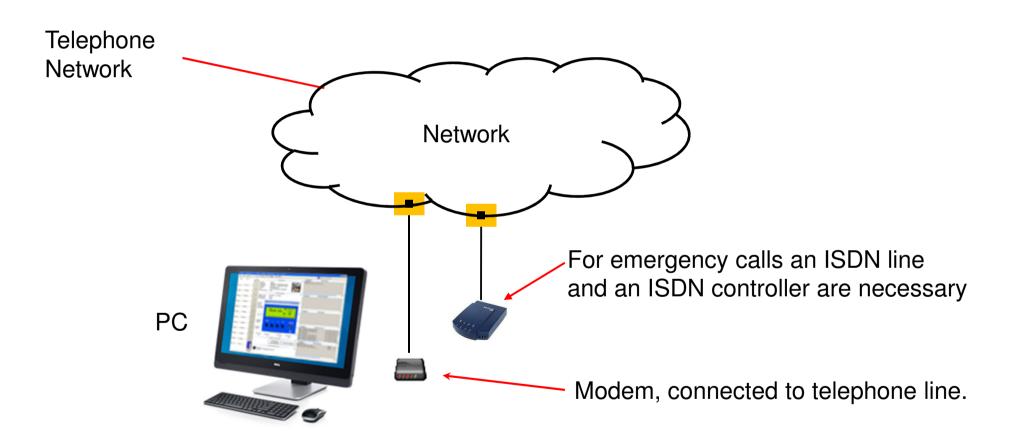
Technical Requirements

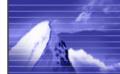






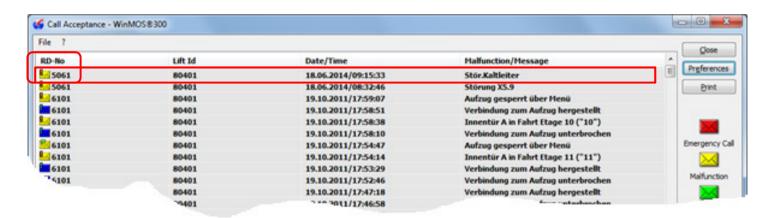
Technical Requirements



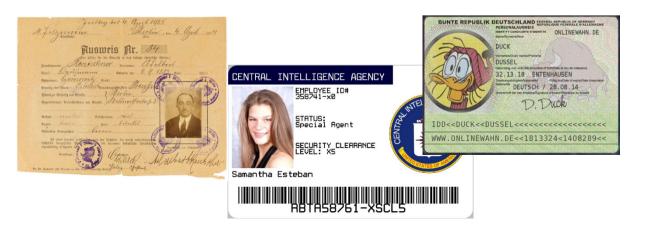




Identification of the lift application (controller)



The RD-Number identifies the bp308 in the WinMOS®300 system. It's transmitted together with the malfunction message and other necessary information.







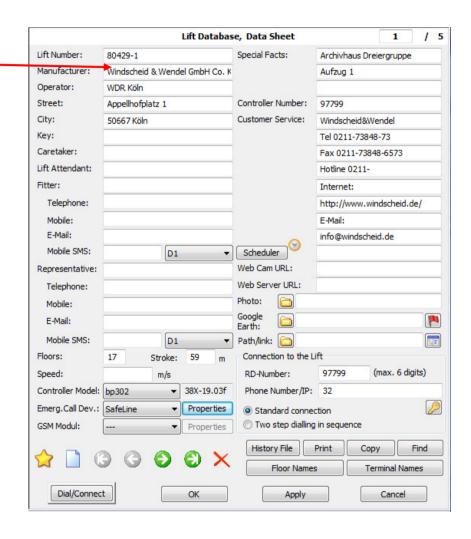
Before the controller reports a malfunction



The elevator must register in the WinMOS®300 System with all the informations, like street, city and so on. The RD-Number exists only once in the WinMOS®300 system.

WinMOS®300 Database

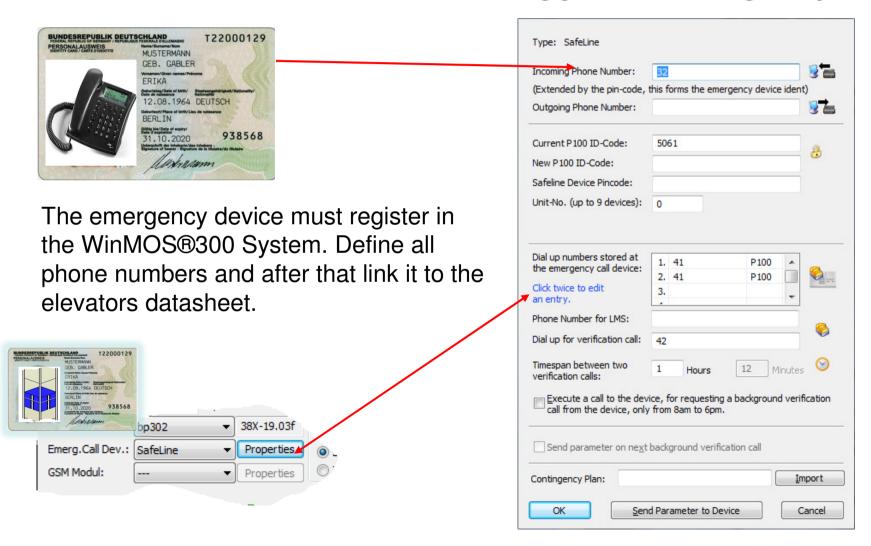
is the registration tool for a new elevator in the WinMOS system.







Before the Safeline device can trigger an Emergency

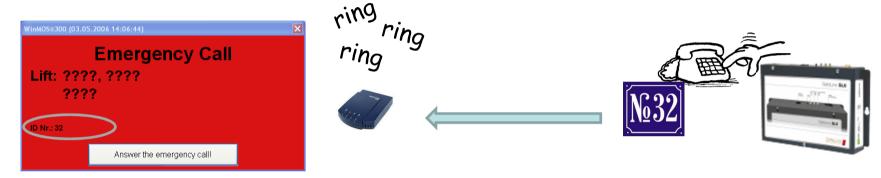






Stepps at a WinMOS®300 Emergency:

First:

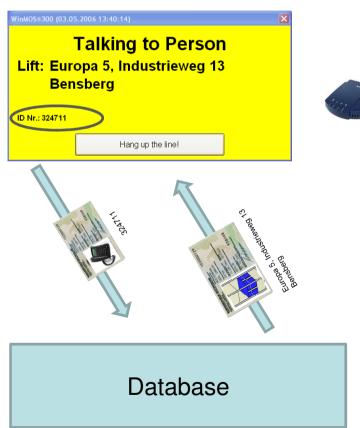


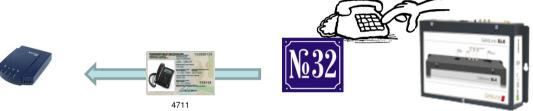
In a case of an Emergency, the safeline device call the WinMOS®300 Emergency program. A red dialog shows the incoming emergency call. The red dialog contains the caller ID, which is the call number of the safeline device (in this case 32). Now it's time for the staff to answer the emergency call.



Stepps at a WinMOS®300 Emergency:

Second:





After the process of identification is done, the staff can talk to the locked person. The yellow dialog show "Talking to Person". If the person is not able to talk, the staff knows the address to help the locked person.

WinMOS®300 Database is the part in WinMOS which include the datasheets of the elevators. It contains also datas about the safeline emergency device.



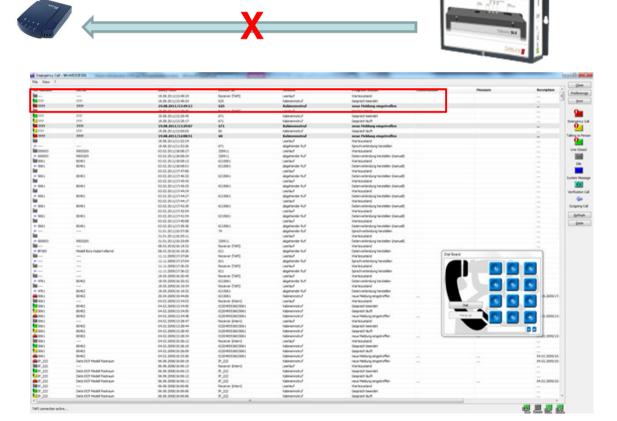


Stepps at a WinMOS®300 Emergency:

Third:

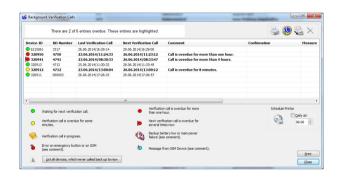


After confirming the call, all stepps are saved in the emergency module.





WinMOS®300 Emergency (additional):









Entries that are overdued:

since a few minutes:

more than one hour:

more than two hours:

EN 81-28 defines, that the emergency device must automatically initiate a call to a receiver to verify the device is ok, every 72h.

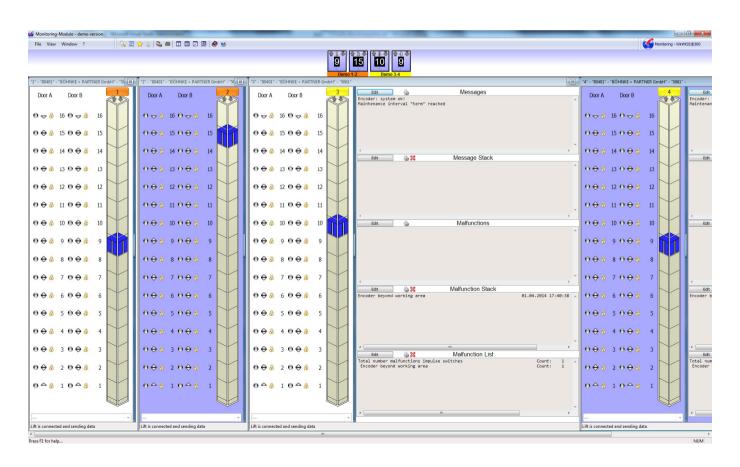


WinMOS®300 Emergency records all incoming verification calls. If a verification call is missed, it automatically call the device to initiate a callback.



WinMOS®300 in locally

Until now, we have talked about connecting to a controller over far distances. <u>WinMOS®300 Monitoring</u> is for elevators in a complex building. It's shows all elevators in the building at once.





WinMOS®300 Applications

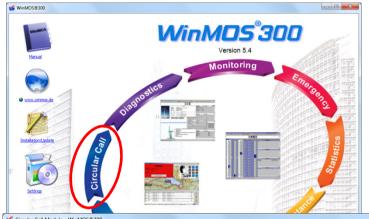


WinMOS®300 additionally



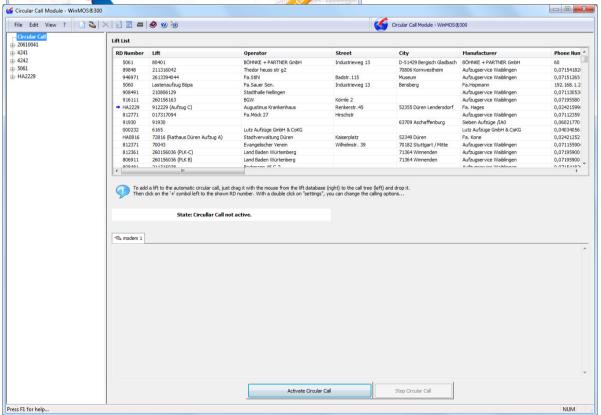
WinMOS®300 Circular call





Time Triggered Procedures

If certain things have to be done at a day or periodically every week/month, the "Circular Call" program is the right choice.

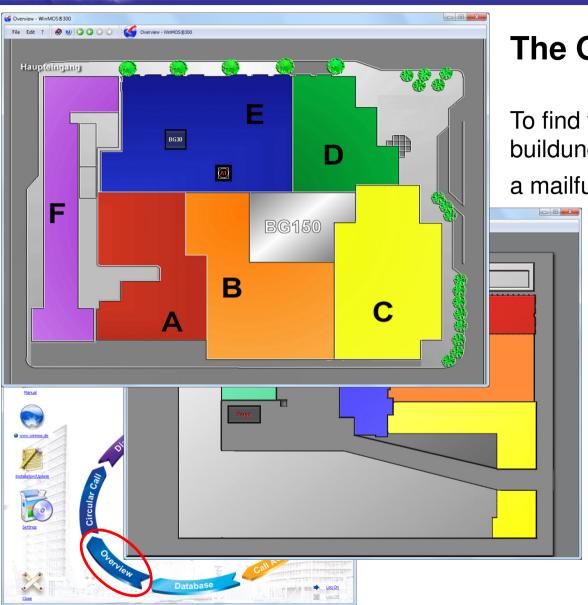


If the scheduled time is reached, WinMOS®300 circular call using a analog modem to call the bp308 and trigger an action like "move to the 2nd level".

Scheduling can be done by selecting a weekday and time or an user defined cycle.

WinMOS®300 Overview





The Overview module

To find the right way in a complex buildung to the elevator that reports a mailfunction or an error it could be

helpful to have overview over the whole buliding.

The WinMOS®300
Overview shows the position of all elevators in a complex building.

1

WinMOS®300 Statistics





Statistics

It's easier to view a line diagram or to see some bar graphs, as reading the transmitted values of the bp308 controller.

WinMOS®300 Statistics presents the value in

line diagrams and bar graphs which the user can printout.







From time-oriented maintenance to needs-oriented maintenance

Past: Today:

Time

service technician visit lifts once a week to check if there are errors.

service technician reacts to reported issues









Advantages for the Operating Company:

- Visualization of complete elevators
- Debriefing and evaluation means clearer traceability
- Feeling to be in good hands





Advantages for the Service Company

- Needs orientated maintenance
- Saving of costs because driving not so often to the elevator
- Faster response rate, because you can dial into controller instead of driving to the elevator.
- Higher operational availability





Advantages for the Service Company

- Continuous documentation from past to present.
- Satisfied and pleased customers
- Readout malfunctions and irregularities from controller
- Notification via SMS, E-Mail, HTTP



WinMOS®300 Review



Summary.

- WinMOS®300 Call acceptance receive maintance calls.
- Service technician can dial (via modem) into the controller from far away using WinMOS®300 Diagnostics.
- WinMOS®300 Monitoring shows an overview of complete elevators in a complex building.
- WinMOS®300 Statistics provides a way to visualize received values.

WinMOS®300



Thanks for your Attention



