Installation - instruction manual

Visualisation -and monitoring software
CGVision and CEAG OPC-Server

For monitoring and digital control of
CEAG emergency lighting systems

400 71 347 387(E)

CEAG Notlichtsysteme GmbH

Contents

Inhalt

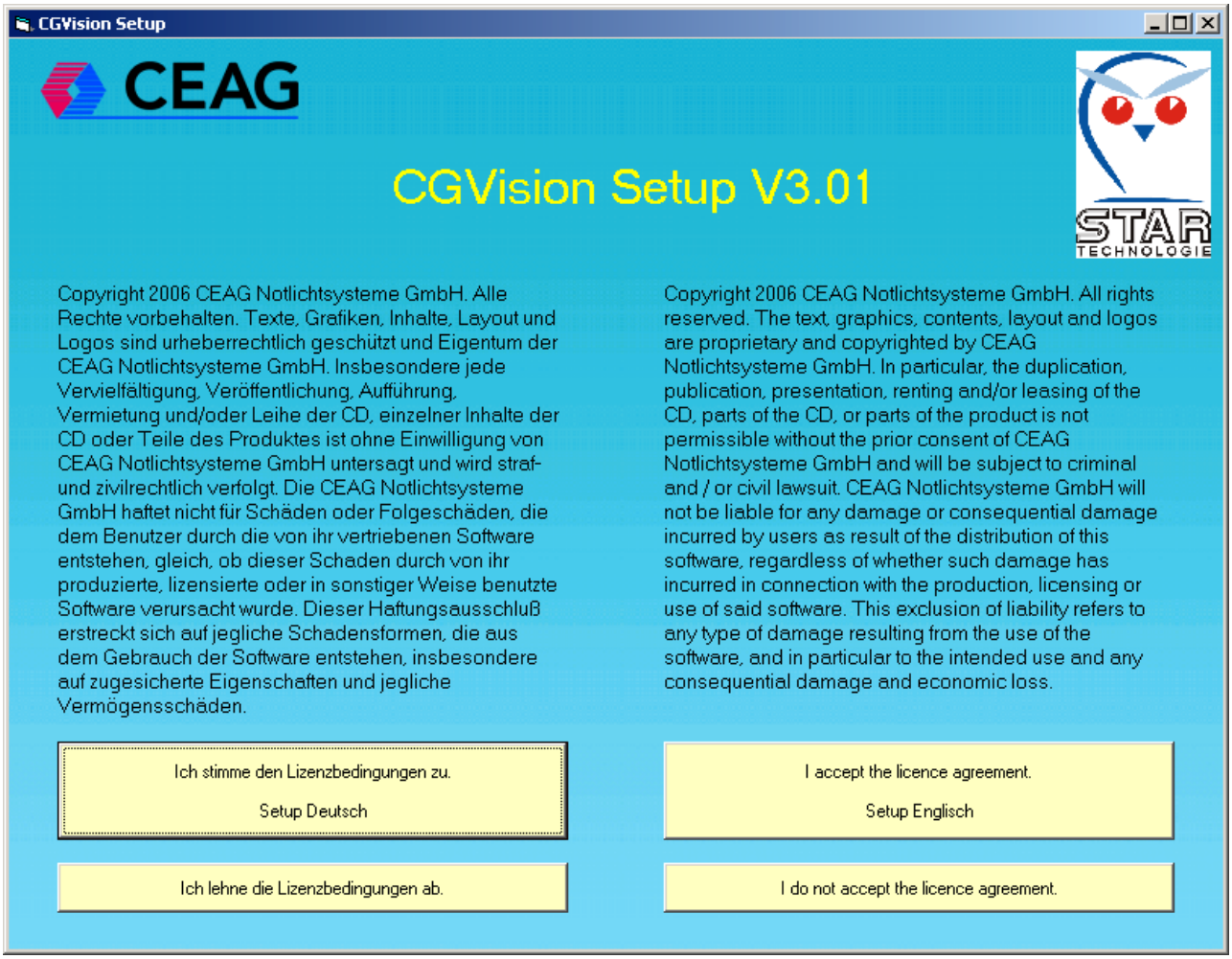
1. Installation manual

Note: Please read this manual carefully before installing the software !

Installation CGVision and CEAG OPC-Server:

After inserting the installation CD, the auto-setup starts and following picture appears:

(Remark: The function „Auto-Setup“ of the CD-Rom drive must be activated!
If the installation does not start automatically, click >> Start, Run...<< and enter „x:\CGVisionSetup.exe“.
(x represents the name of your CD drive).

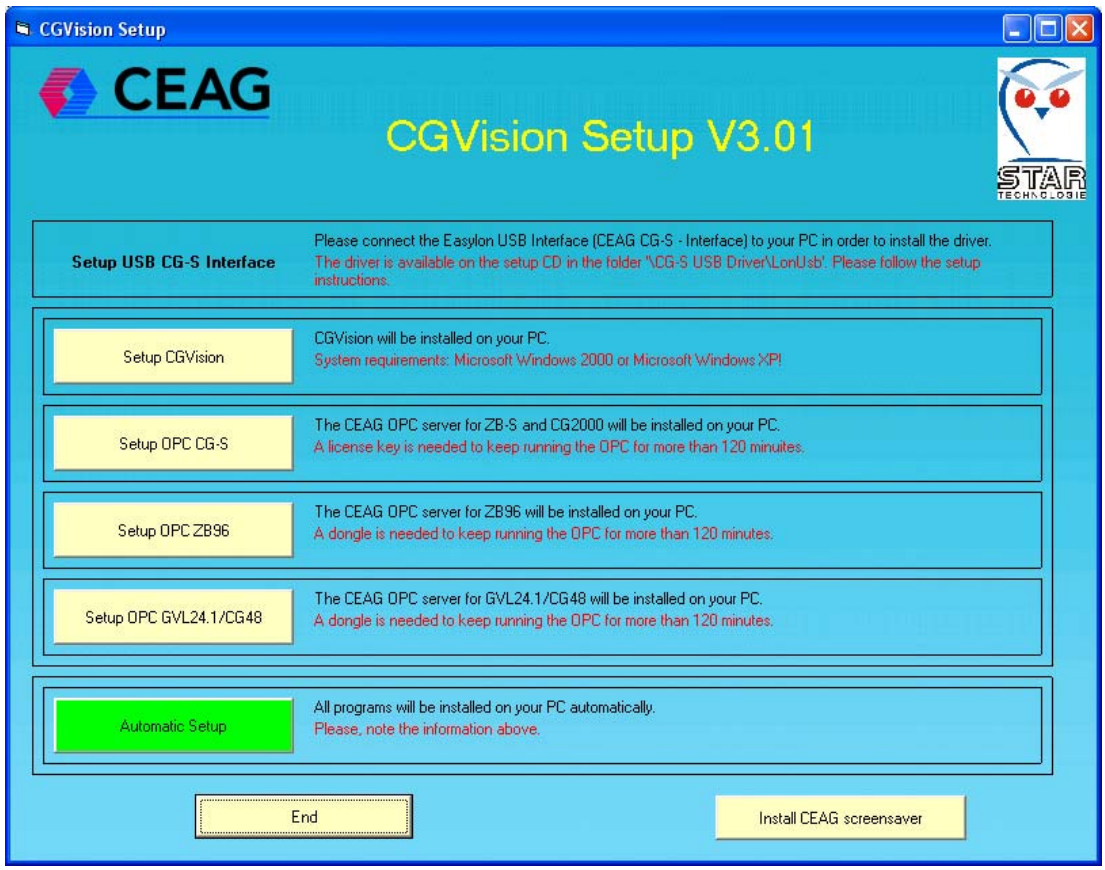


To change to the menu, you have to accept the licence agreement. With a click on the button „Setup deutsch“ or „Setup englisch“ you will enter the menu.

1.1 Setup CGVision

Following picture **CGVision Setup** Version X.XX comes up:

Preparing:
Before installing the CGVision software, it is necessary to install the LON-USB Interface.
Therefore connect the LON-USB Interface with a free USB-Port.
The computer automatically finds new hardware, and an installation of a driver will follow.
Please follow the instructions. It is recommended to select
„automatically search of driver on drives“.
The driver of the LON-USB Interface is on the CGVision CD in the folder:
CD-drive: \ CG-S USB Driver\ LonUsb.

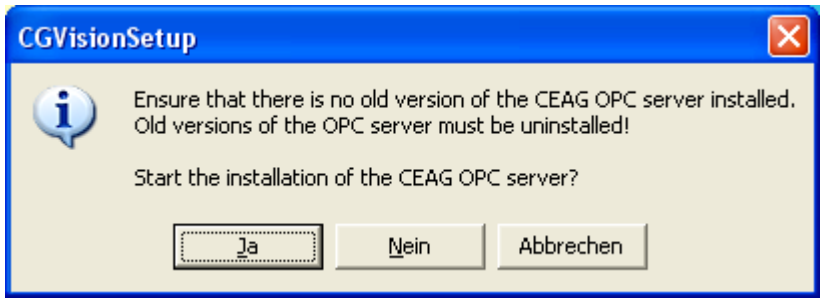


Please note: It is not allowed to install the CGVision for more times (e.g.: update). It is necessary to deinstall the old version before installation of a new version !
For a complete installation of CGVision with CEAG OPC-Server (Software interface), it is recommended to choose the installation via „Automatic Setup“ (green button) !
This will first start the installation of CGVision, followed by the installation of CEAG OPC-Server. After the installation routine, the system will reboot to take over the required configurations.
The „Automatic Setup“ is described on the next pages.
It is possible to do an individual installation of each component, that means CGVison or CEAG OPC-Server can be installed independently.
If the CGVison and the OPC-Server are installed individually, please note that the CGVision has to be installed first,and then the OPC-Server ! This is necessary, because only after installing of the OPC-Server a rebooting is required.

The individual installation is described in chapter 1.1.2, 1.1.3, 1.1.4 and 1.1.5 „manual installation“

1.1.1 Auto-Setup - CGVision, OPC CG-S, OPC ZB96 , OPC GVL/CG48

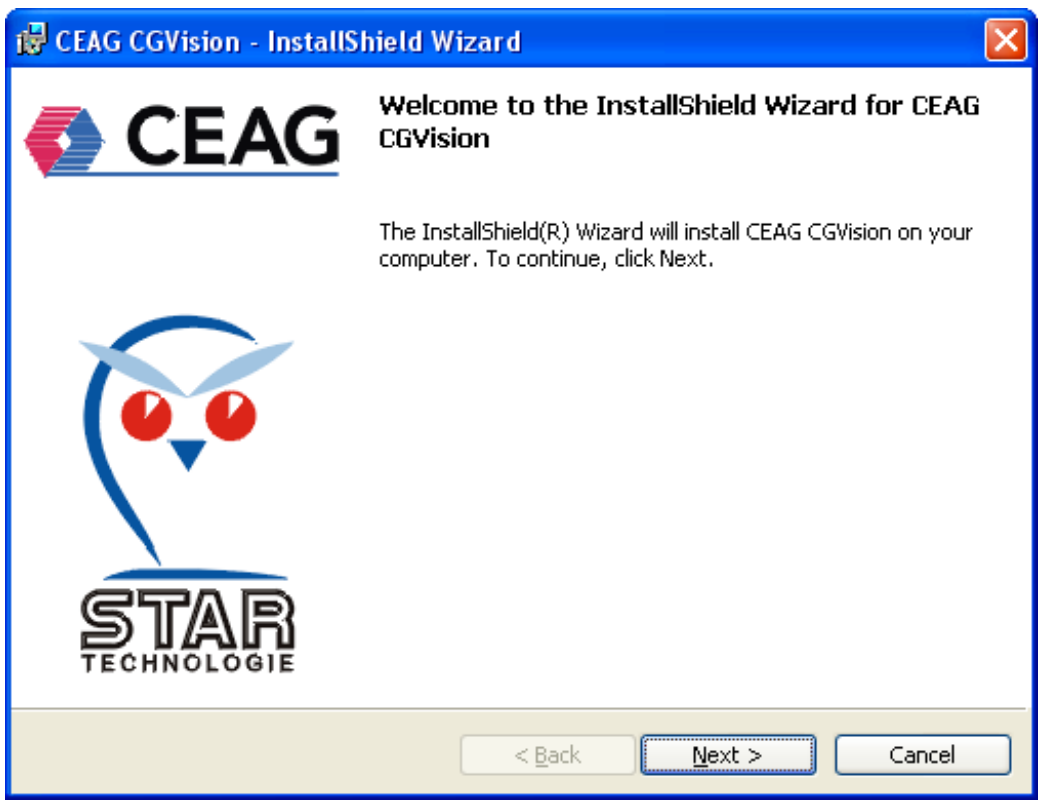
With the (green) button „Automatical Setup“, the complete Installation for CGVision and the OPC-Server can start. Due to a technical restriction the following window appears first:



Please do **not** press any button in this window !
After several seconds the below window appears:

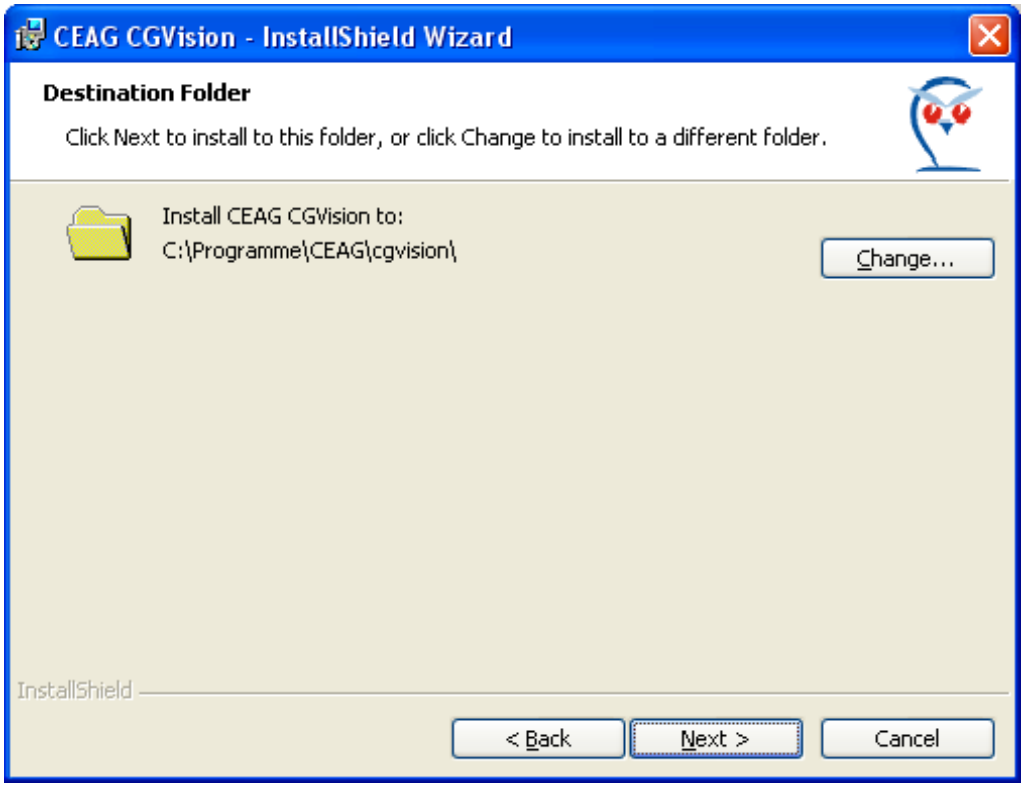
CGVision:

When the InstallShield Wizard starts, please continue with clicking „Next“.

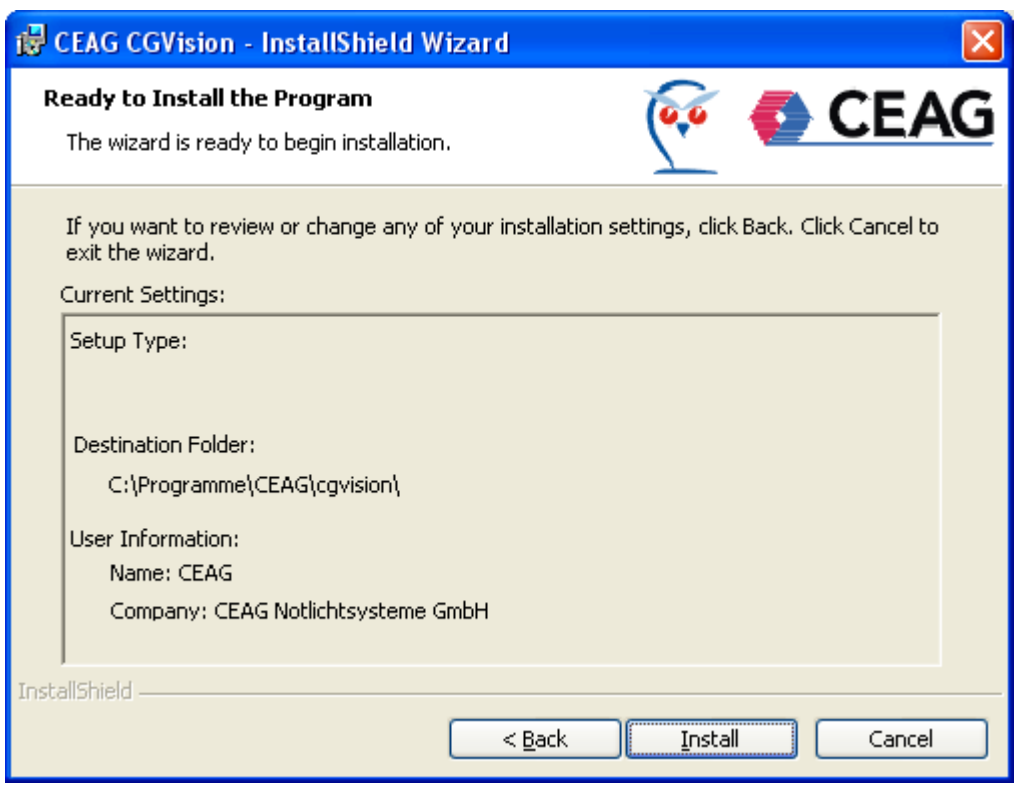


On the following picture the target directory will suggest the wizard. It is recommended to maintain the suggested directory.

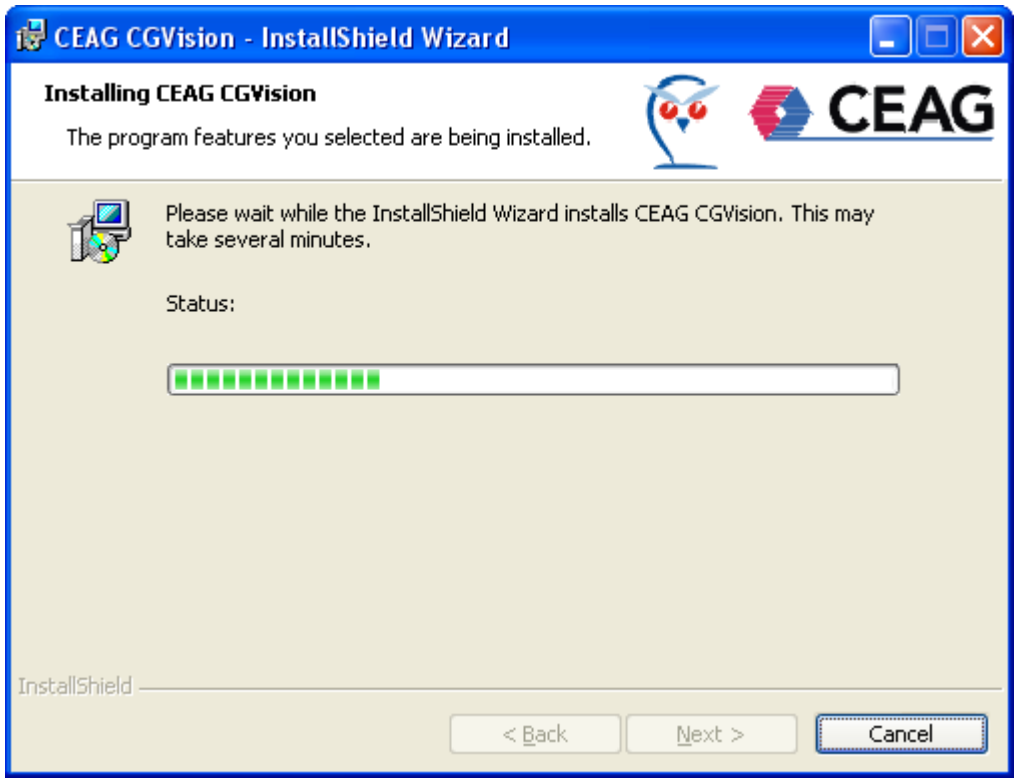
Continue with „Next“. (With „Change“ you are able to change the target directory)



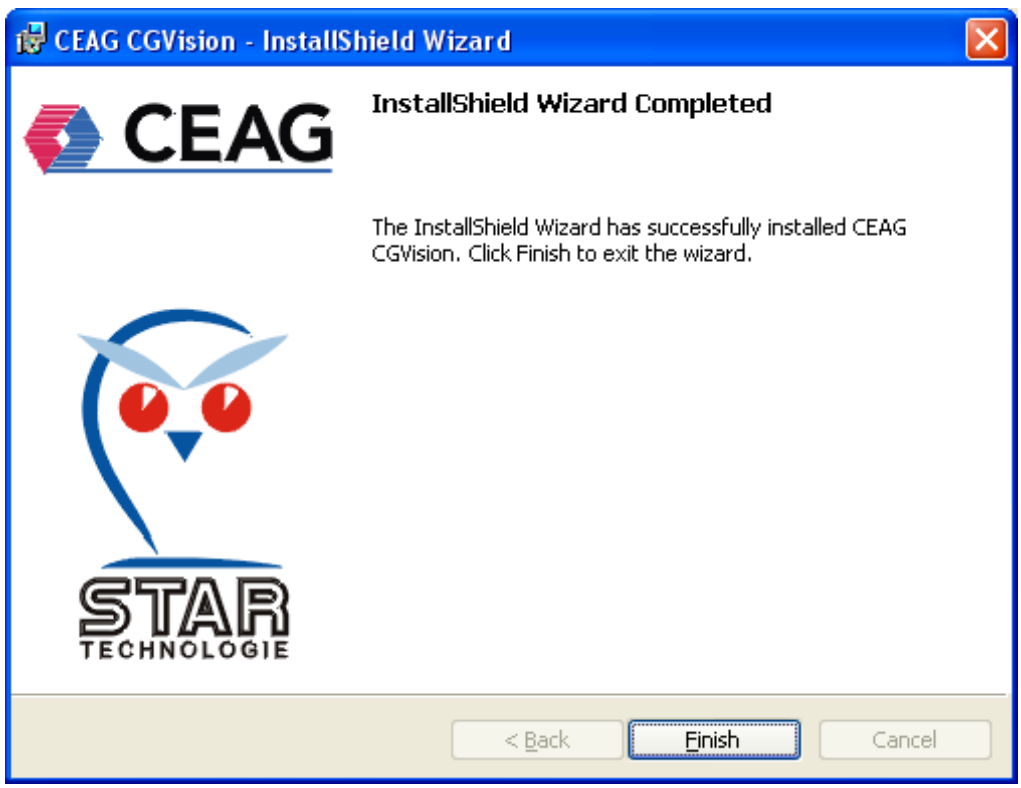
Continue with „Install“:



Controlpicture of the installation with a progress display:

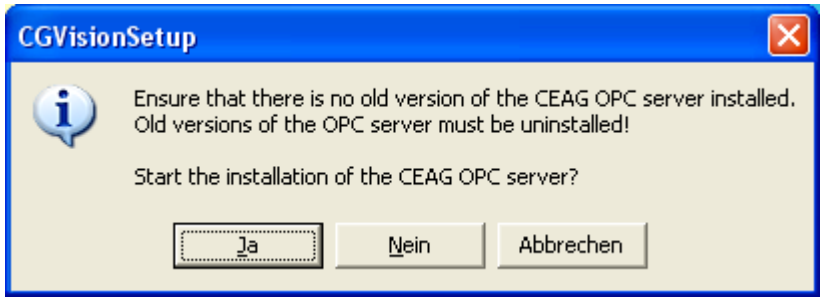


The installation of CGVision has now finished. Please click „Finish“, to exit the installation routine.



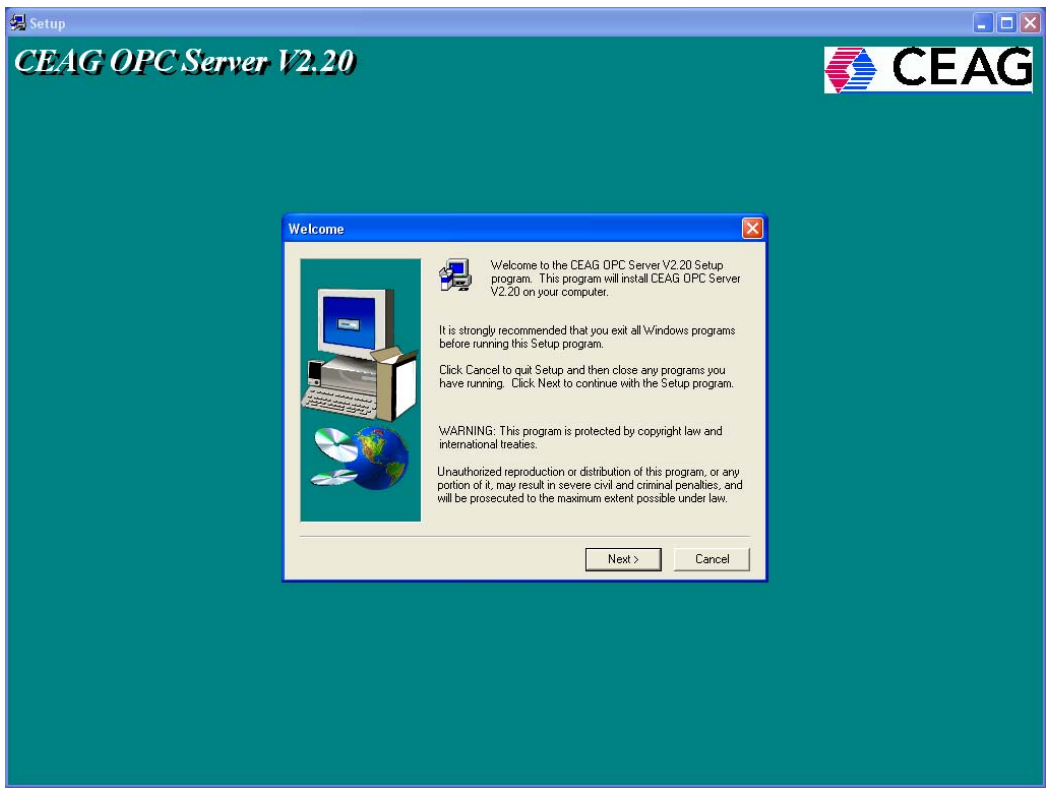
OPC-Server CG-S:

The window for the installation of the OPC-server appears again:



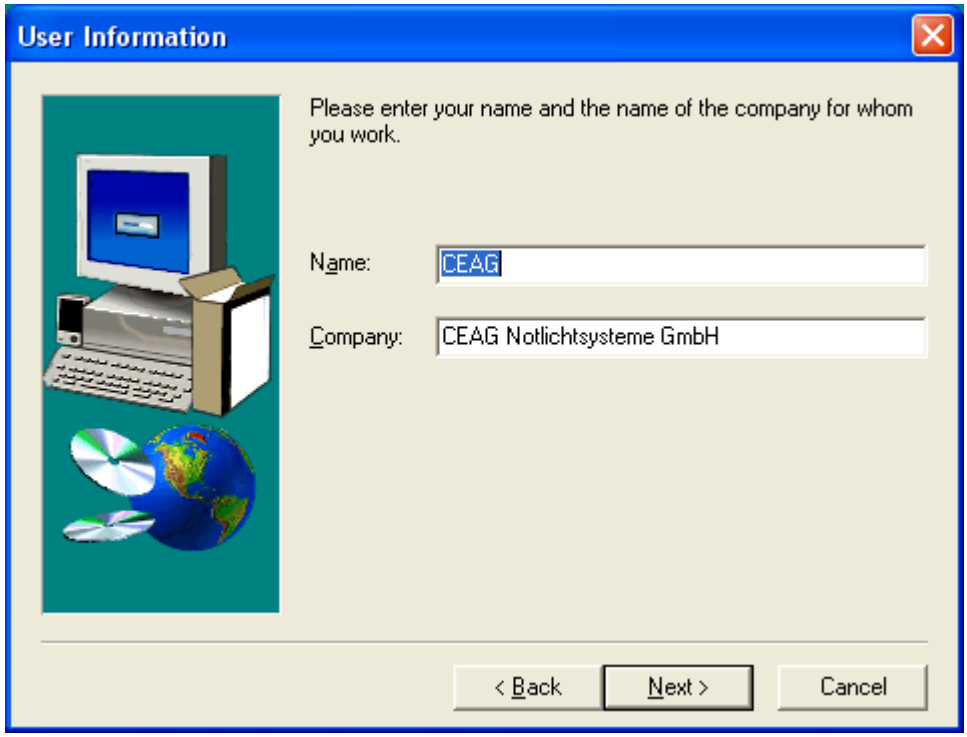
If an old version of CEAG OPC-Server is not installed, the installation can be continued with „Ja“ (Yes).

After start of the installation, a message appears to close all Windows applications, before the installation is able to continue.

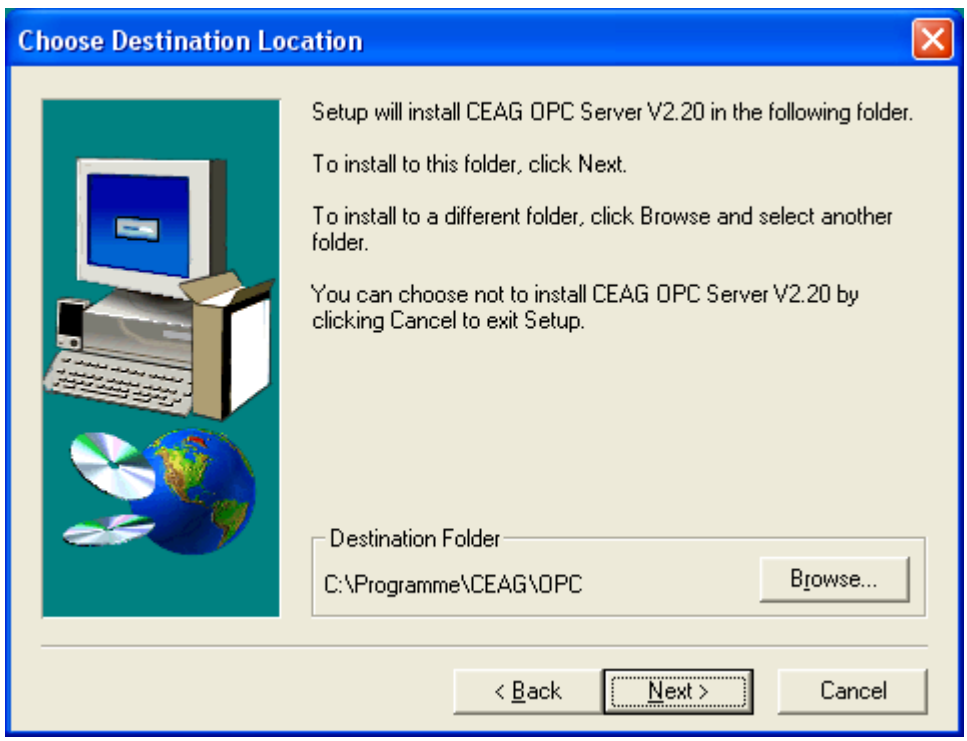


Continue with „Next“.

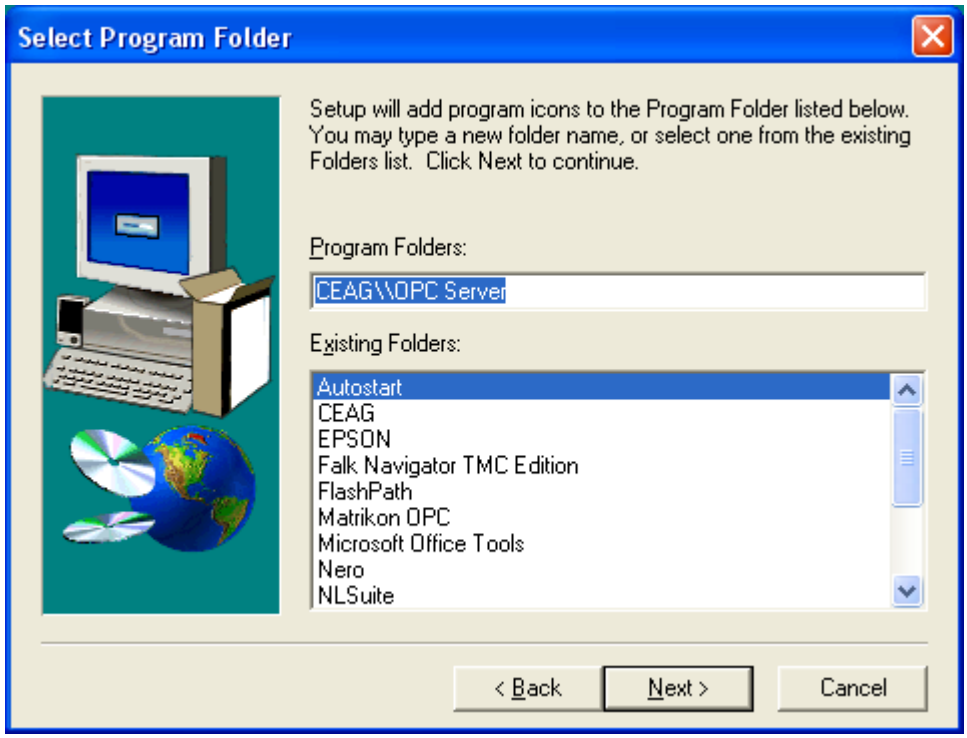
In the following window you are able to type in your „Name“ and your „Company“. (max. 40 letters each field are allowed). Continue with „Next“.



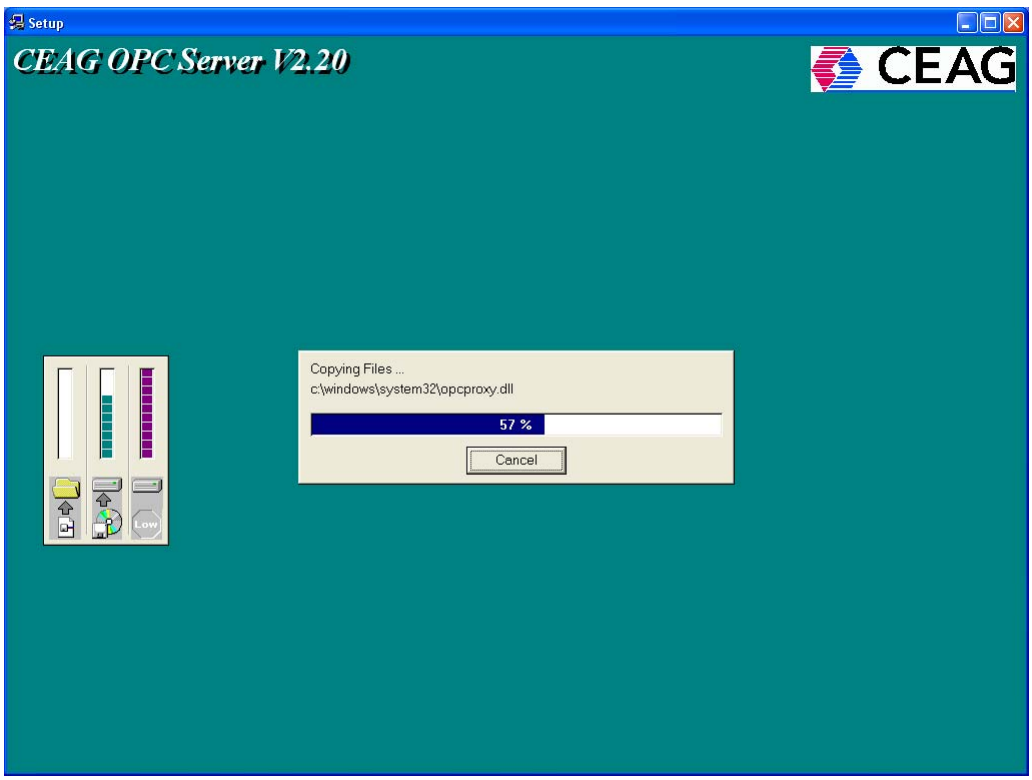
Now you have the possibility to select the destination directory appears again. It is recommended to hold the default destination directory, as well.
Continue with „Next“:



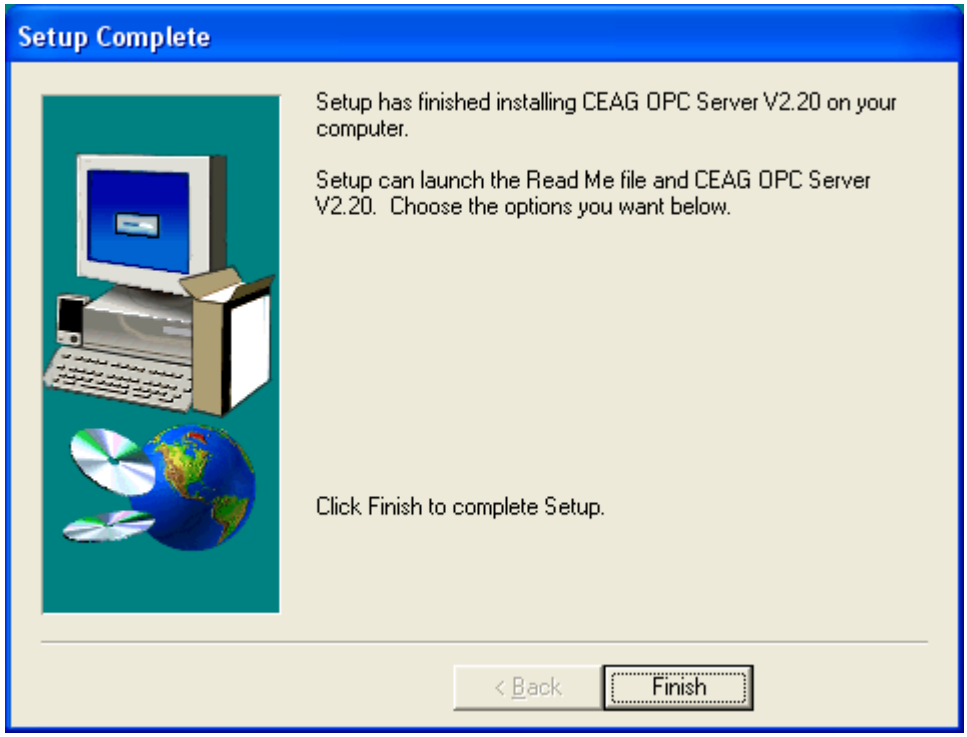
A request of the icon name follows, please hold the suggestion. Continue with „Next“:



Controlpicture of the installation with a progress display:

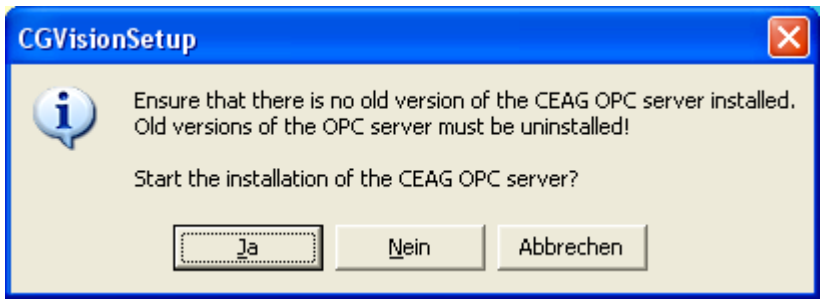


The installation is now completed. Continue with „Finish“:

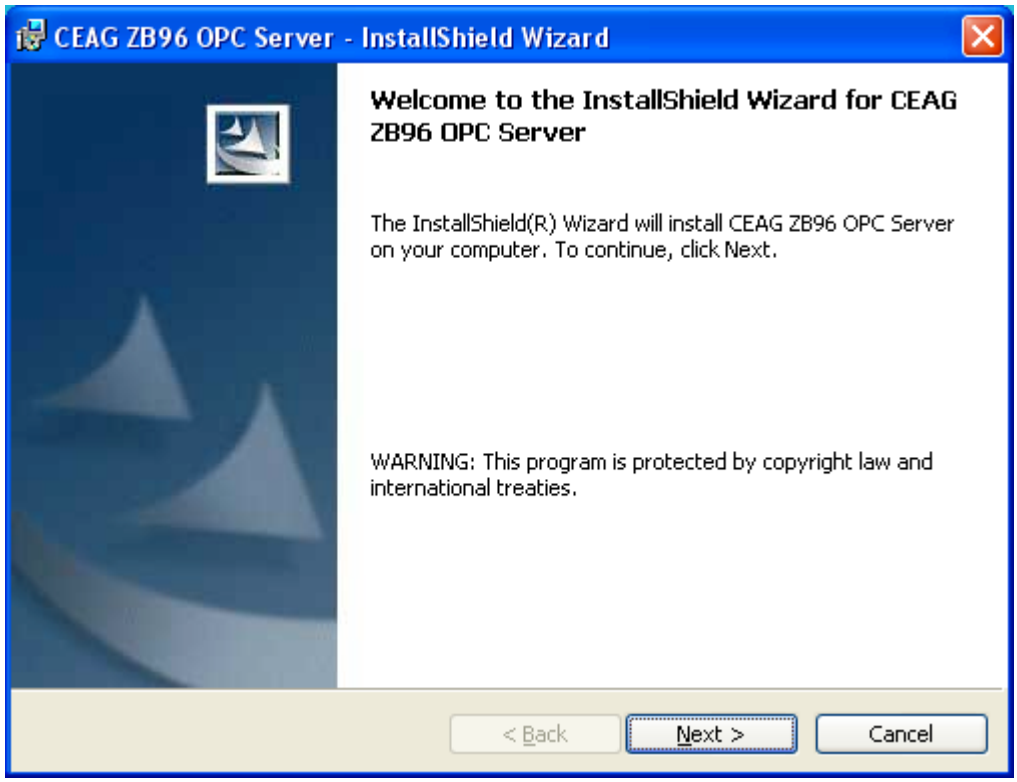


OPC-Server ZB96:

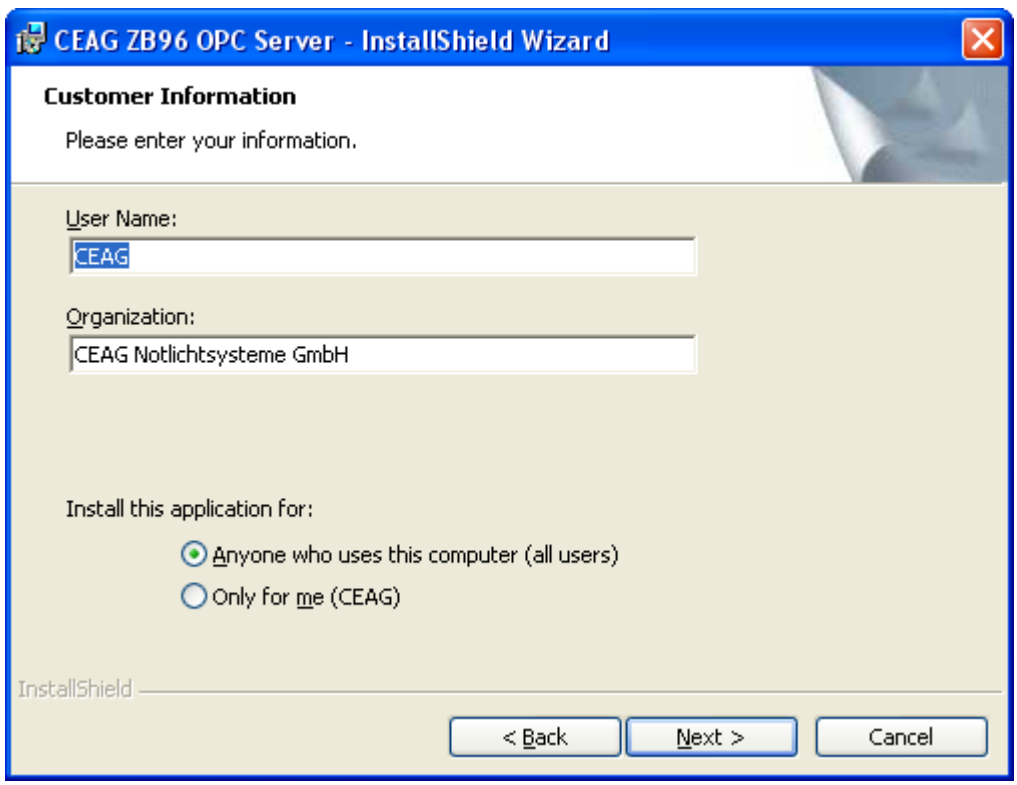
A window for the installation of the OPC-Server ZB96 appears. For installation continue with „Ja“:



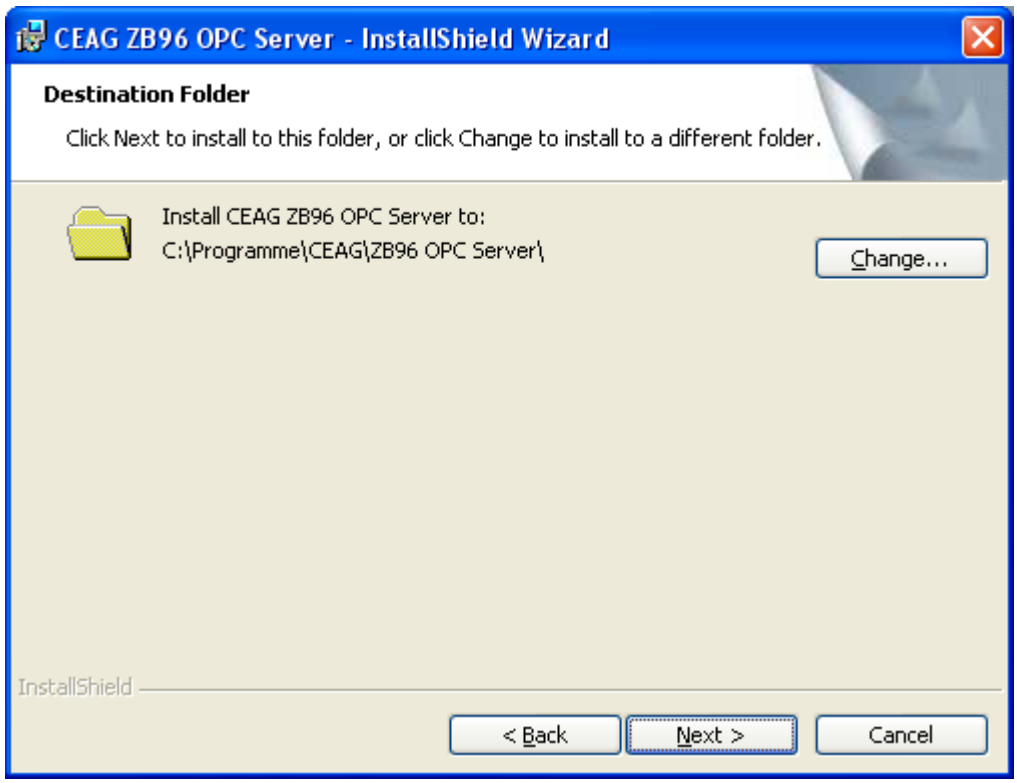
The installShield wizard starts, please continue with clicking „Next“.



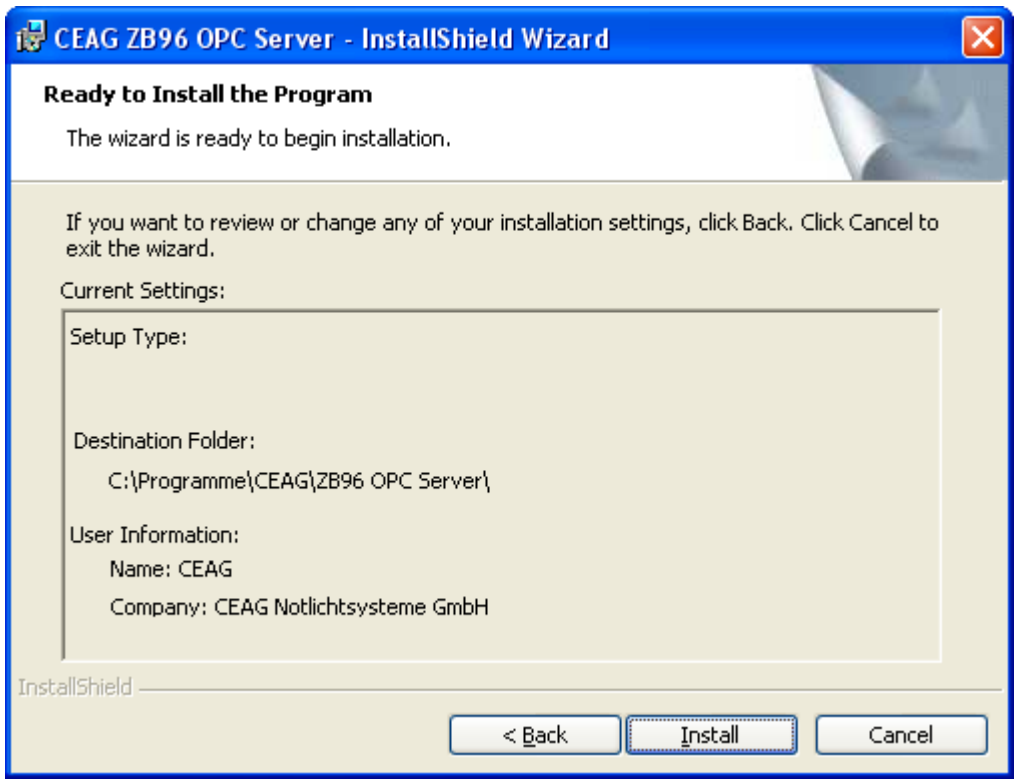
In the following window you able to type in your „Name“ and your „Company“. Continue with „Next“.



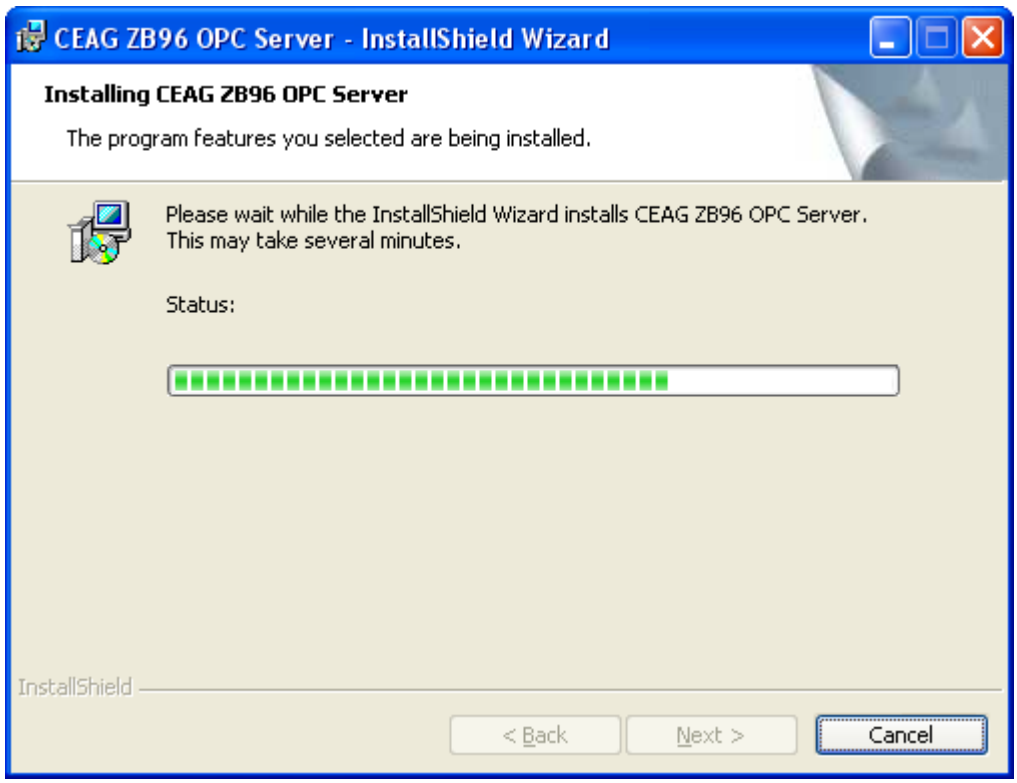
Now you have the possibility to select the destination directory appears again. It is recommended to hold the default destination directory, as well.
Continue with „Next“:



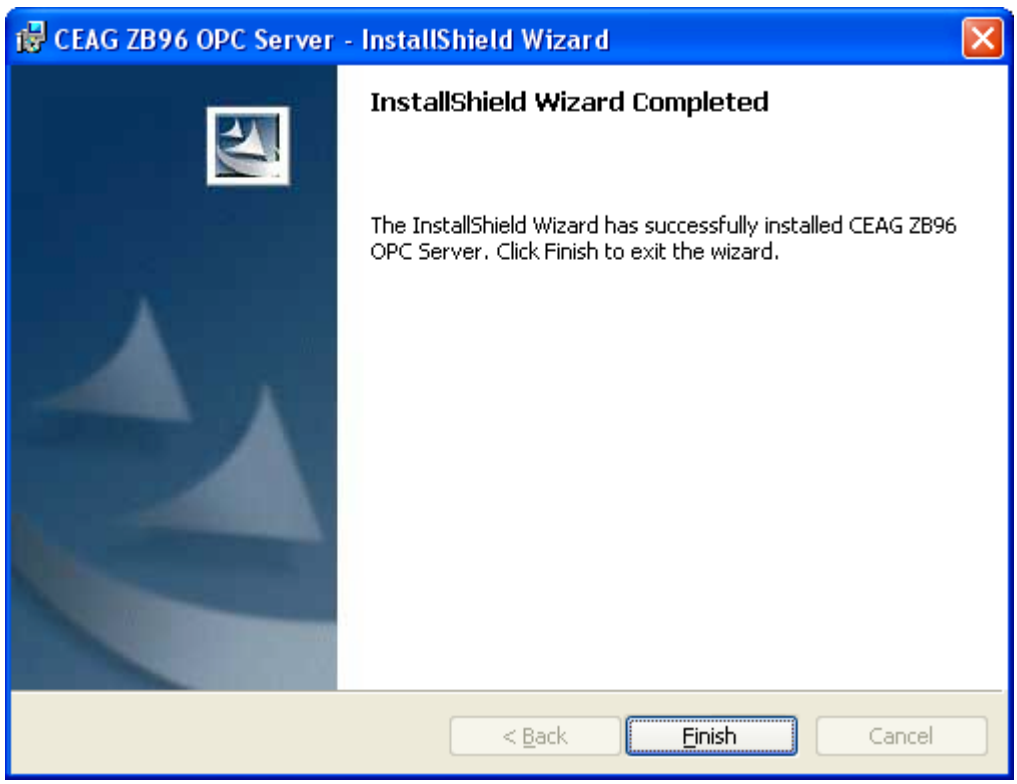
Continue with „Install“.



Controlpicture of the installation with a progress display:

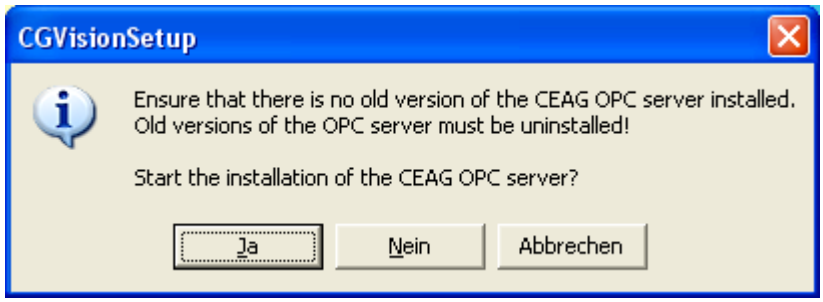


The installation of the CGVision and the OPC-Servers is now completed. Continue with „Finish“:

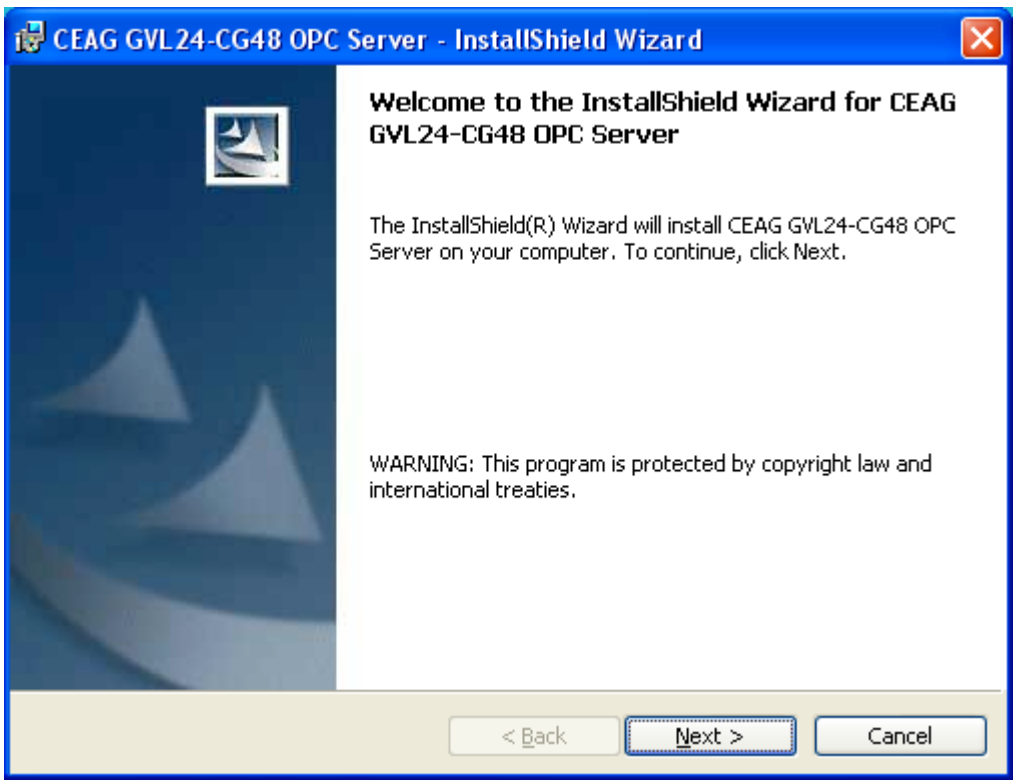


OPC-Server GVL 24.1 / CG48:

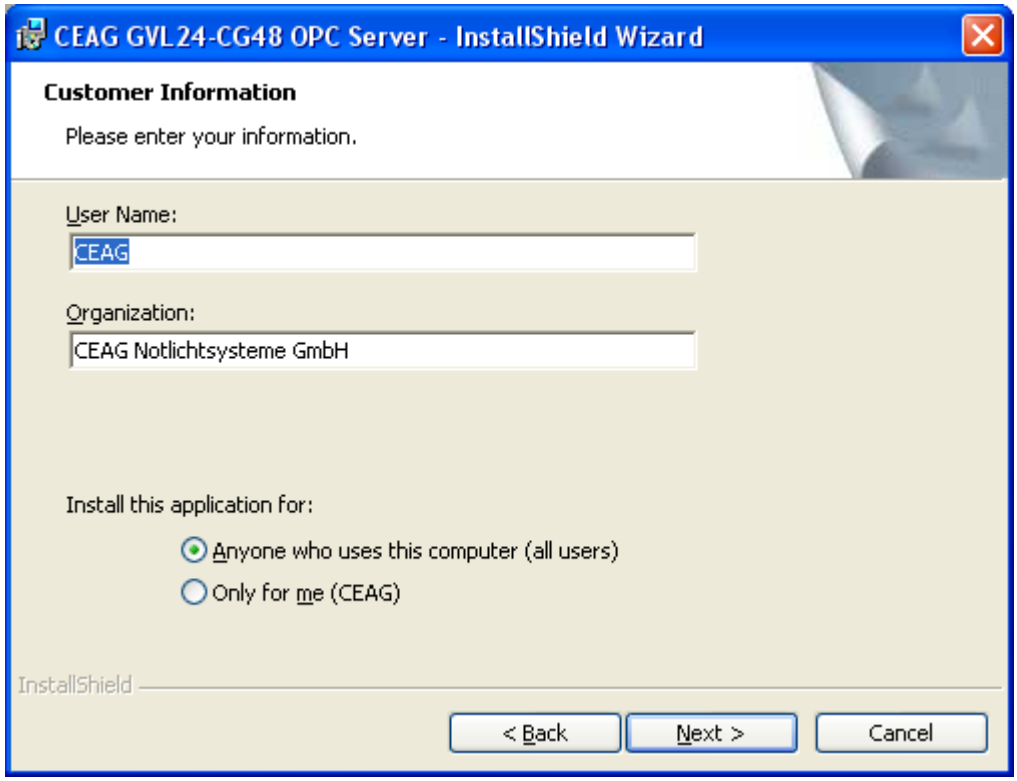
A window for the installation of the OPC-Server GVL 24.1 / CG48 appears.
For installation continue with „Ja“:



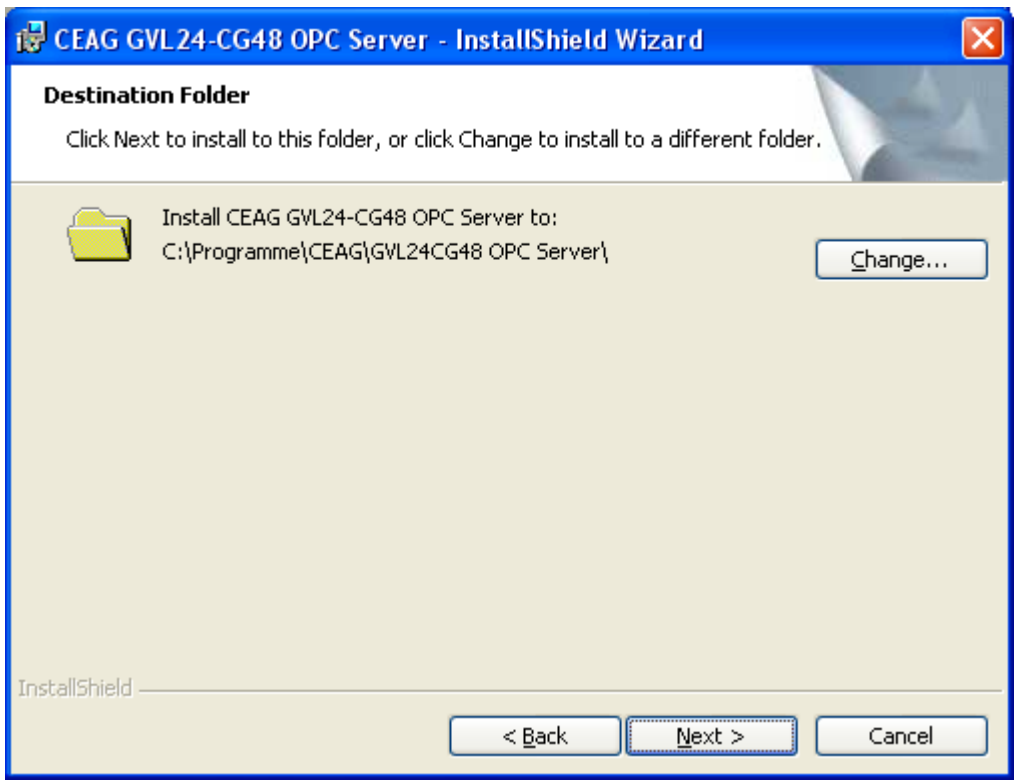
The installShield wizard starts, please continue with clicking „Next“.



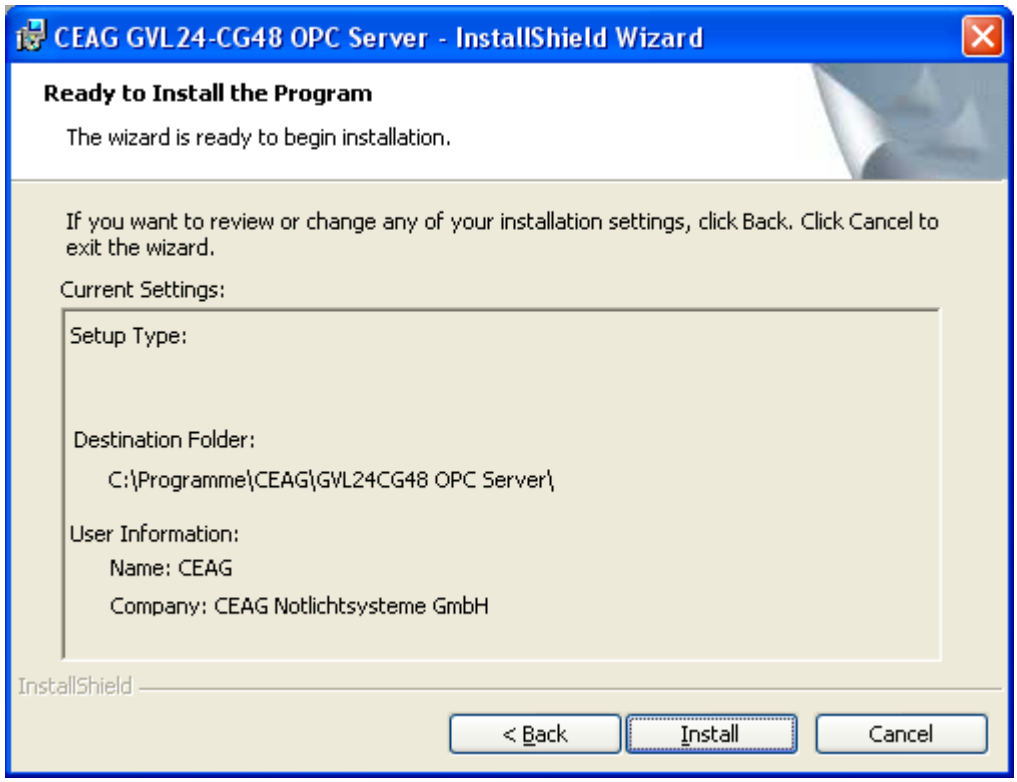
In the following window you able to type in your „Name“ and your „Company“. Continue with „Next“.



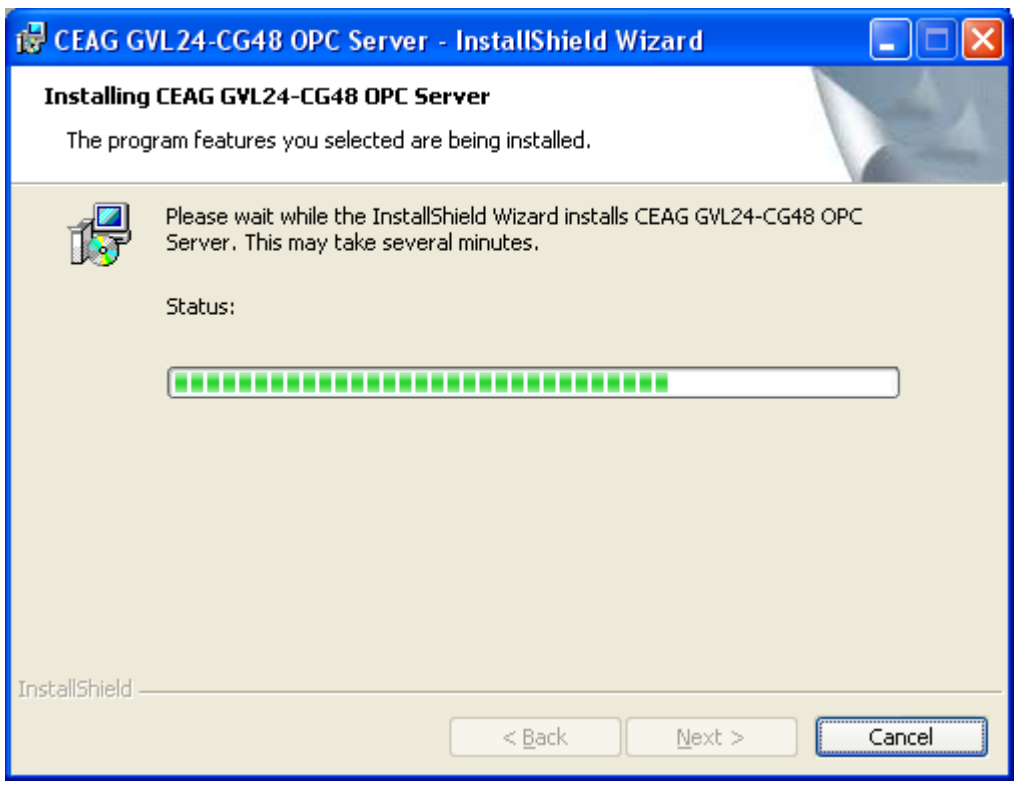
Now you have the possibility to select the destination directory appears again. It is recommended to hold the default destination directory, as well.
Continue with „Next“:



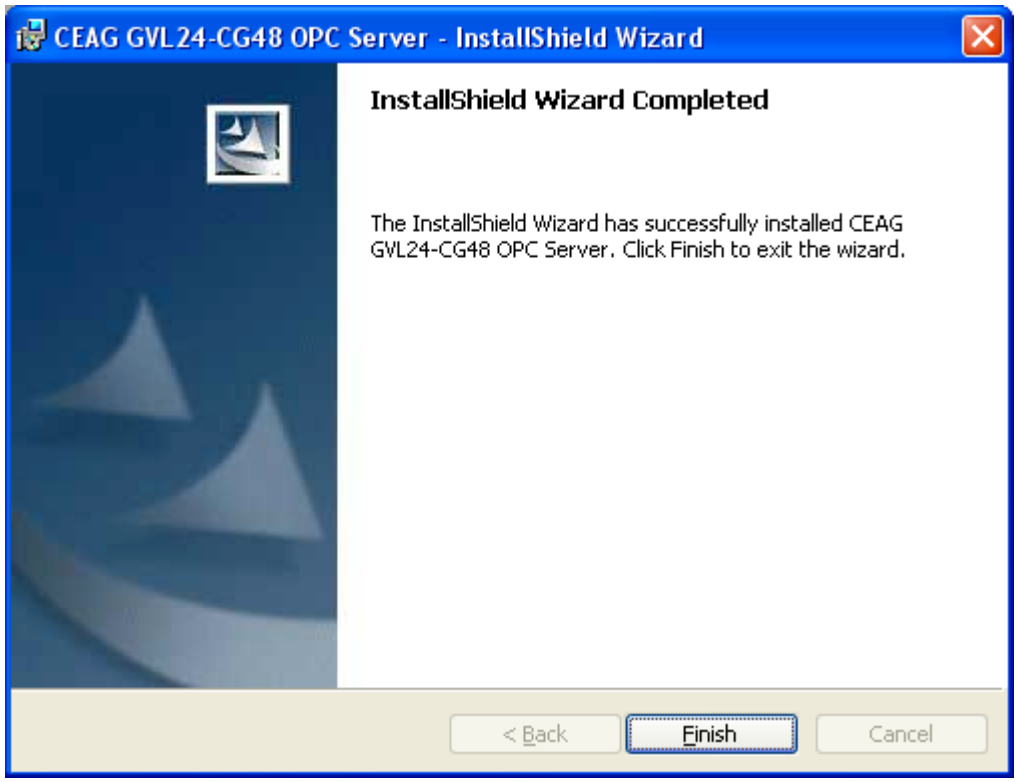
Continue with „Install“.



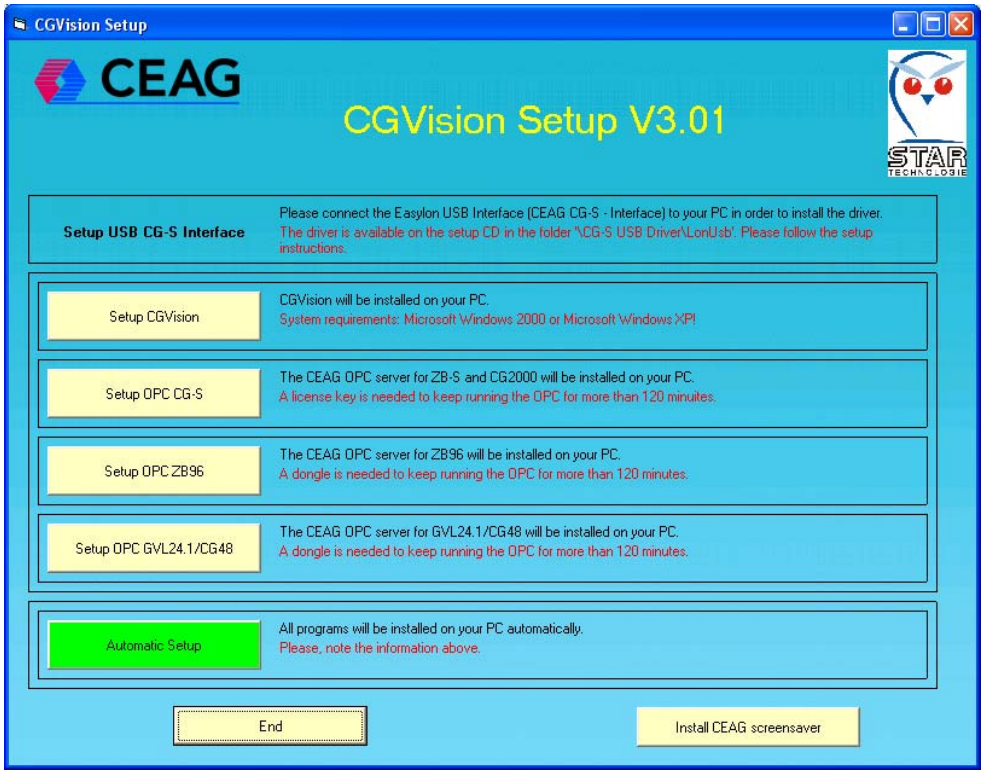
Controlpicture of the installation with a progress display:



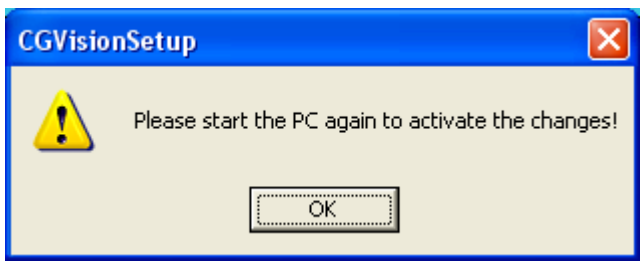
The installation of the CGVision and the OPC-Servers is now completed. Continue with „Finish“:



After the installation, the window „CGVision Setup“ appears again. To leave the menu, click on button „End“.

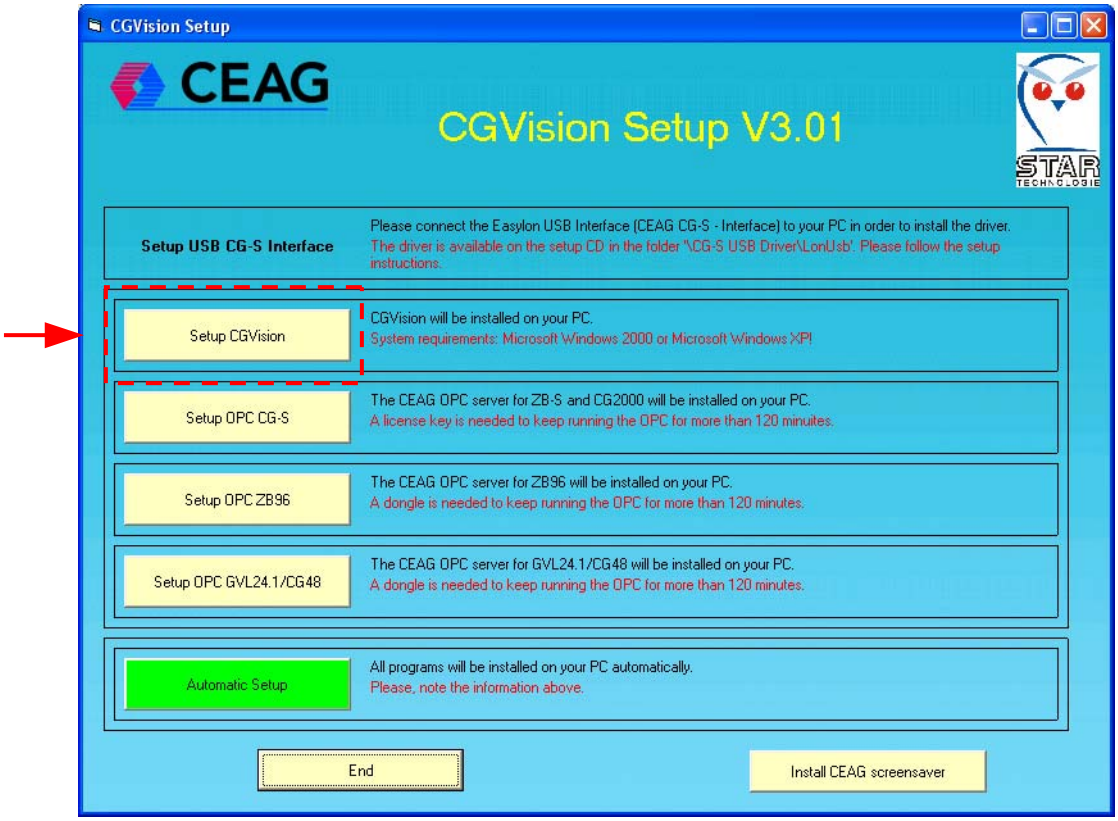


Following message appears ! Please note, that the PC is to reset manual via the start button of windows, to activate the changes !

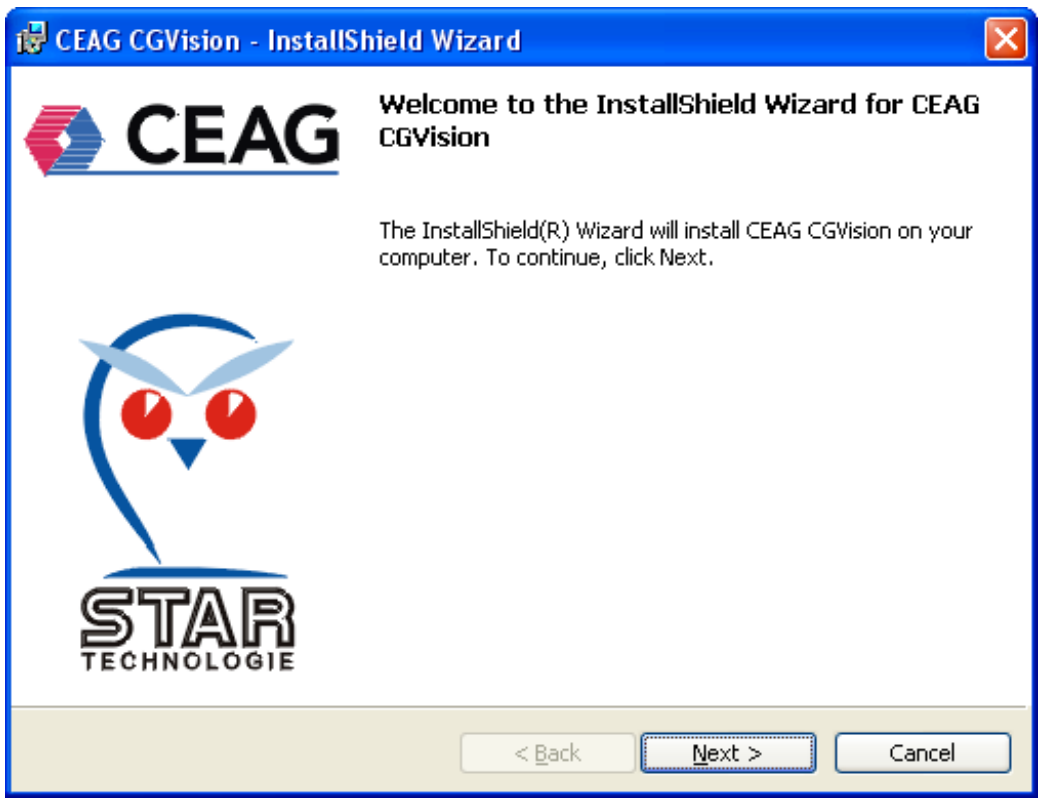


1.1.2 Manual Installation - CGVision

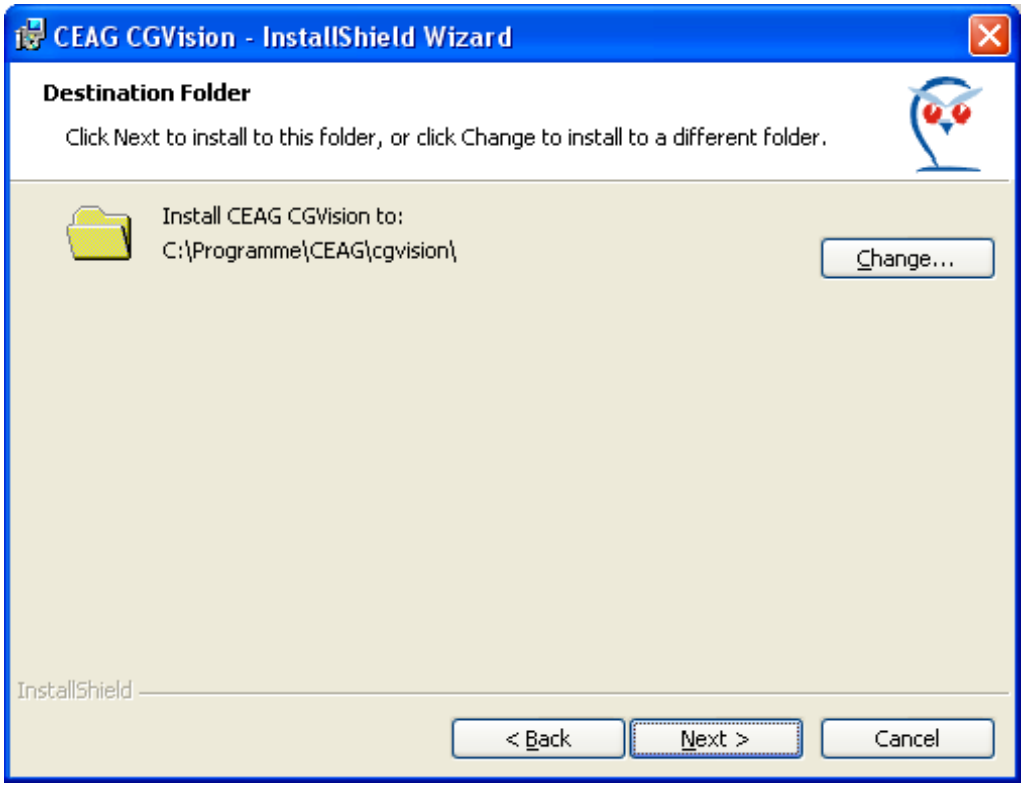
Setup CGVision:



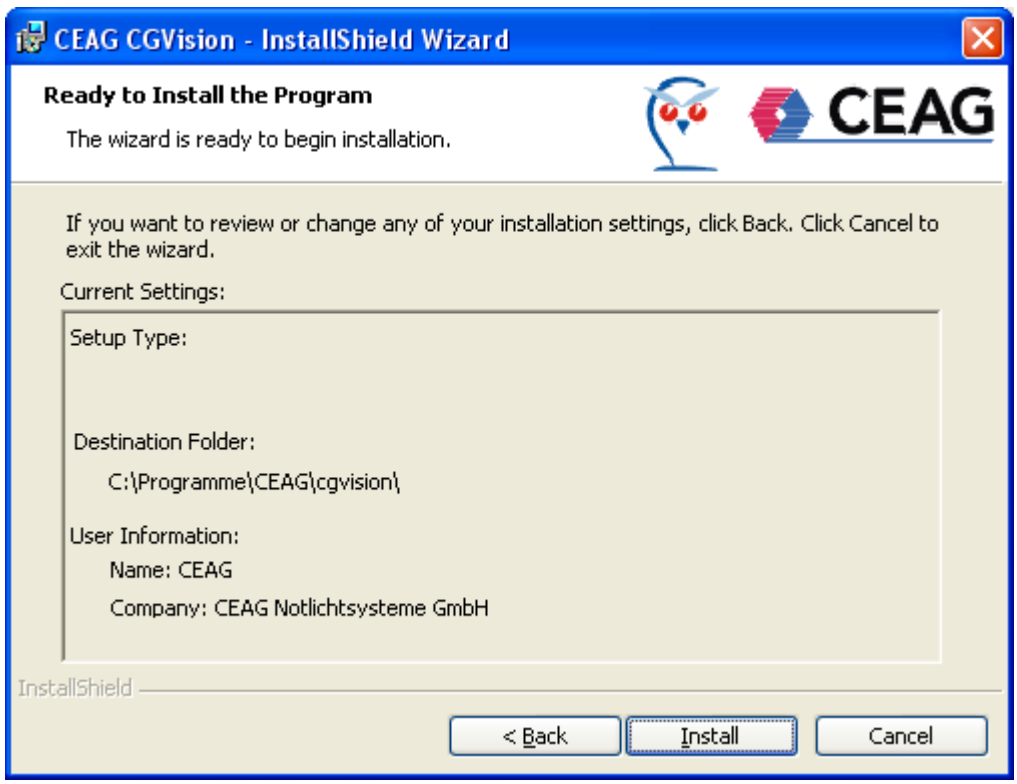
With the button „Setup CGVision“ you can start the manual installation. The Installation wizard starts, please continue with „Next“:



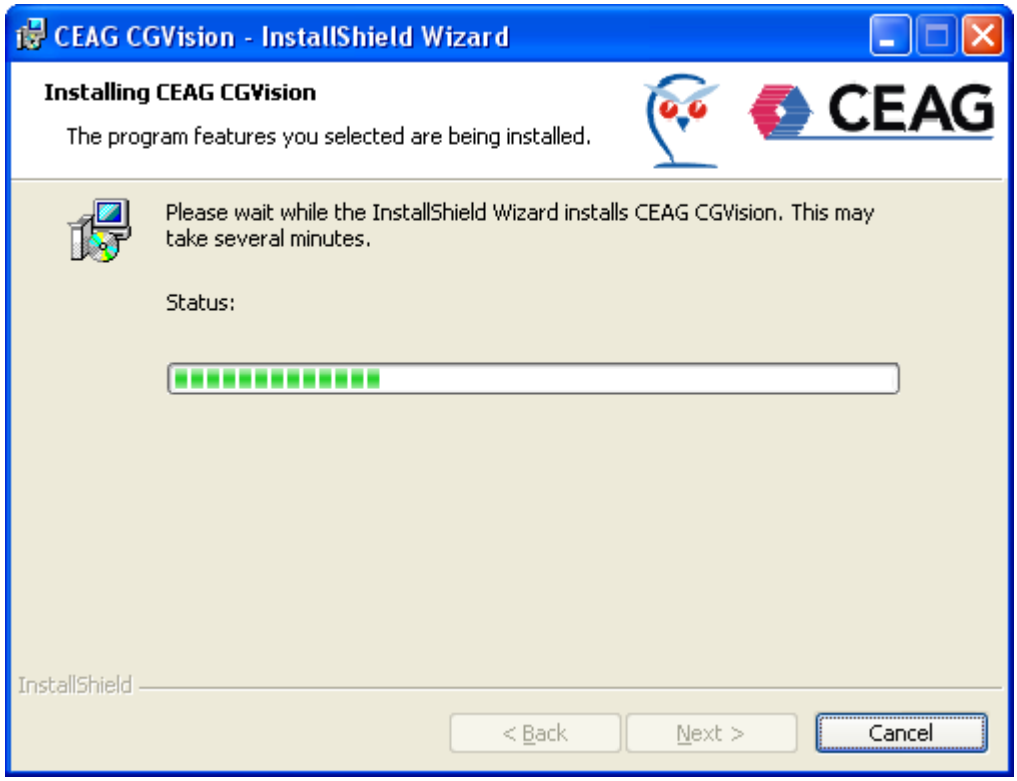
In the next window the destination folder can be selected. It is recommended to hold the suggested destination folder.
Continue with „Next“. (With „Change“, it is possible to change the folder).



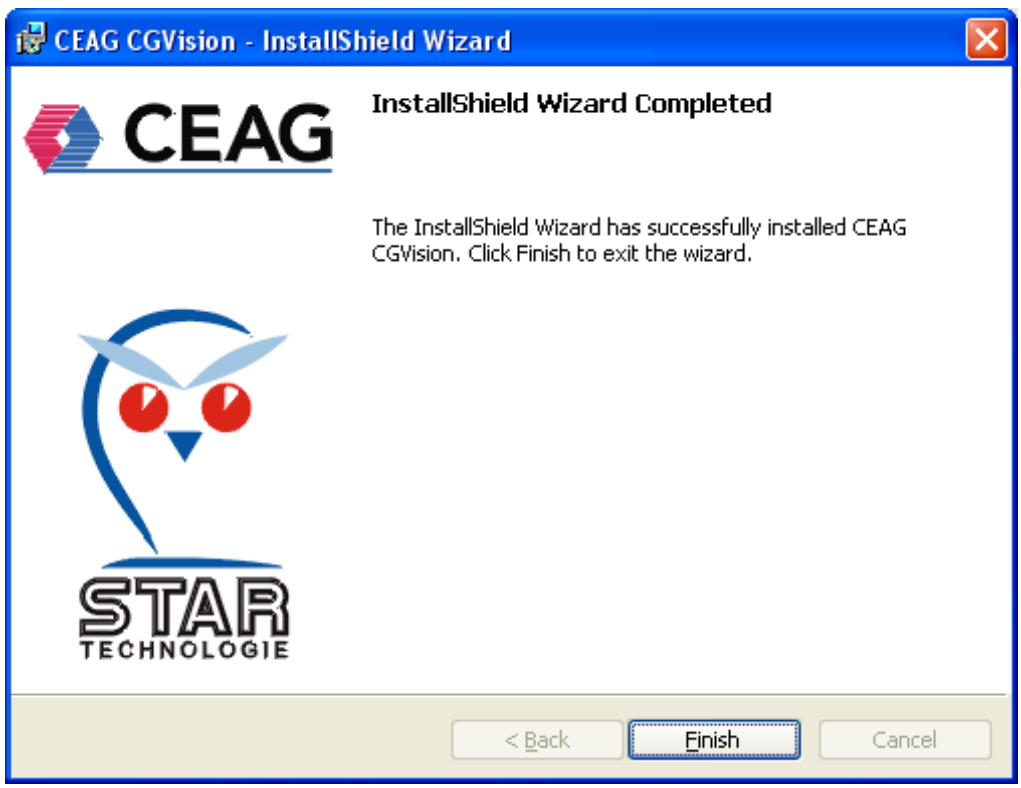
Continue with „Install“:



Controlpicture of the installation with a progress display:



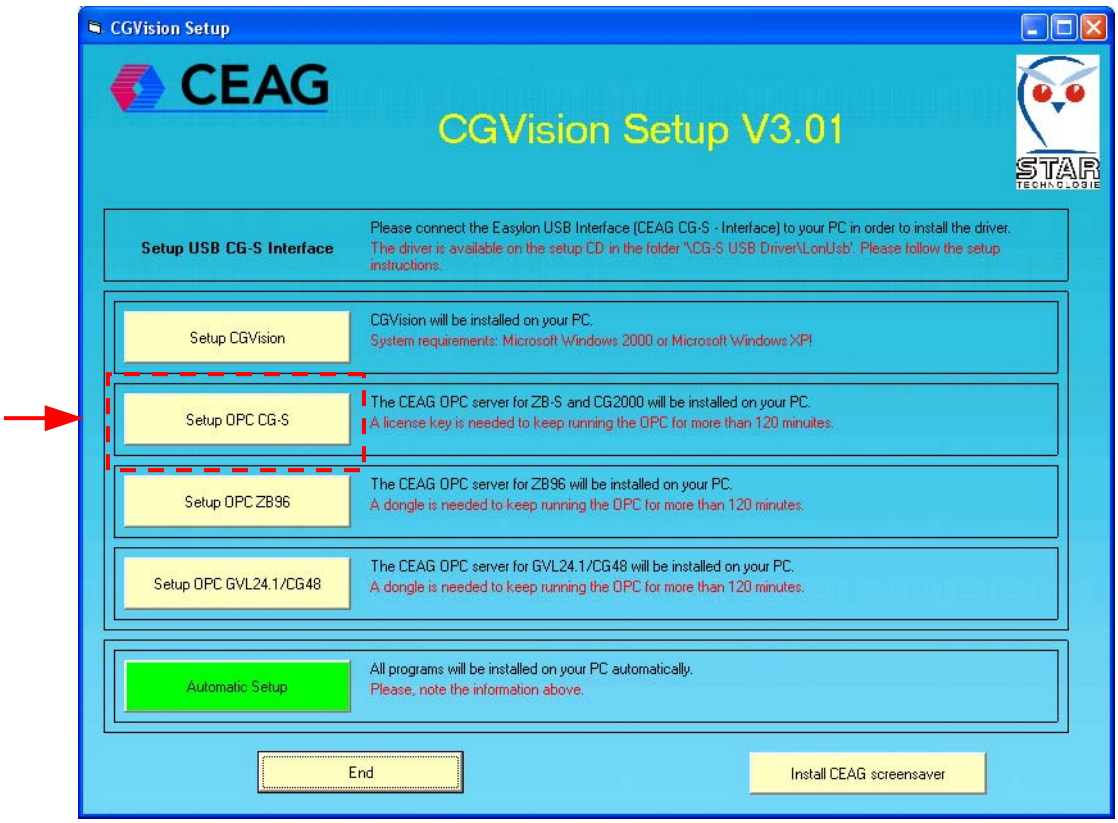
The installation of CGVision is now finished. Continue with „Finish“.



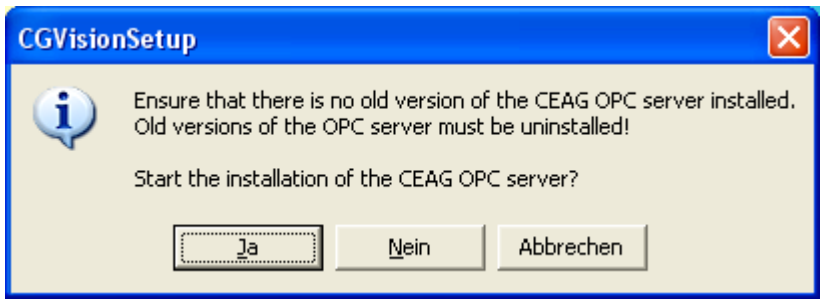
Now the installation of the OPC-Server follows.

1.1.3 Manual installation OPC Server CG-S:

Setup OPC CG-S:

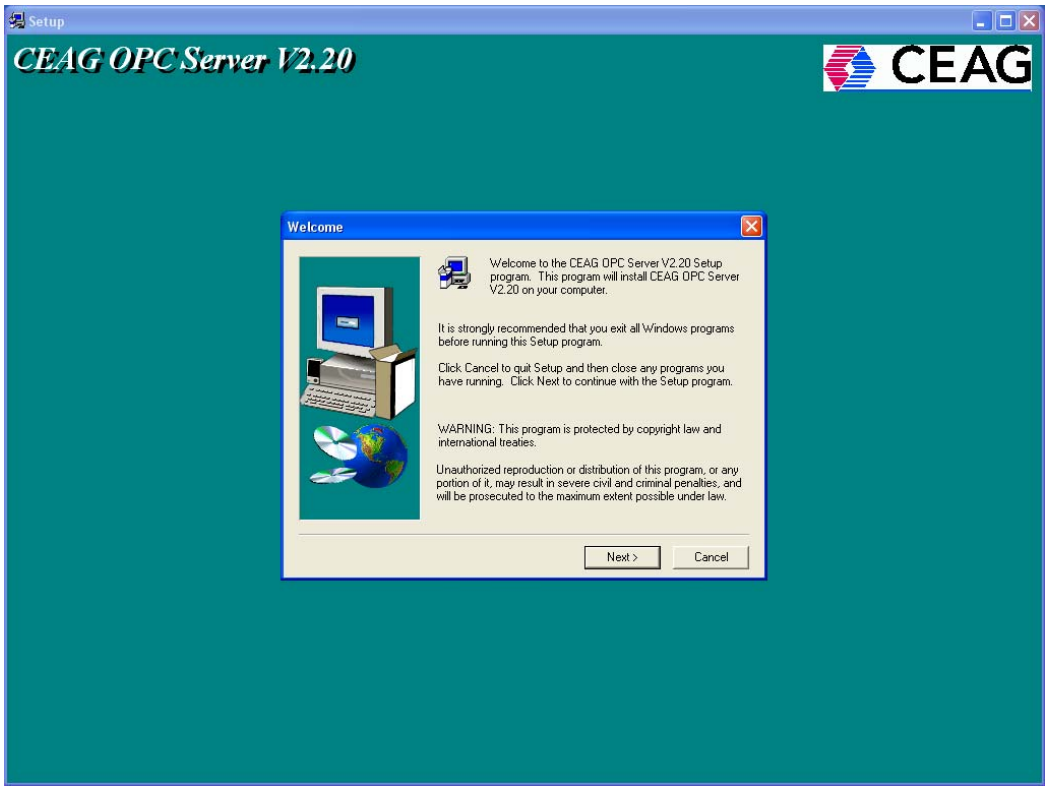


With the button „Setup OPC CG-S“ the installation of the OPC-Server will start.
Following message appears:

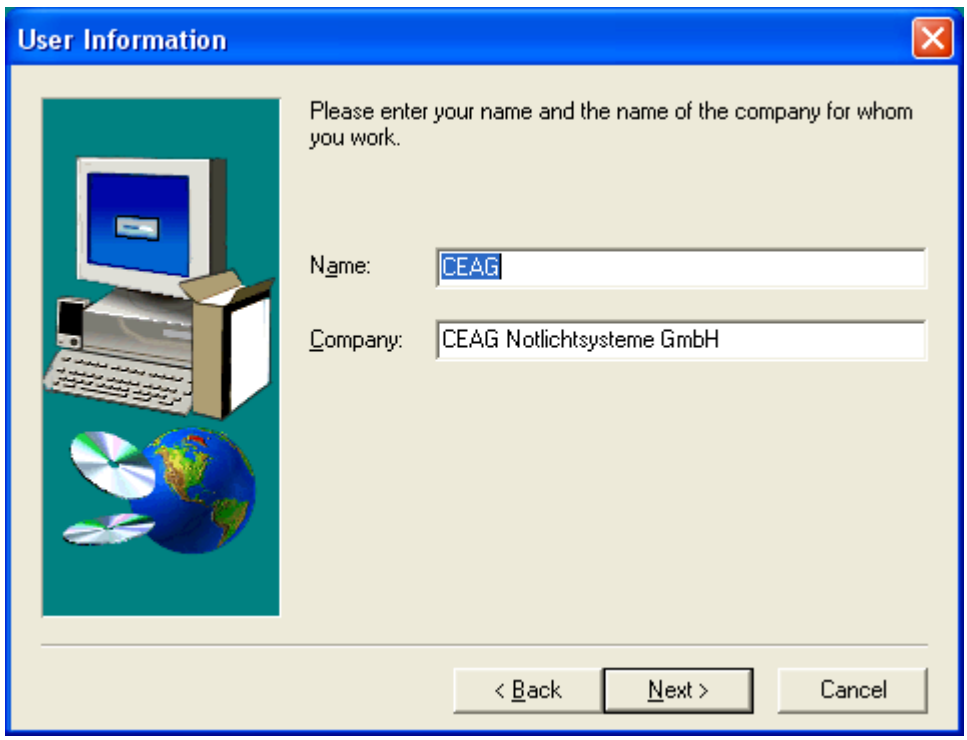


If an old version of CEAG OPC-Server is not installed, the installation can be continued with „Ja“ (Yes).
Remark: Please note that it is not possible to install a new version above an old version of CEAG OPC-Server ! In this case, the old version is to deinstall before.

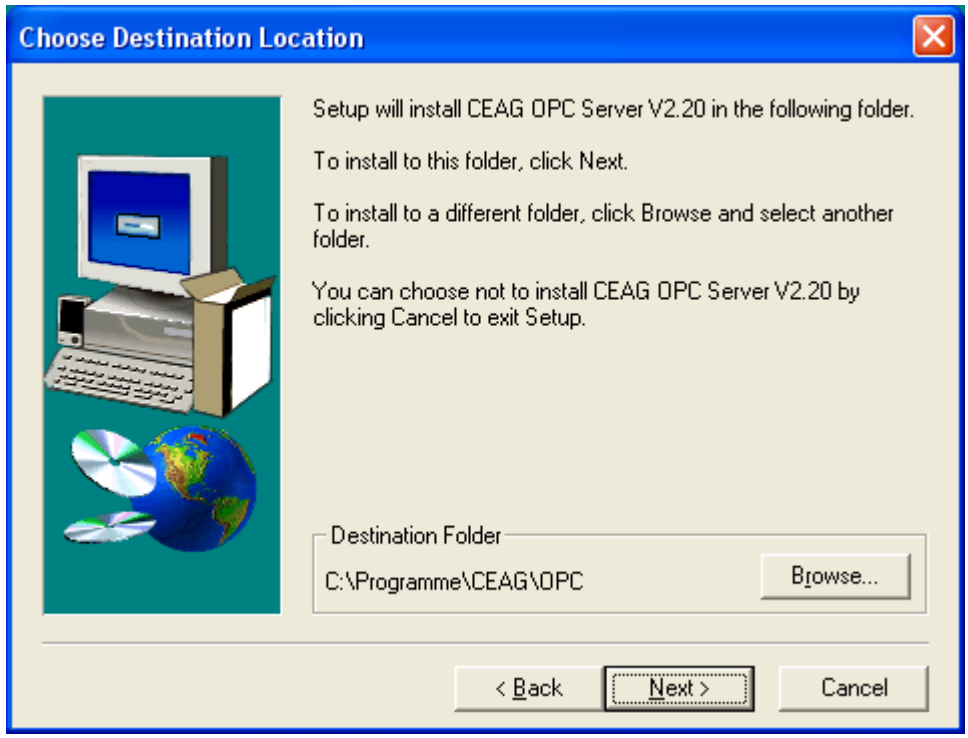
After starting of the installation, a message appears to close all Windows applications, before the installation will continue. Continue with „Next“:



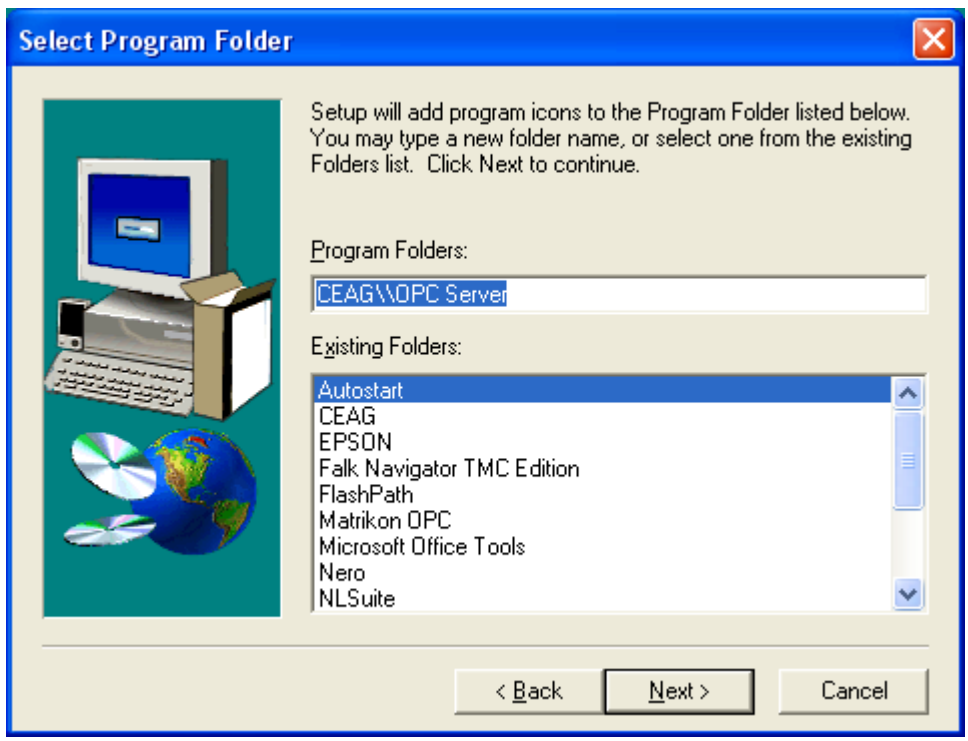
In following window you can type in your „Name“ and your „Company“. (max. 40 letters each field are allowed). Continue with „Next“.



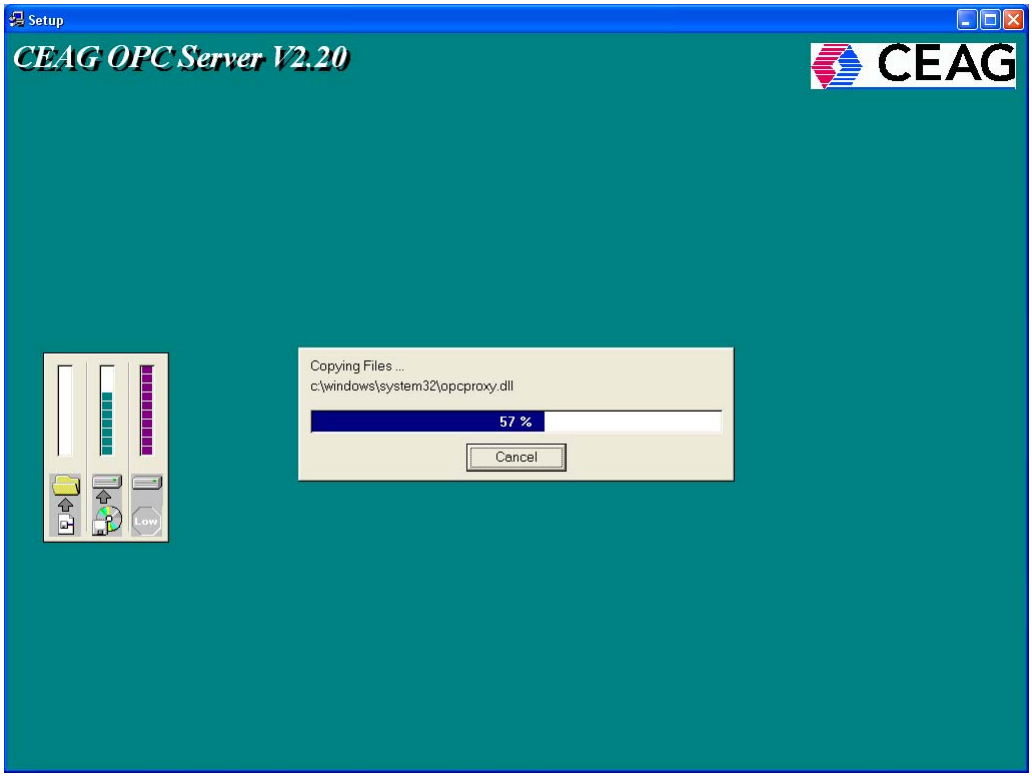
Now you have the possibility to select the destination folder when it appears again. It is recommended to hold the default destination directory, as well.
Continue with „Next“:



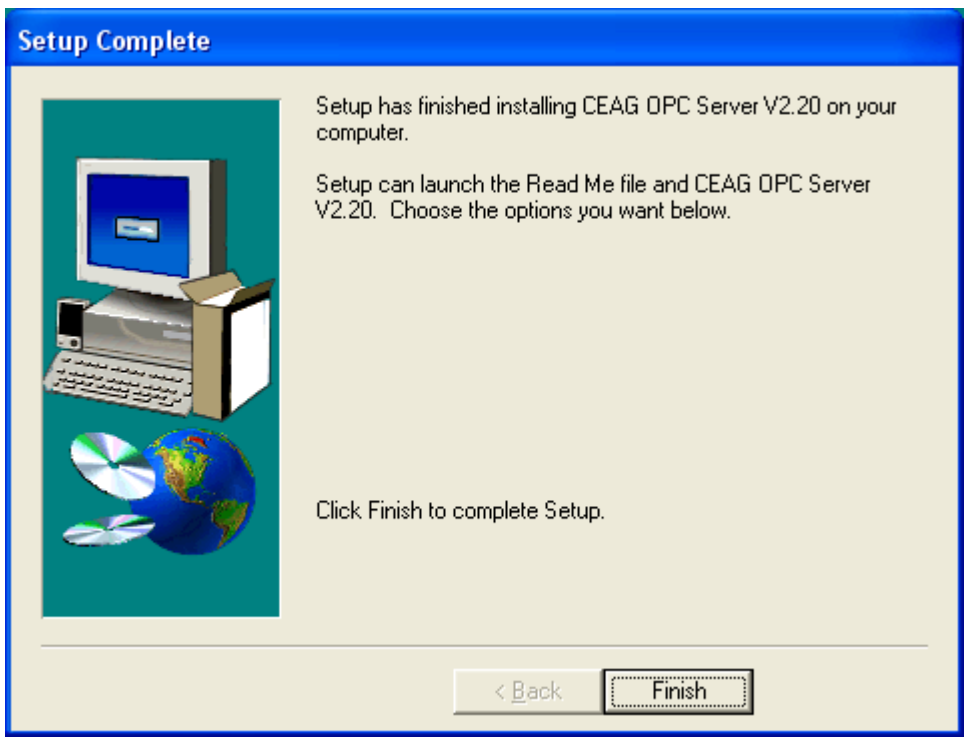
A request for the icon name follows, please hold the suggestion. Continue with „Next“:



Controlpicture of the installation with a progress display:

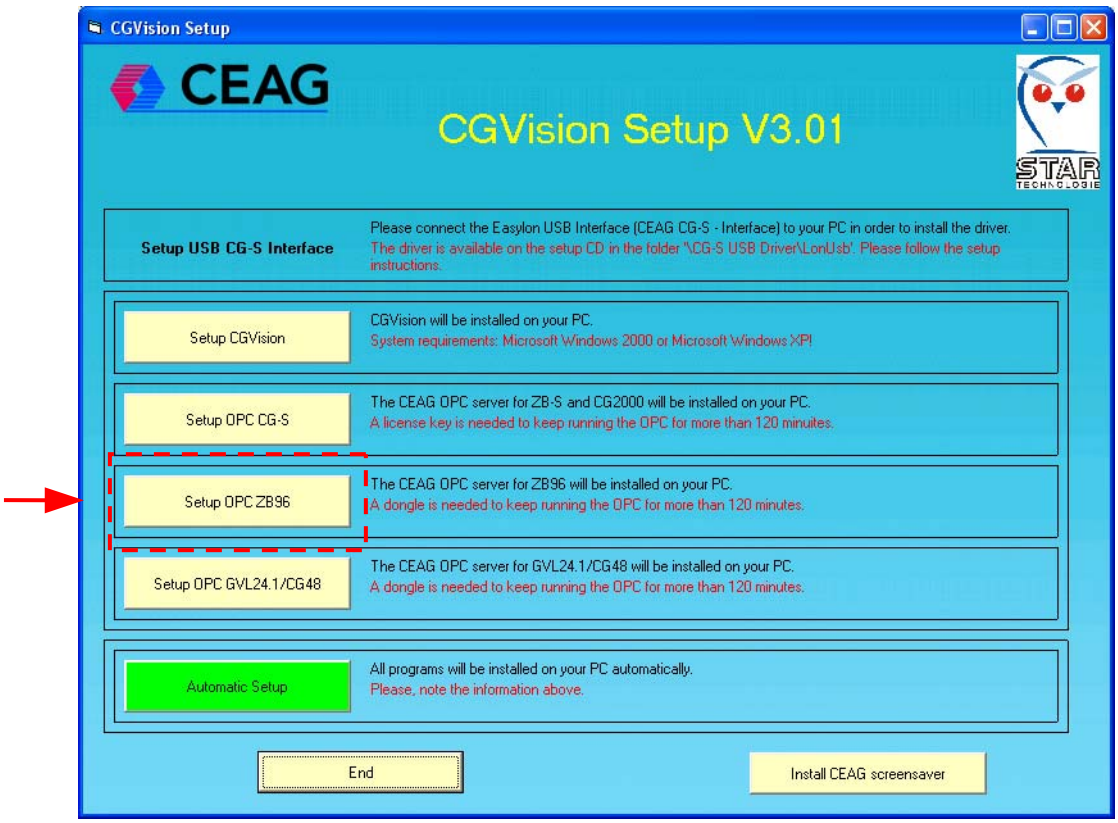


The installation has now finished. Continue with „Finish“. Please note, that the PC is to reboot manually !

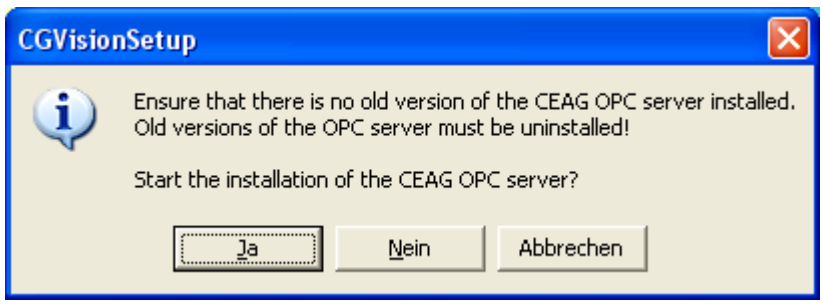


1.1.4 Manual Installation - OPC-Server ZB96

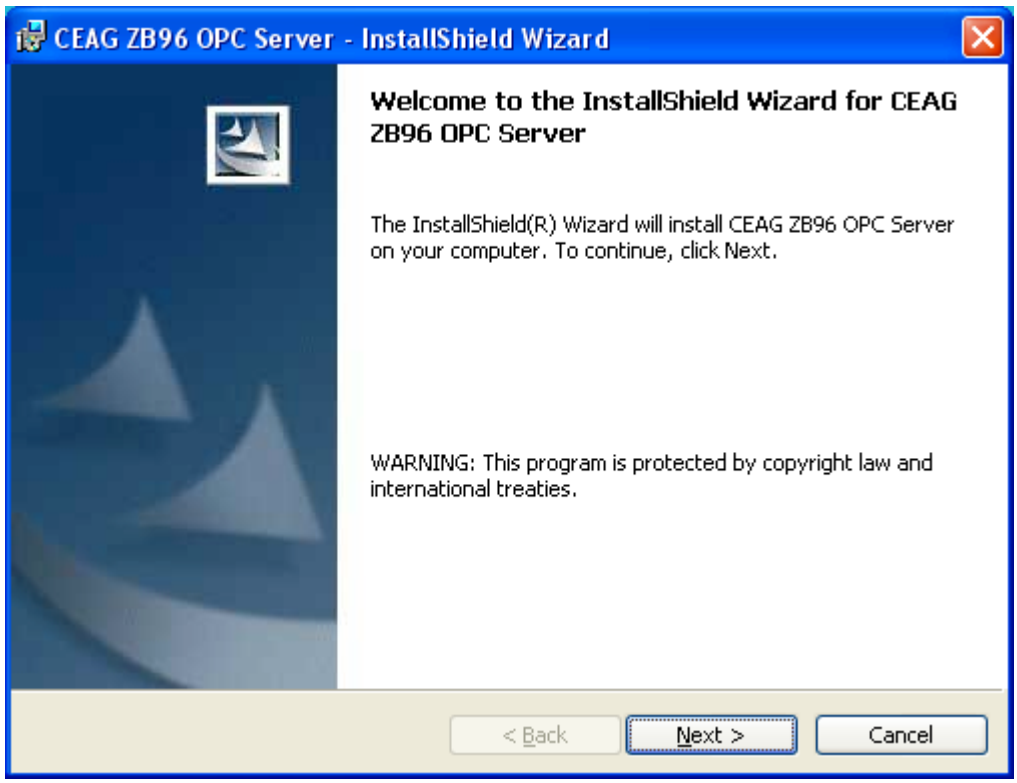
Setup OPC ZB96:



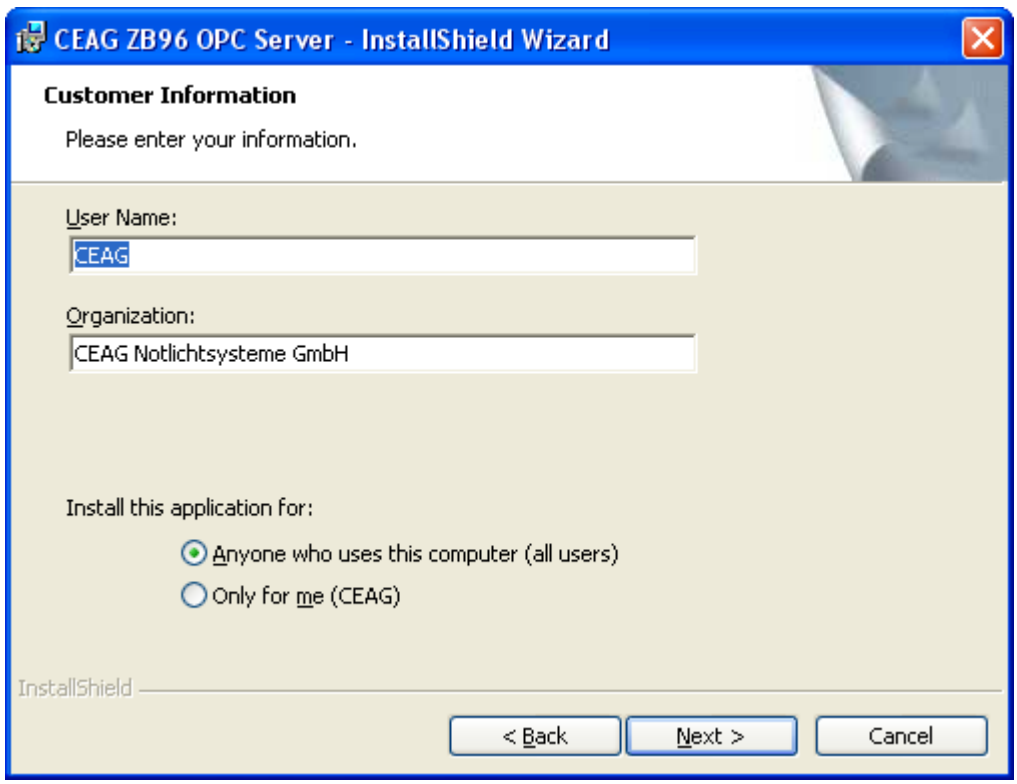
A window for the installation of the OPC-Server ZB96 appears. For installation continue with „Ja“.



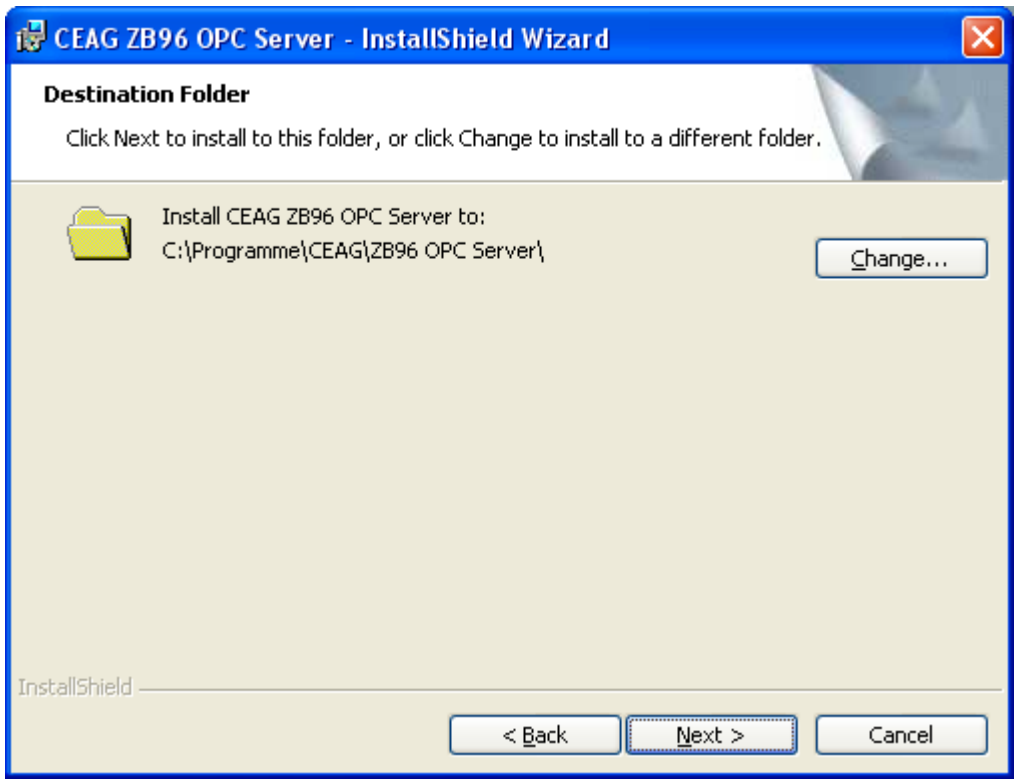
The installShield wizard starts, please continue with clicking „Next“.



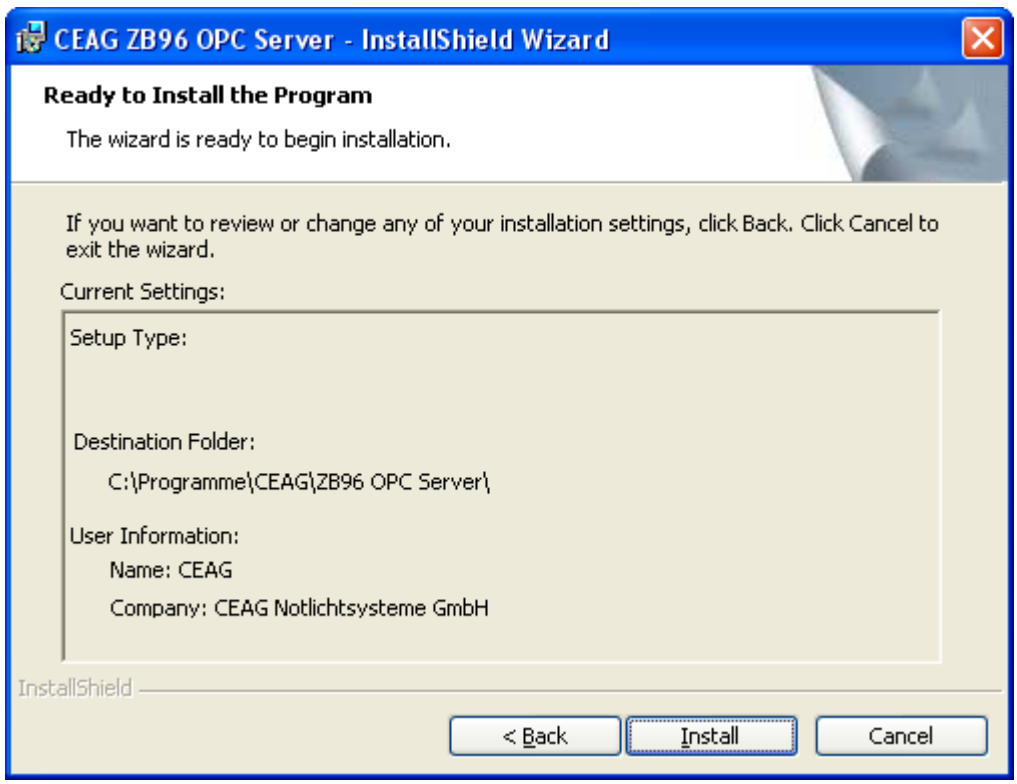
In the following window you are able to type in your „Name“ and your „Company“. Continue with „Next“.



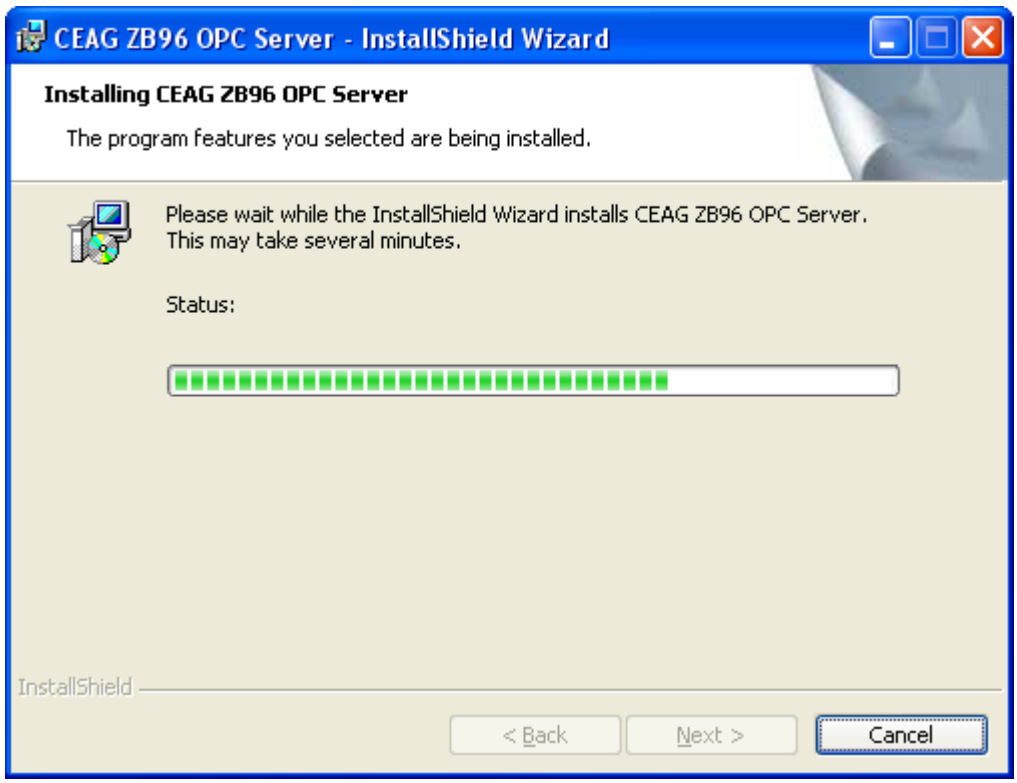
Now you have the possibility to select the destination directory appears again. It is recommended to hold the default destination directory, as well. Continue with „Next“:



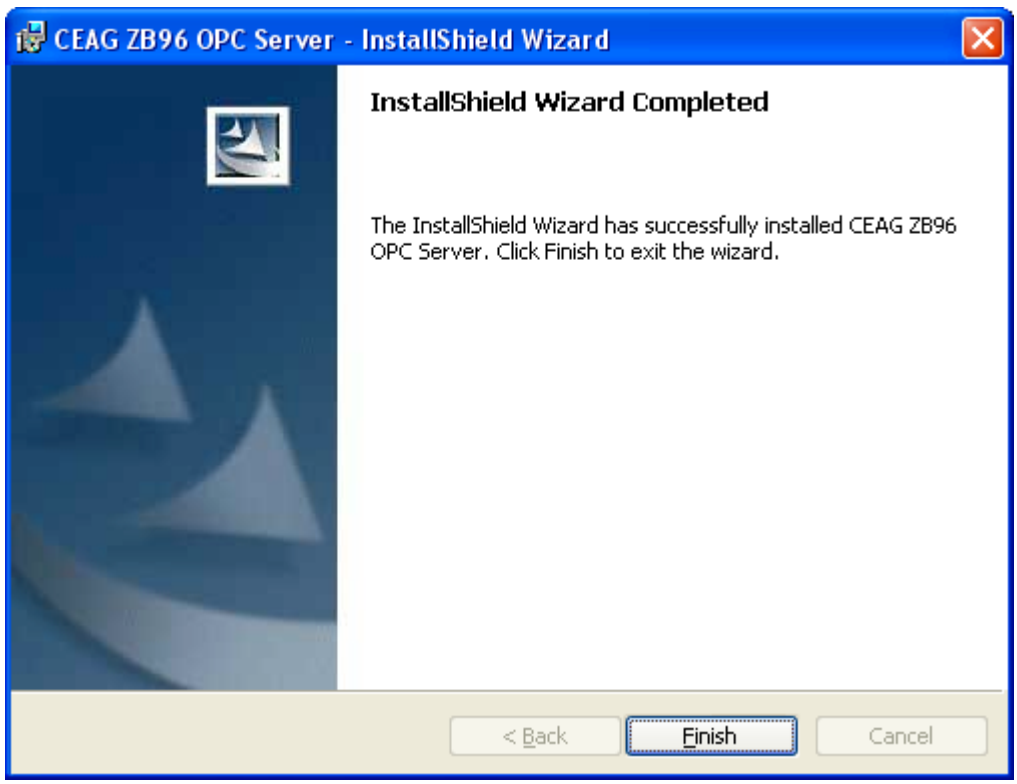
Continue with „Install“.



Controlpicture of the installation with a progress display:

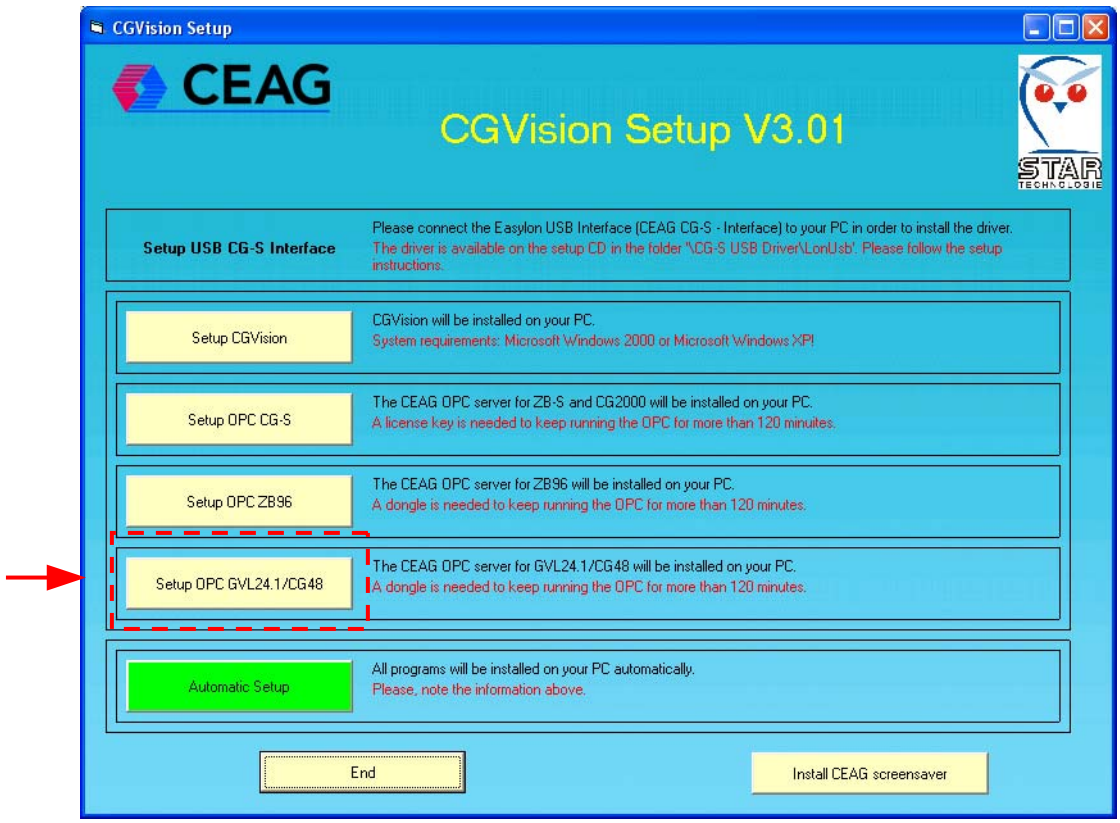


The installation of the OPC-Server is now completed. Please click the button „Finish“ to close the picture, and restart the PC „manual“, to activate the changes.

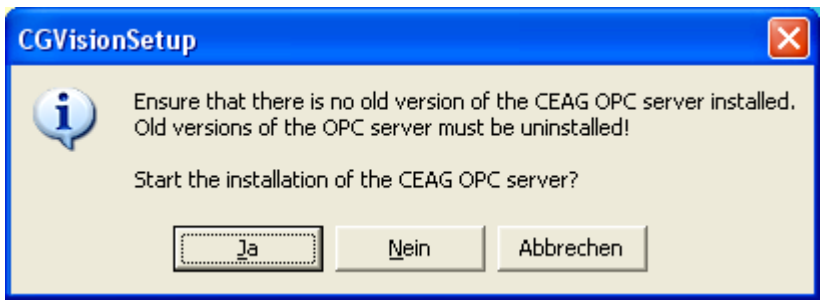


1.1.5 Manual Installation - OPC-Server GVL 24.1 / CG48

Setup OPC GVL24.1 / CG48:

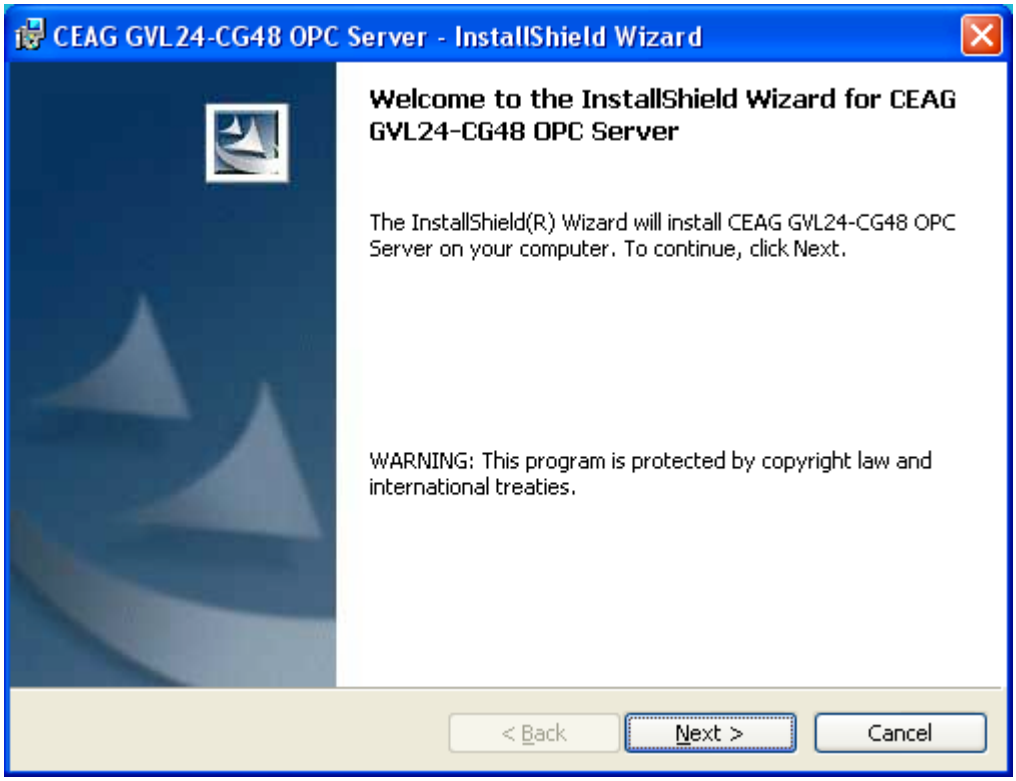


A window for the installation of the OPC-Server GVL 24.1/CG48 appears.

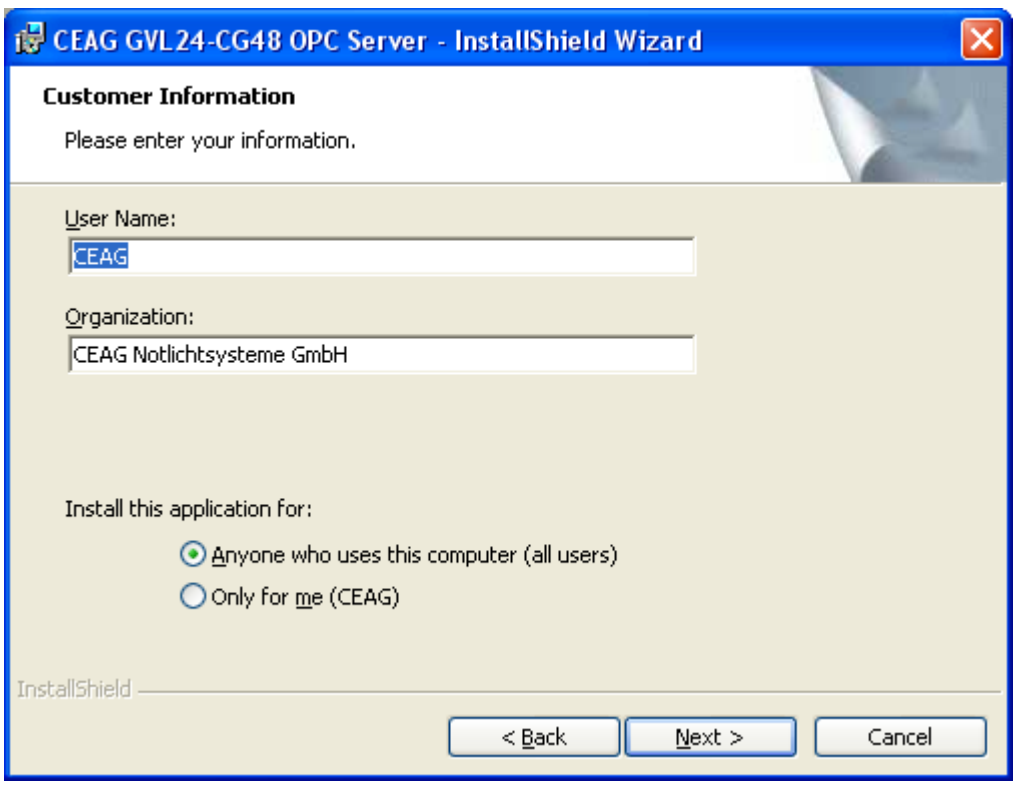


For installation continue with „Ja“.

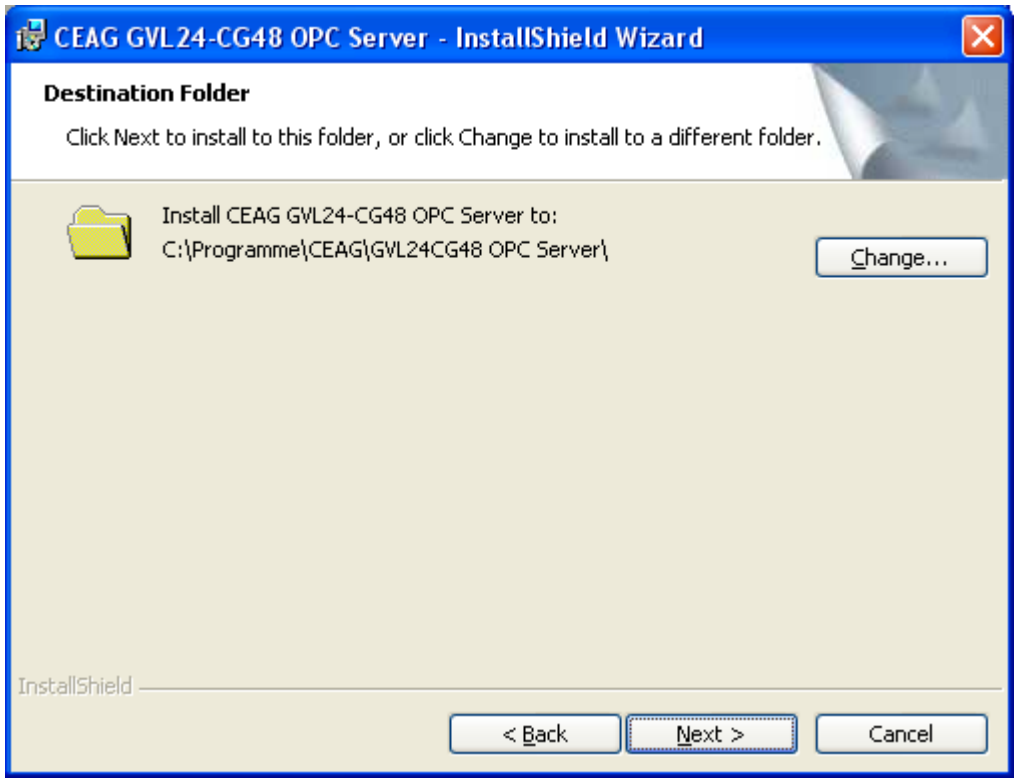
The installShield wizard starts, please continue with clicking „Next“.



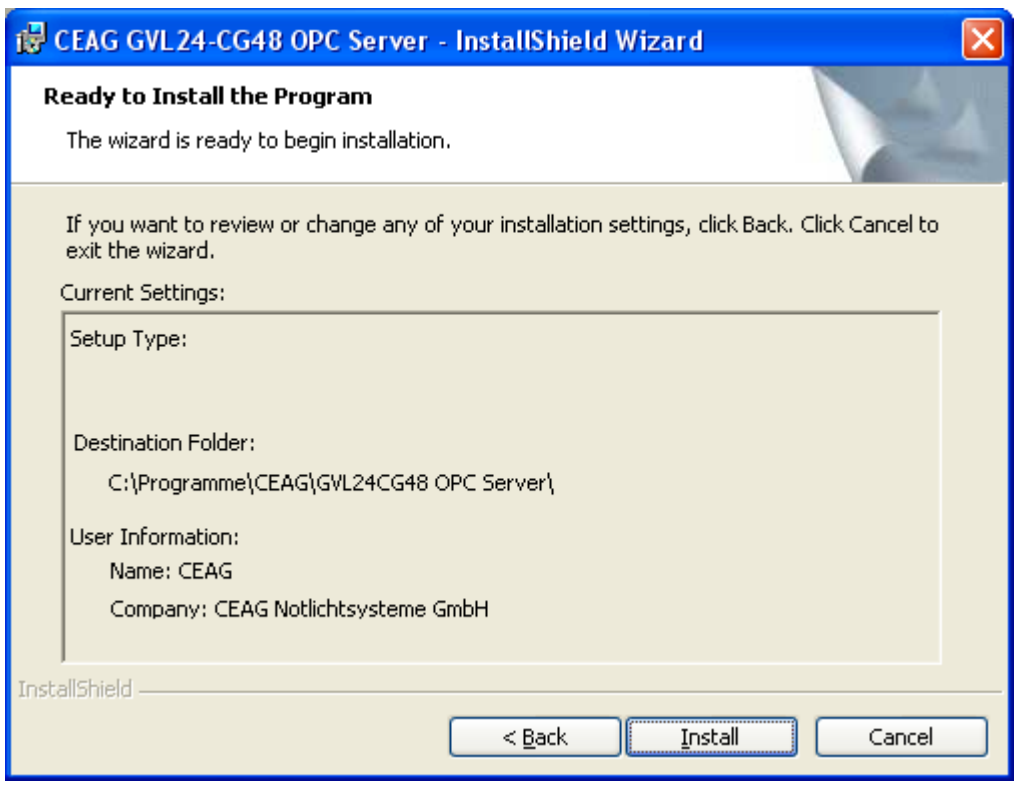
In the following window you able to type in your „Name“ and your „Company“. Continue with „Next“.



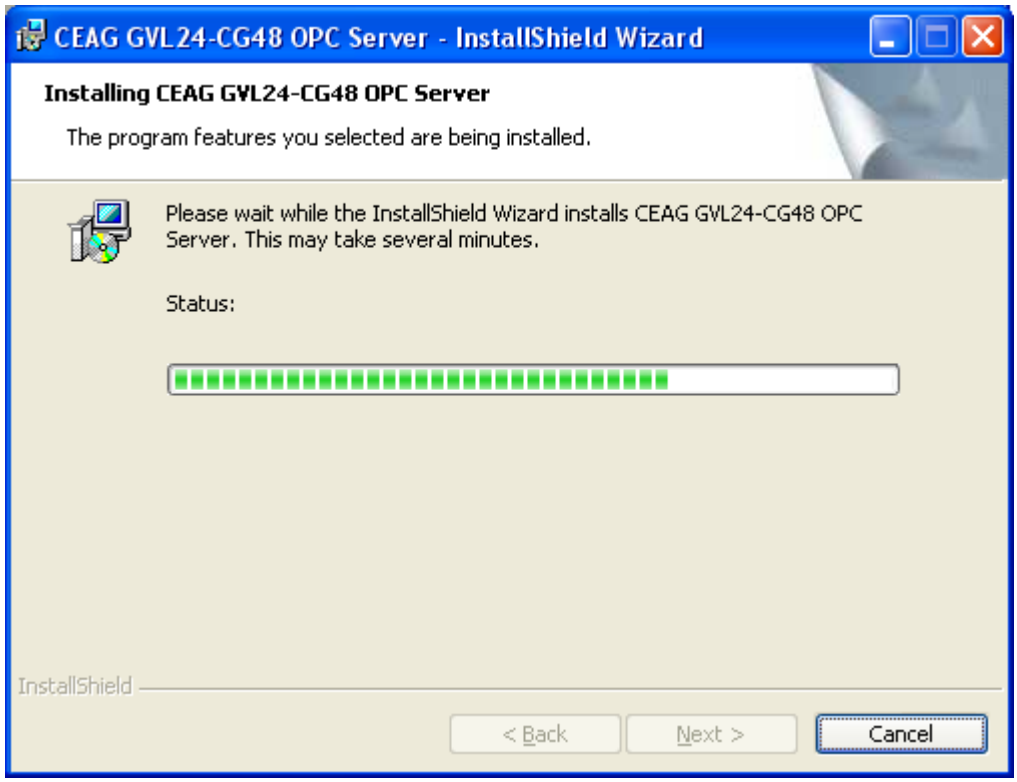
Now you have the possibility to select the destination directory appears again. It is recommended to hold the default destination directory, as well.
Continue with „Next“:



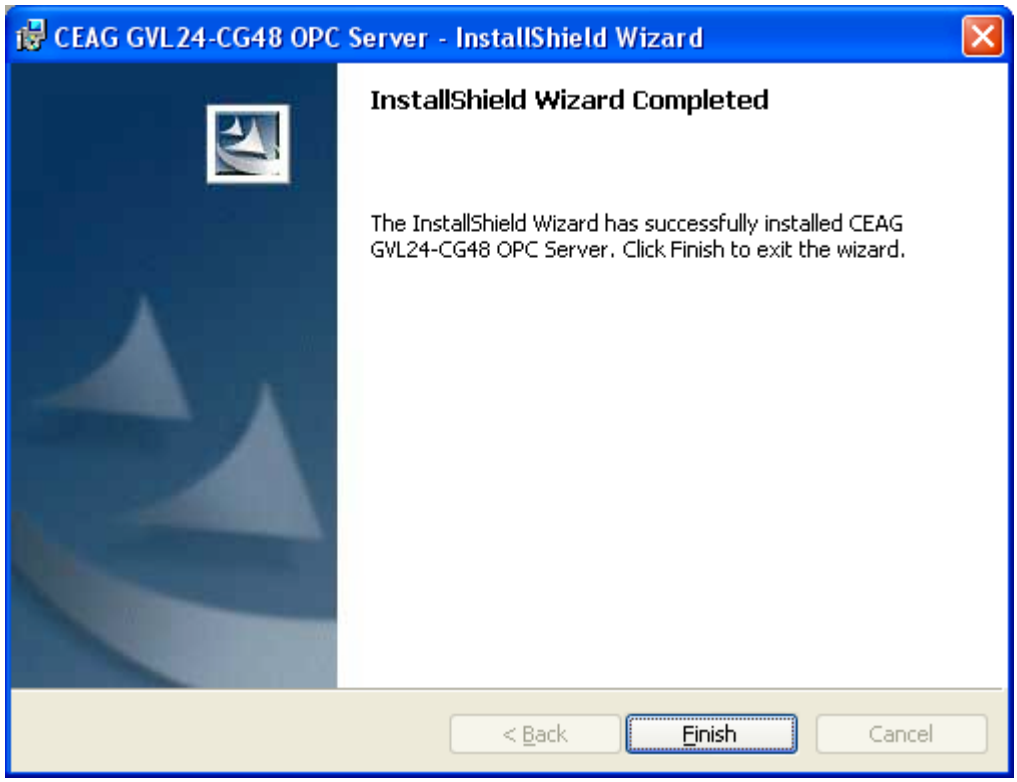
Continue with „Install“.



Controlpicture of the installation with a progress display:



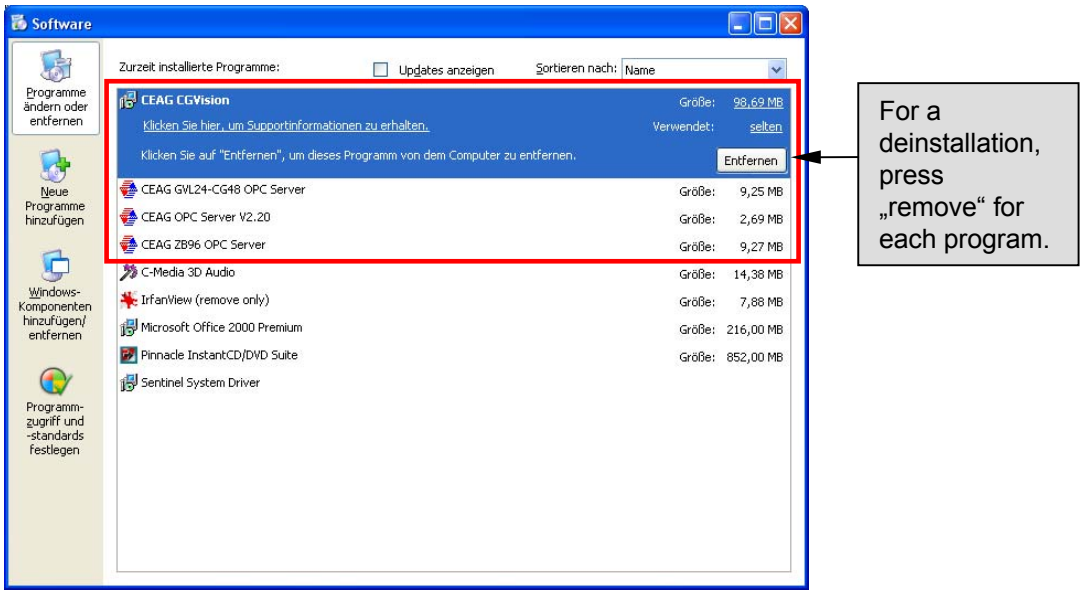
The installation of the CGVision and the OPC-Servers is now completed. Continue with „Finish“:



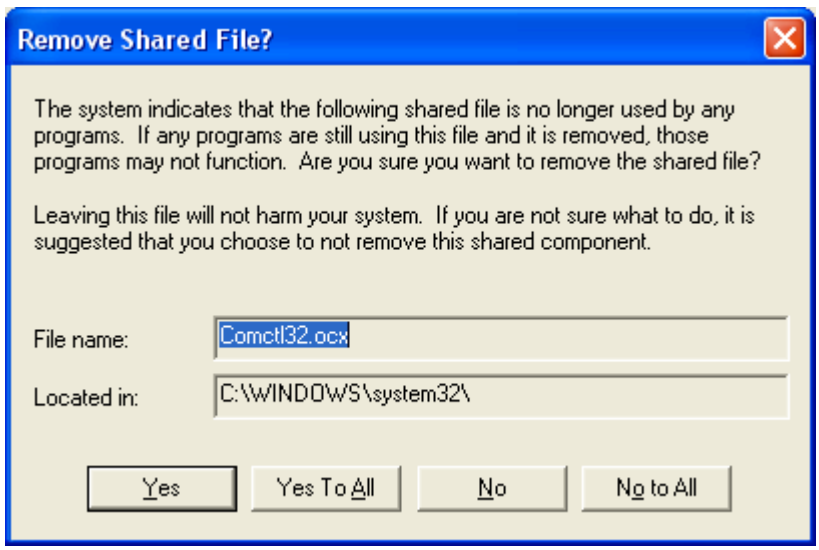
1.2 UPDATE - Instruction

- Backup of the last actual program configuration, group configuration and building layout, if required. From version V2.00, the complete backup of above mentioned configurations, can start in the menu „services“ in the main group picture. In older releases, the backup is to start in the menu „services“ in each device group pictuires.

- Deinstallation of the current CGVision and OPC-Server (red frame) in the menu „Software“ of the windows „control setup“:



- During the deinstallation of the CEAG OPC-Servers V2.20 following message appears:

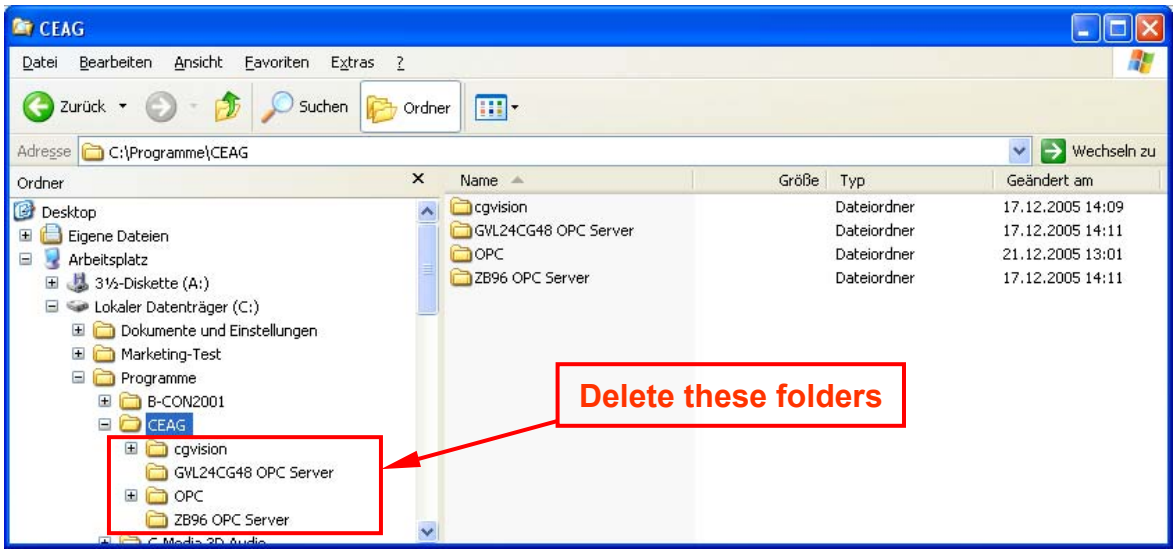


Continue with „No to All“

1.2 UPDATE-Instruction

4. If a new installation of the CGVision is required, e.g. due to defect data bases of the CGVision, it is necessary , after a deinstallation of the CGVision, to delete the folders CGVision, GVL24CG48 OPC Server, OPC and ZB96 OPC Server (if present) in the windows explorer:

C:\Programs\CEAG\....



5. New installation of the CGVision, which is described in the installation instruction

6. Programmkonfigurationen, Gruppenkonfigurationen und soweit vorhanden, die Grundrissprogrammierung wieder über das Menü „Dienste“ im Hauptgruppenbild laden.

Notice: In case of an UPDATE of a CGVision older than V2.00, it is necessary to type in the OPC-key after the installation again !!

2. Instruction manual - CGVision

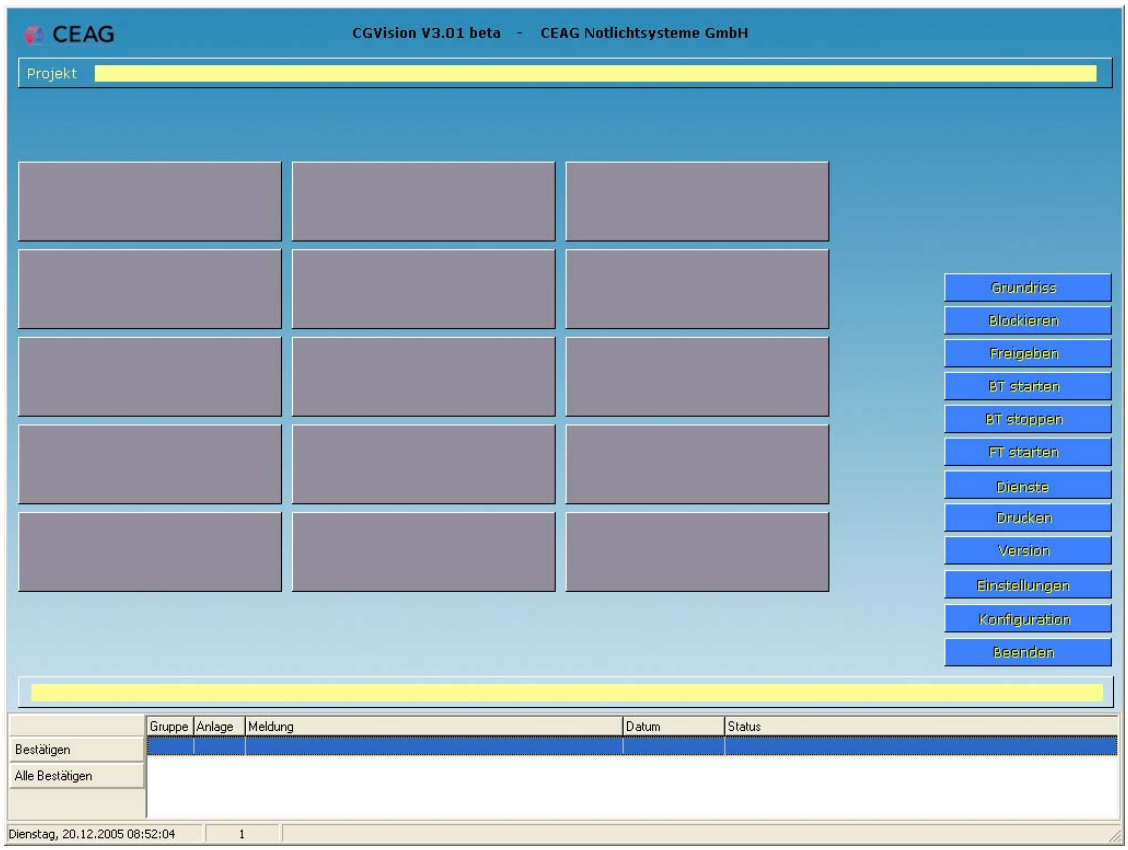
General:

Preparation:

To **change the language** of the program to „english“ or to an other language, it is necessary to change the settings (--> Einstellungen). See point h) “Settings“ (see next pages),
To use the CGVision as „full version“, following steps are necessary:
1. In use of ZB-S / CG2000 emergency lighting systems, an Licence-Key is necessary. (see next pages). To get the connection to the emergency devices, the LON-Bus has to be connected to the USB-Interfacebox.
2. In use of EGA-emergency lighting systems (ZB96 / Euro ZB.1 / GVL24.1 / CG48) a licence key as hardware dongle for the printerport (LPT1) is necessary. (partno.:40071347150).
Without a.m. licences, the CGVision is only for use max. 120 min. in DEMO-mode.

Operation:

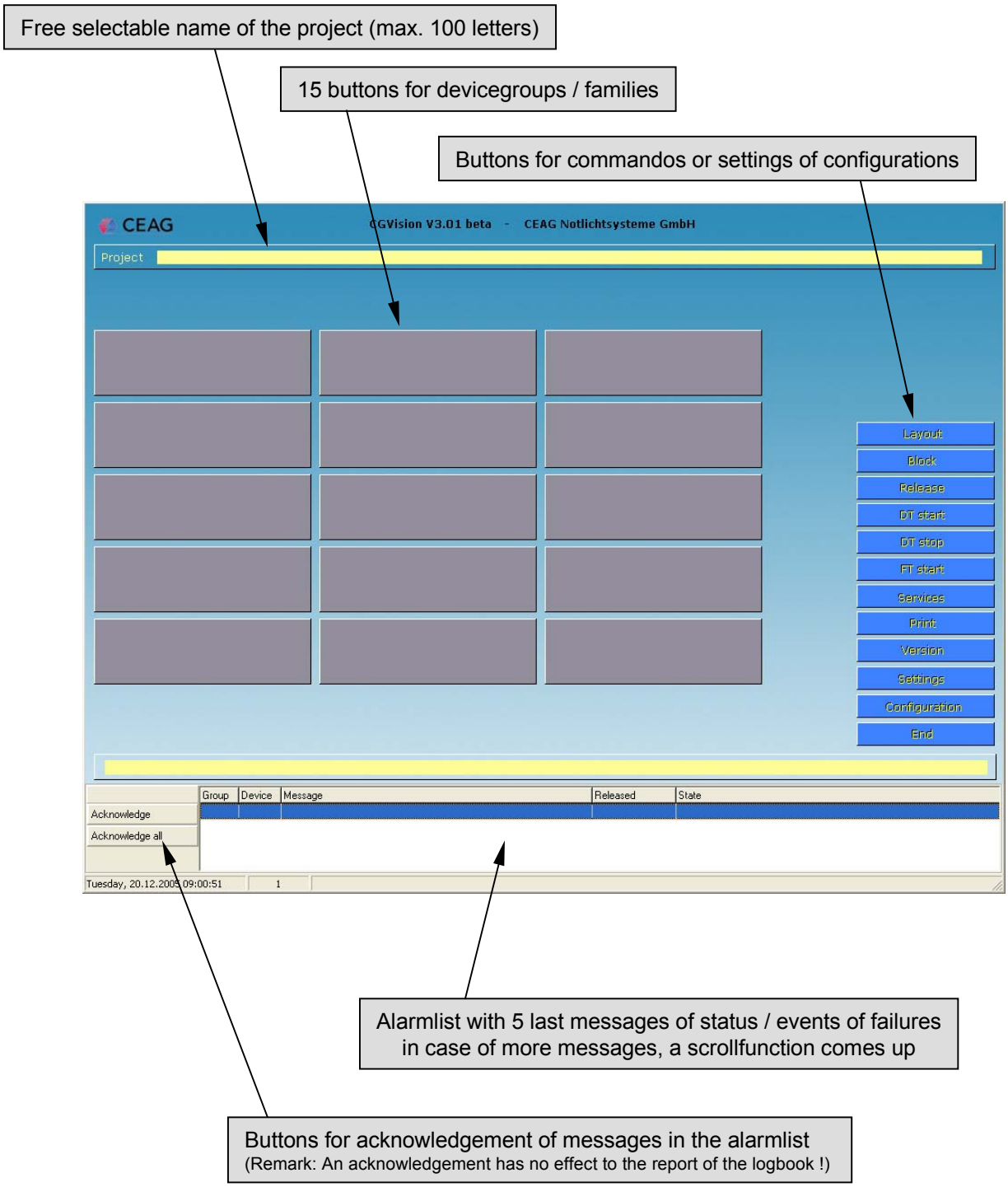
CGVision can start with the button on the desktop „CGVision“ or with „Start“ -- „Programms“
Please note that it can take some time for the start procedure. Following picture appears:

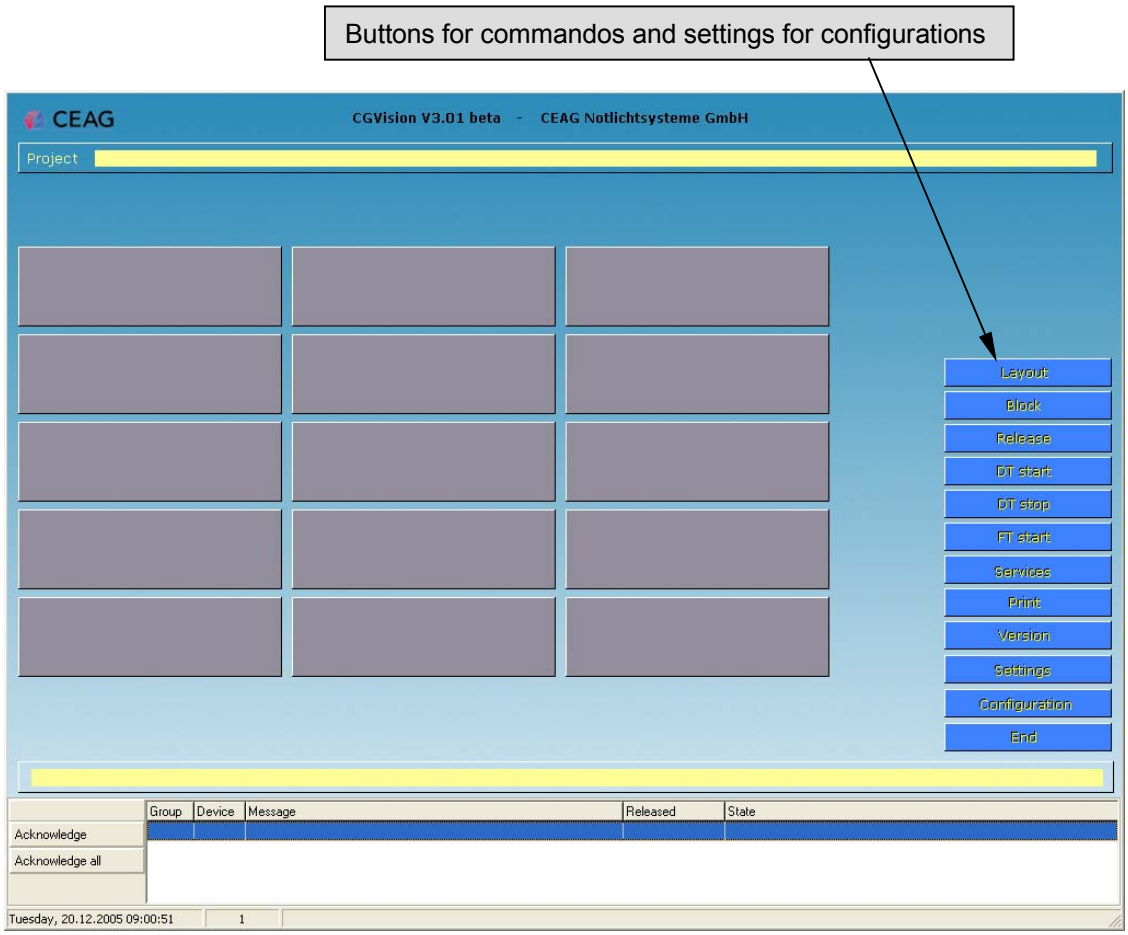


The pictures shows 15 grey buttons. These can be assigned to „device groups (families), which are in basic configuration and are not configured.
In the right corner there are commando buttons in each picture for the settings of configurations.
With the button „Configuration“ it is possible to configure up to 15 device groups with each max. 32 emergency devices in one device group.

2.1 „Main group picture“

Structure of the main group picture:





a). „Layout“
Link to the first building layout (option must be licenced for unlock).

b). „Block“
all Systems (devices) can block.

c). „Release“
all devices can be released.

d). „DT start“
DT-Test can start for all devices.

e). „DT stop“
DT-Test will stop for all devices.

f). „FT start“
FT-Test (Functionstest) will start for all systems.

g). „Services“
Different services for logbook and save/load of configurations

h).“Print“
A screenshot will be printed.

i). „Version“
Display of the current software version (Revision).

j). „Settings“
Settings of the language(english-german) and Licencekey input.

k). „Configuration“
Settings of configurations for all datas in the main group picture.

l). „End“
Exit the programm.

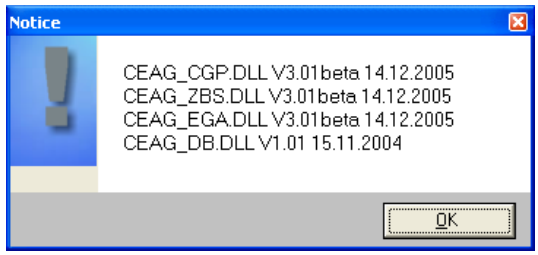
a). Load of building layouts, if available (option must be unlock, see chapter „building layout programming“)

b) - f). Above described commandos (point b-f) are directly executable with a click on the button

g). „Services“
Zip and save of the logbook, and save or load of the program/building layout configuration

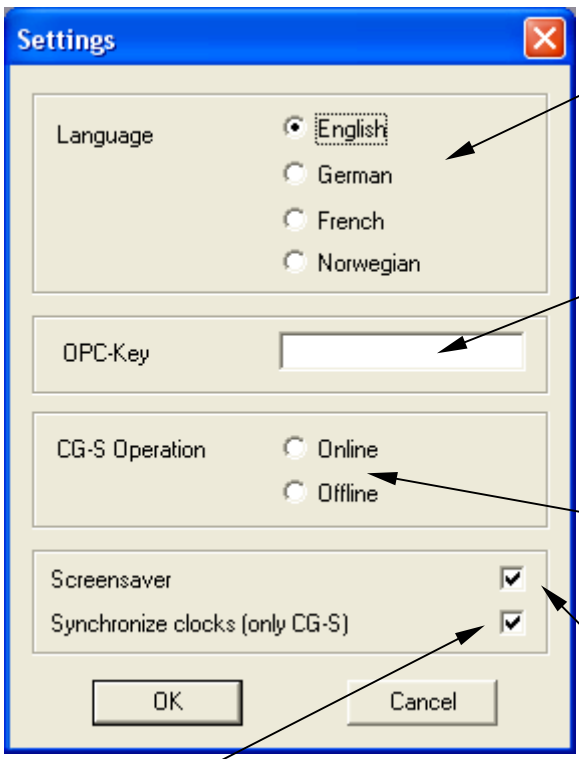
h). „Print“
Print of a screenshot

i). „Version“
Display of the current version of software (Revision)



For technical questions, please present above software revisions if necessary.

j). „Settings“
Settings of the language and Licencekey input



Choose of the language, some changes will take effekt after a resatrt of the CGVision.

The CGVison can licensed in the field „OPC-Key“.
For this the OPC-Key must be typed in.
The OPC-Key is inside the CD-cover (label).
Please keep it carefully, because after loss of the key, a replacement is not possible !
The key works only with the delivered USB-Interfacebox !
It is depentent of the Neuron-ID of the USB-Interfacebox.

With this option, it is possible to go „Offline“ with CG-S Operation. With this function it is possible to deactivate the OPC-server for demo applications without connected eml systems.

If the „Screensaver“ is activated, the status of the CGVision will be displayed as writing on the destop via the screensaver „Marquee“. For this function, the screensaver „marquee“ must be installed/active.

If this option is activated, all clocks of CG-S systems (ZB-S/CG2000), will be synchronized at 3:33 AM via the CGVision.

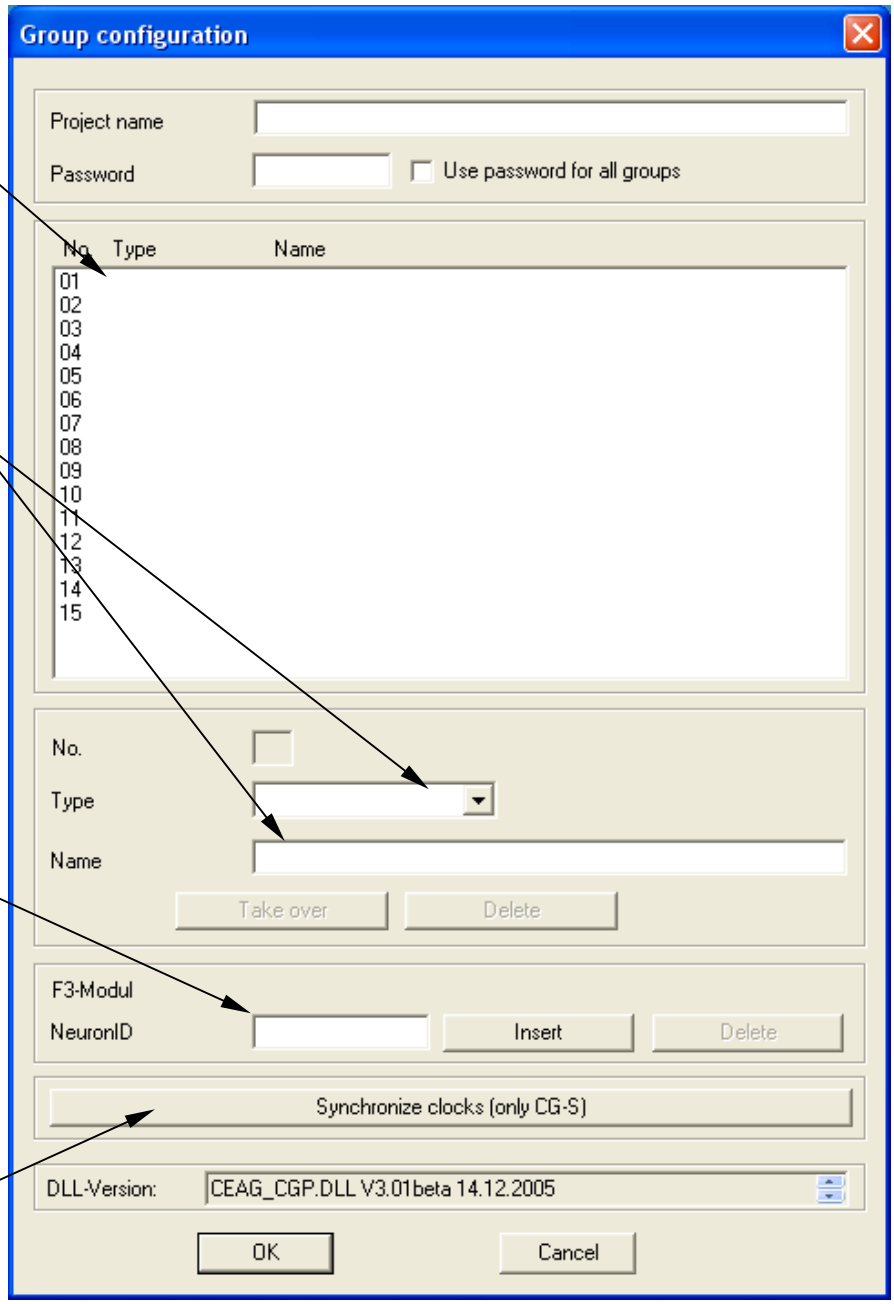
k). „Configuration“
Settings of configurations for all datas are stated in the main group picture.

To add a new device group, mark the field of the device and the no. of the device group. The line will coloured dark blue.

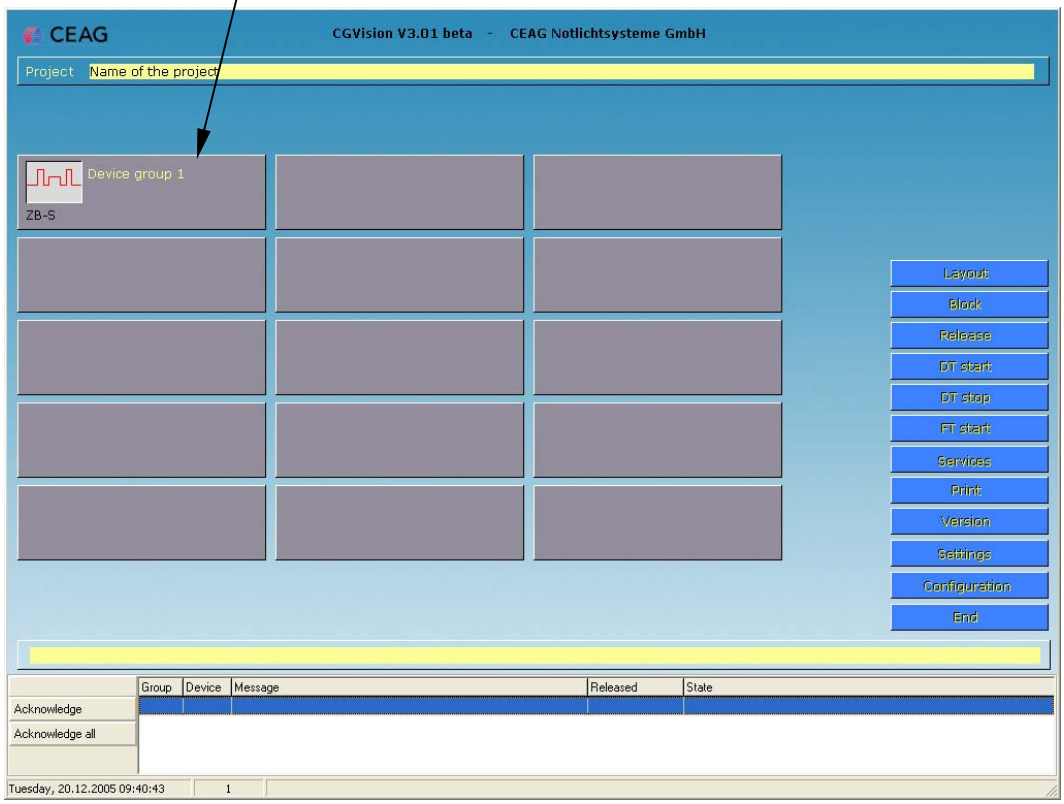
Now in the below part the type of the device (device familiy) and a name can be typed in.
To overtake the settings, please press Take over. To delete a group, mark it darkblue, and press delete.

Since version V1.04, it is possible To connect a F3-Interface to the CGVision. This module allows a connection to BMS with pot.-free contacts. (see manual F3-interface).

With press on the button „Synchronize clocks“, it is possible to snchronize all clocks of CG-S eml-systems to the same time.



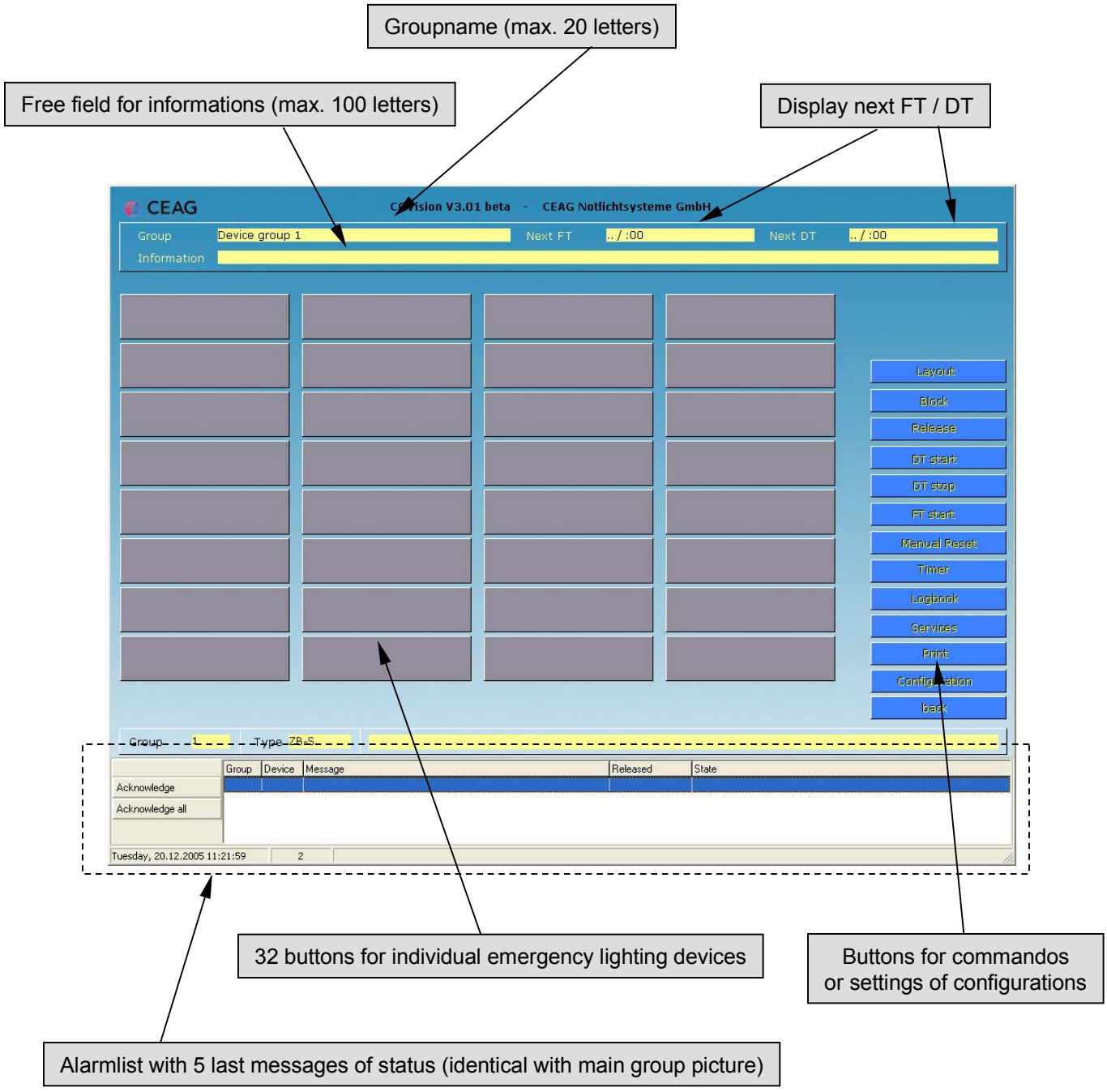
After adding a new device group (point k).) in menu „configuration“, the assigned button will show the type of device family (e.g.: ZB-S) and the status of the device group (coloured bar and text).This button is now active, and with a click on it, the next picture „**Device group picture**“ will be opened.



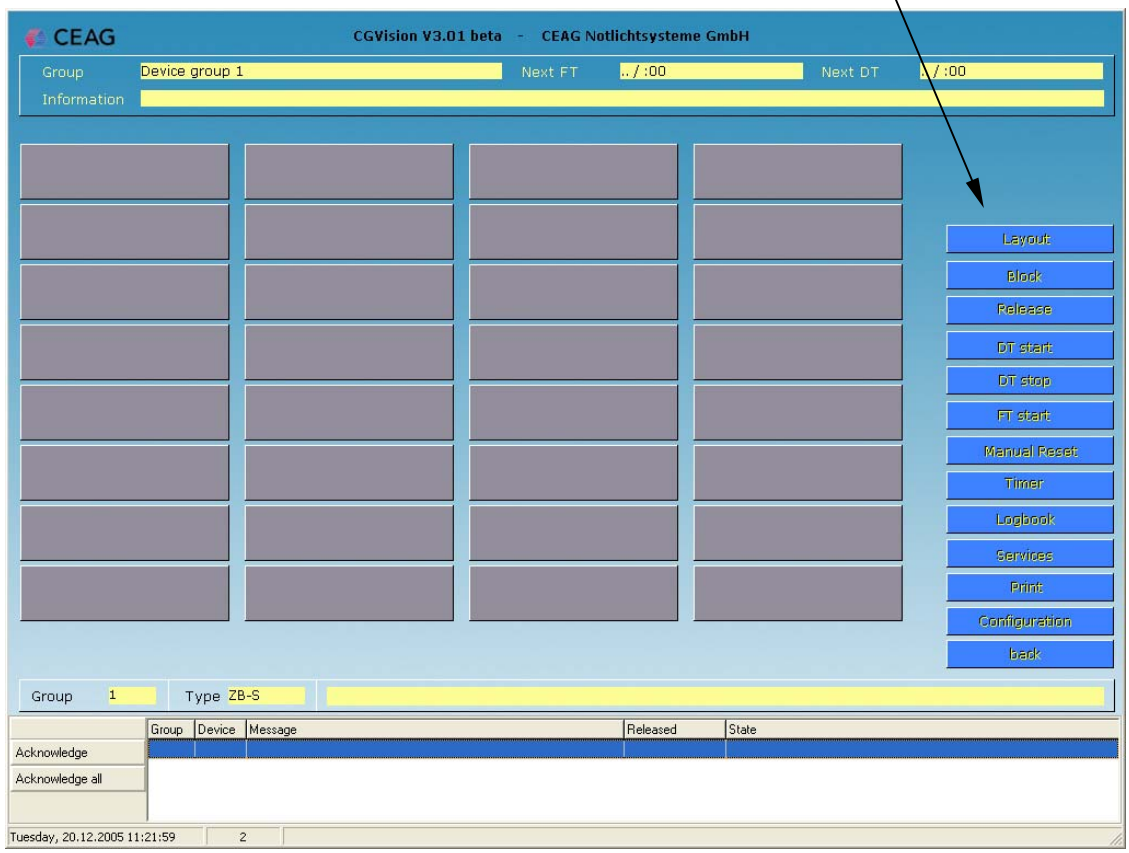
I). „End“
The button „End“ is to exit the programm. Please note that after exit, the logbook will not written further.

2.2 „Device group picture“

Structure of the device group picture:



Functions of the buttons for commandos- or settings of configuration



a). „Layout“
Link to the first building layout of the device group (option must be licenced for unlock).

b). „Block“
all devices of the device group can be blocked.

c). „Release“
all devices of the device group can be released.

d). „DT start“
a DT-test (duration test) for the devices of the device group can be started.

e). „DT stop“
a DT-test (duration test) for the devices of the device group can be stoped.

f). „FT start“
a FT-test (function test) for the devices of the device group can be started.

g).“Manual reset“
reset for devices which are waiting for a manual reset (e.g. deep discharge protection).

h).“Timer“
Configurationsmenu for Timer 1 and Timer 2.

i).“Logbook“
Voluminously management of the logbook from each device group.

j). „Services“
Different services of the logbook and configuration.

k).“Print“
A screenshot will be printed.

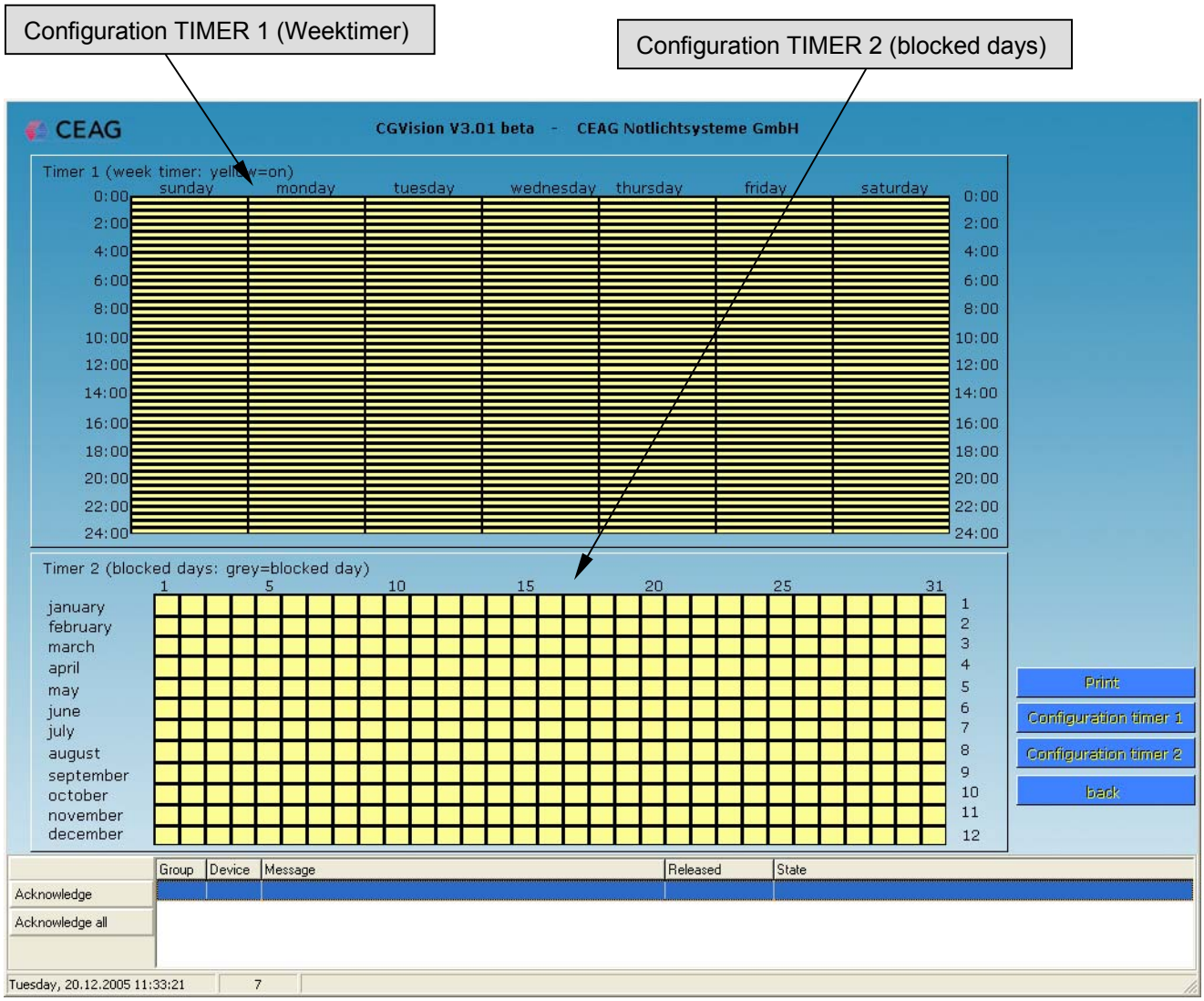
l). „Configuration“
Settings of configurations for all datas in the device group picture.

m). „Return“
Back to the main group picture.

a). Load of building layouts in this device group, if available
(option must be unlock, see chapter „building layout programming“)

b- g). Above described commandos (point b-g) are directly executable with a click on the button

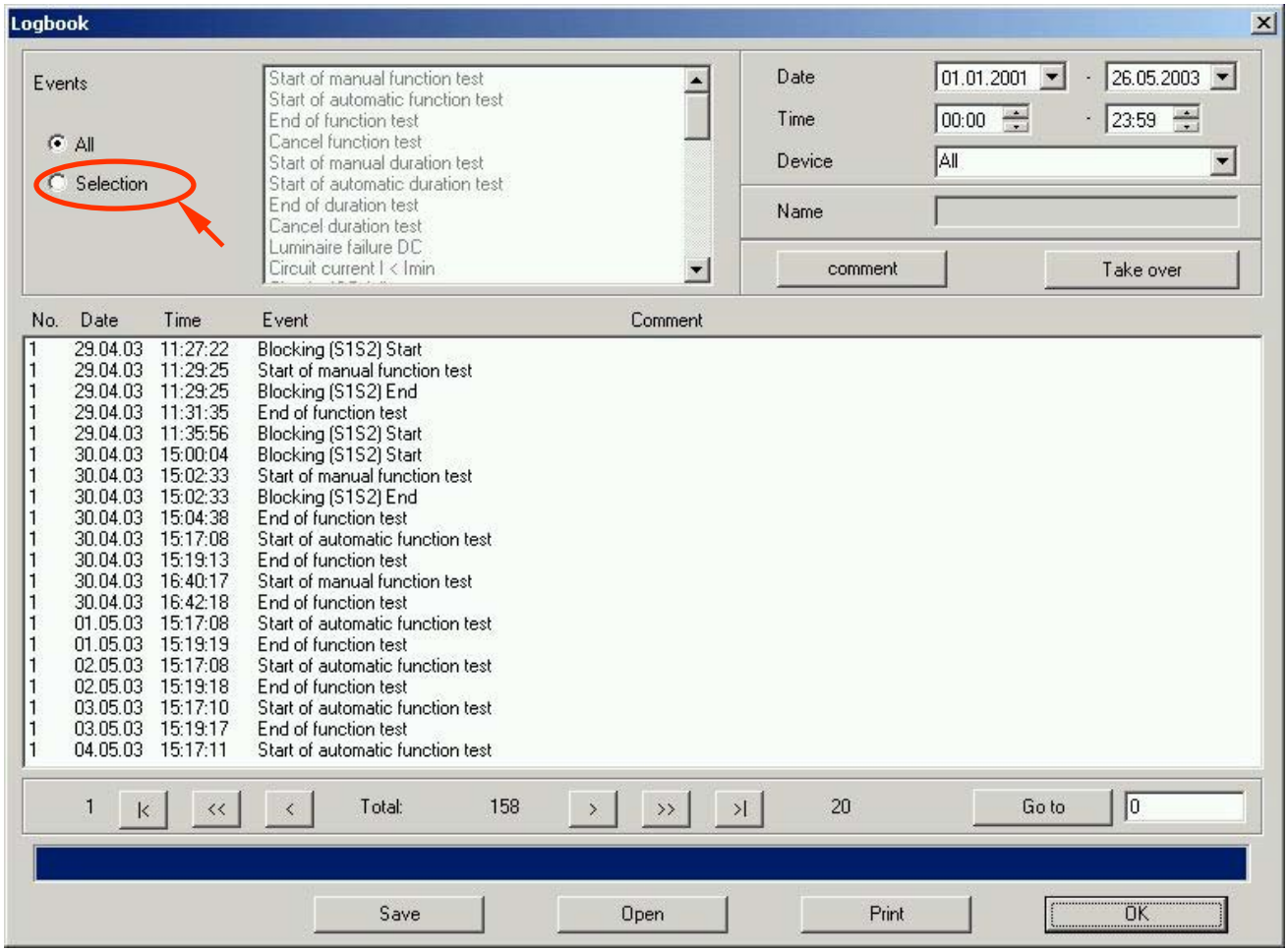
h).“Timer“
Configurationsmenu for Timer 1 und Timer 2



TIMER 1:
With Timer 1 it is possible to switch the luminaires on (ON = Button yellow), if the circuits or luminaires are programmed in Timer 1.
The configuration can be selected with the button „Configuration Timer 1“.

TIMER 2:
With Timer 2 it is possible to switch off the circuits or luminaires, which are programmed as Timer 2, on the selected days.
E.g.: on weekends or holidays where the object is no occupied.
The configuration can be selected with the button „Configuration Timer 2“.

h).“Logbook“
Voluminously management of the logbook of the device group



The logbook contains a lot of functions. For example it is possible to enter the logbook to select special events (e.g.: display only „luminaire failure DC“).
These provide a good view of desired events. The selection of events is possible in above left area of the screen.
To show desired events in a list, it is necessary to press „overtake“ after selection of events.
Remark: More than 1 event can be selected with „Ctrl + left mouse button. Select with **o Selection (see above).**

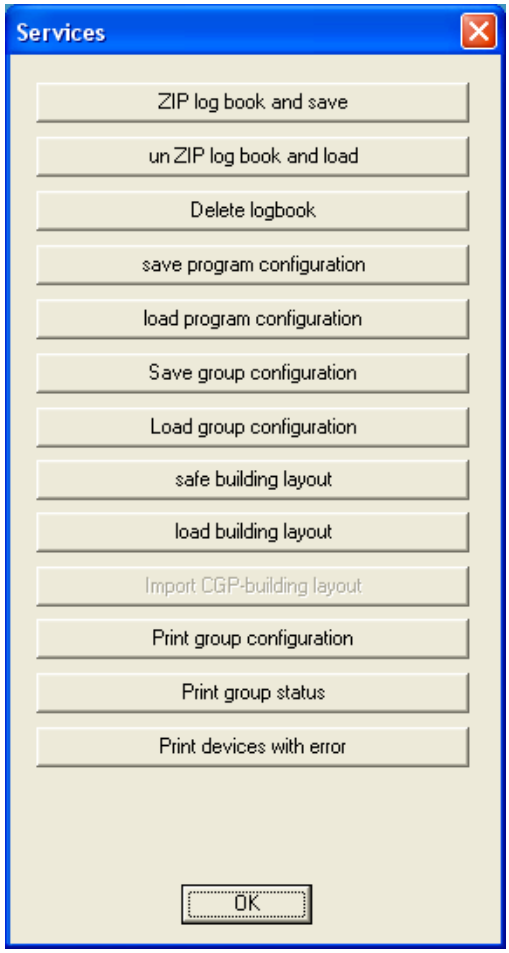
With choosing the event „luminaire failure DC“, the status of the luminiare will pictured in a seperate window:

Furthermore it is possible to select entries of the logbook in accordance with date or time, e.g. to have a look, what is happening on an actual day.

With the button „comment“ it is possible to add comments in the print out of the logbook.

With the select buttons „Safe“, „Open“ and „Print“ the logbook can be put onto the hard drive disk and you can therefore open a saved logbook data on the hard drive disk. All logbookentries can be printed out.

j). „Services“



In the submenu „Services“ in the device group picture it is possible to zip and save the logbook on the harddrive or on a floppydisk.
Furthermore it is possible to save (and reload) the group configuration on the harddrive or floppydisk.
With the buttons „safe program configuration“ and „load program configuration“, it is possible to save or to load the current settings, e.g. language, no. of the installed devices etc.
After a saving of the program configuration, a question comes automatically, to save the individual (installed) device groups configurations.
It is further possible to save, load or print the device configurations from a hard drive or an external memory device.
For these functions use the buttons „save group configuration“, load group configuration“ or „print group configuration“.

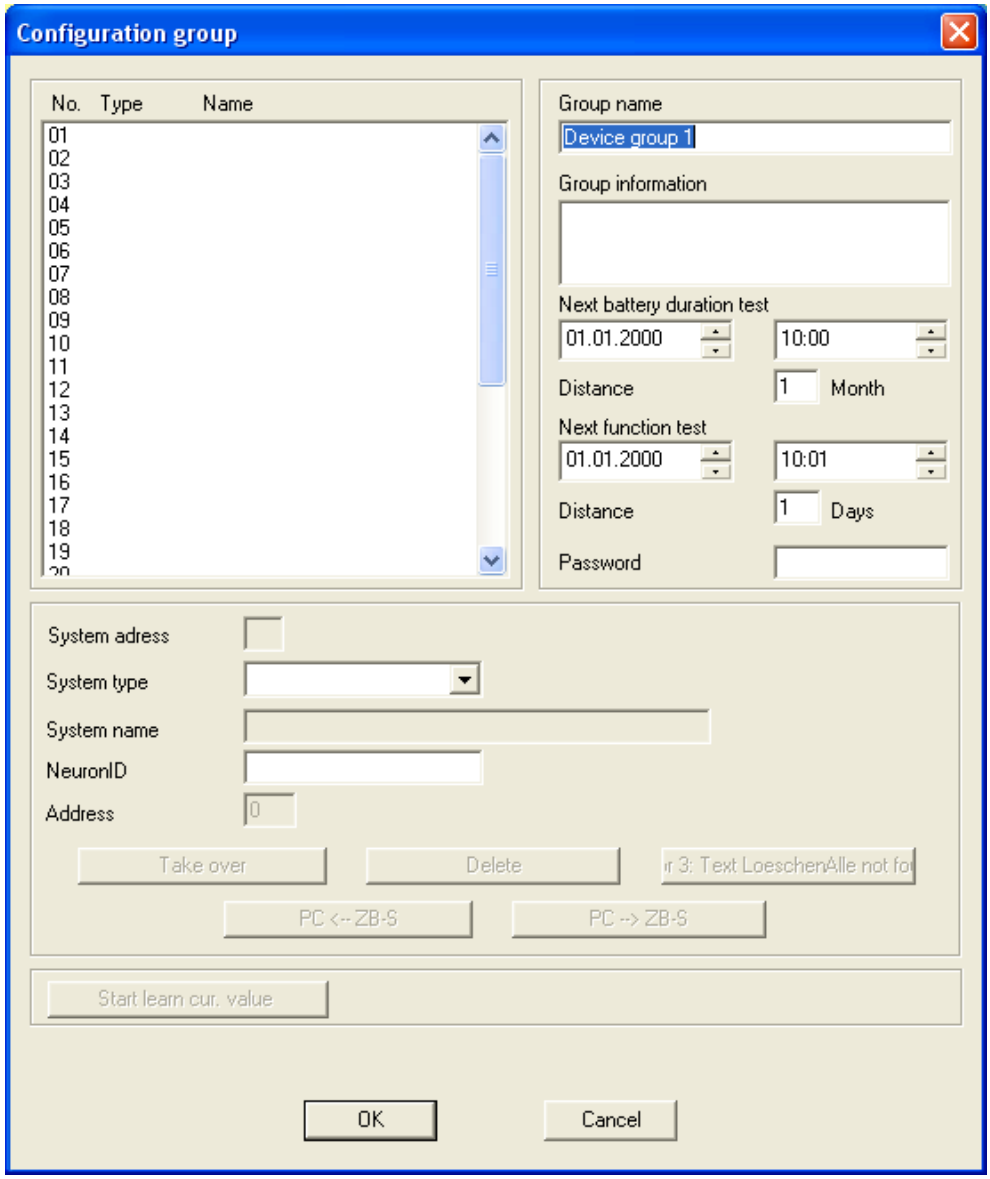
Important:
Please note that to reload of a group configuration will overwrite the current configuration !
It is recommended to save the current group configuration on the harddrive, before starting a reload.

k).“Print“

A screenshot will be printed.

I). „Configuration“

Settings of configuration for all datas in device group picture



To add a emergency device please mark in the field of the device the no., this field will be pictured darkblue. Now in below part a type of system can be selected.

It is necessary to type in the Neuron ID, otherwise the entry will not be taken over !
The Neuron ID can be read out in the control unit of the device, and you can find it in the instruction manual of the device.

The device no. in the CGVision and the device address on the system at site, must be see same !!

Press the button „Take over“ to confirm the new settings. To add new systems, please continue with above explained procedure.
To delete a device, please mark the correlatively device (darkblue), and press the button „Delete“.

In the right part it is possible to configurate the next tests (FT/DT) of the device. Furthermore the picture can be protected by a password.

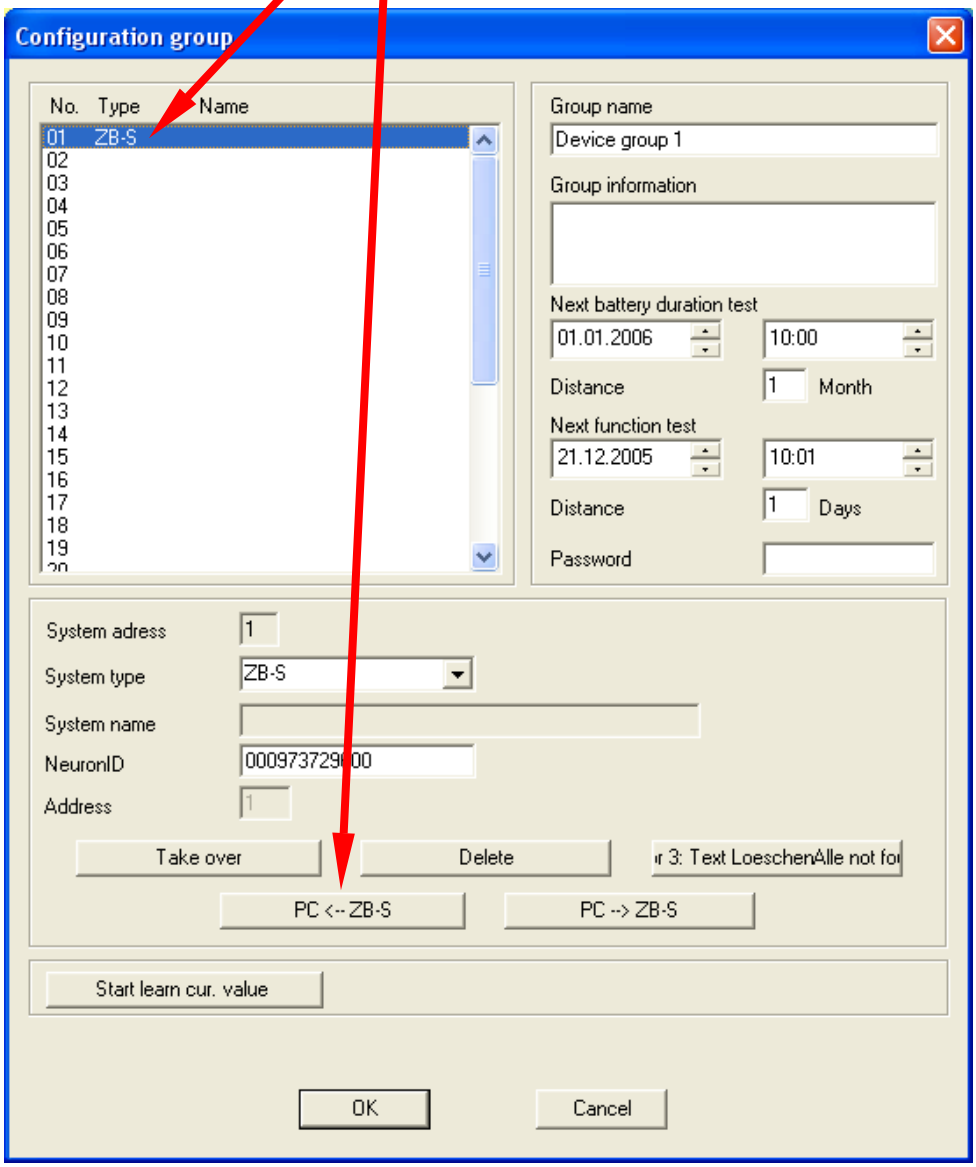
To end the configuration, press button „OK“ --> back to device group picture. To save the new configuration, it is necessary to restart the programm. CGVision will automatically ask; confirm with „YES“, the program restarts.

It is recommended, to install all systems first, before a restart is necessary.

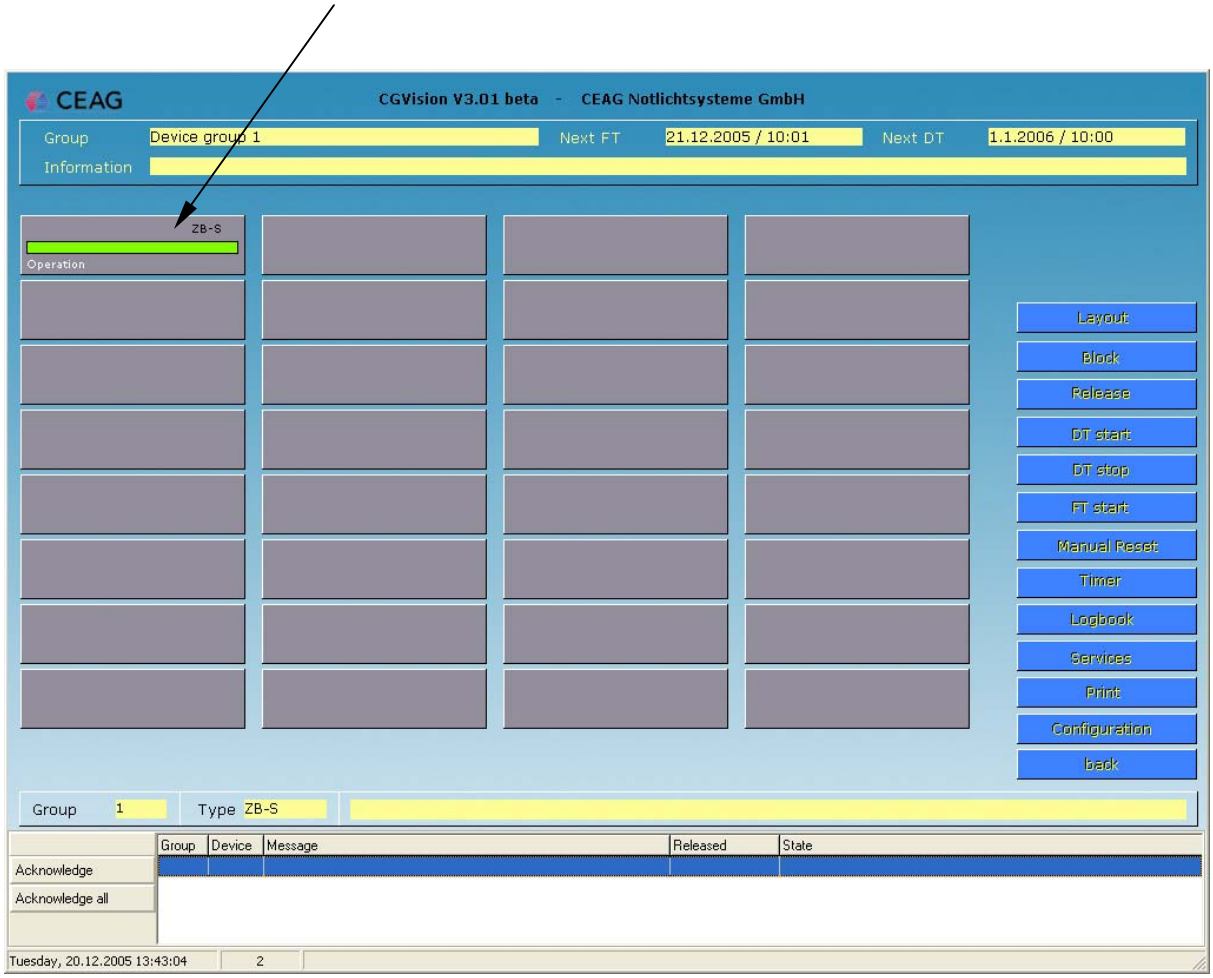
To I). „Configuration“

Download of the complete device configuration

After a installation of one or more devices, it is necessary to load the current device Configuration (e.g. installed SKU / luminaires...) !
This is possible in the picture „configuration group“. First the device is to select (dark blue), and the button PC ← ZB-S will download the current complete configuration of the device.



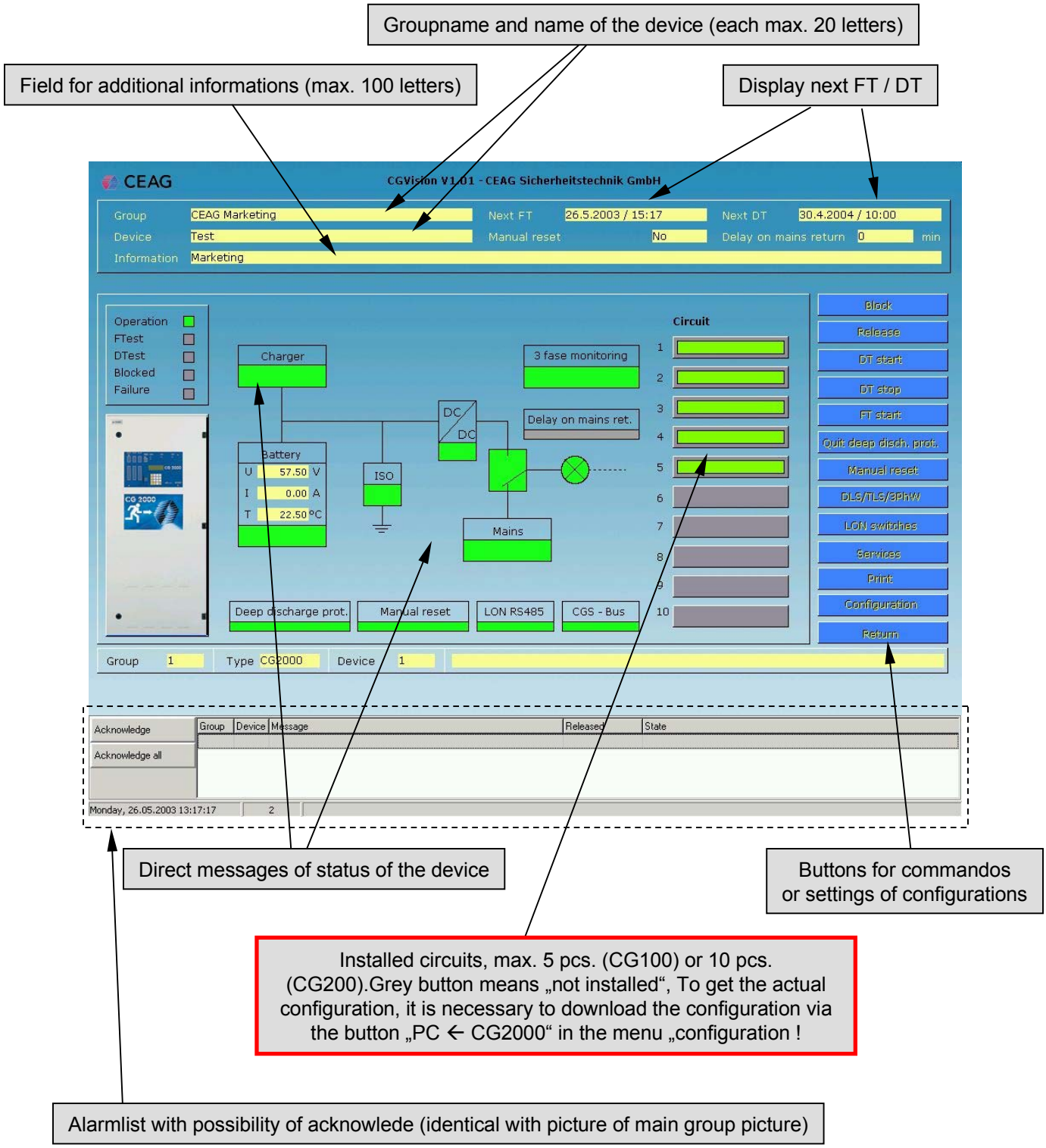
After adding a new device (point l).) in the menu „configuration group“, the assigned button will show the type of device (family) and the status of the device (coloured bar and text).
This button is now activ, and with a click on it, the next picture „device picture“ will open.



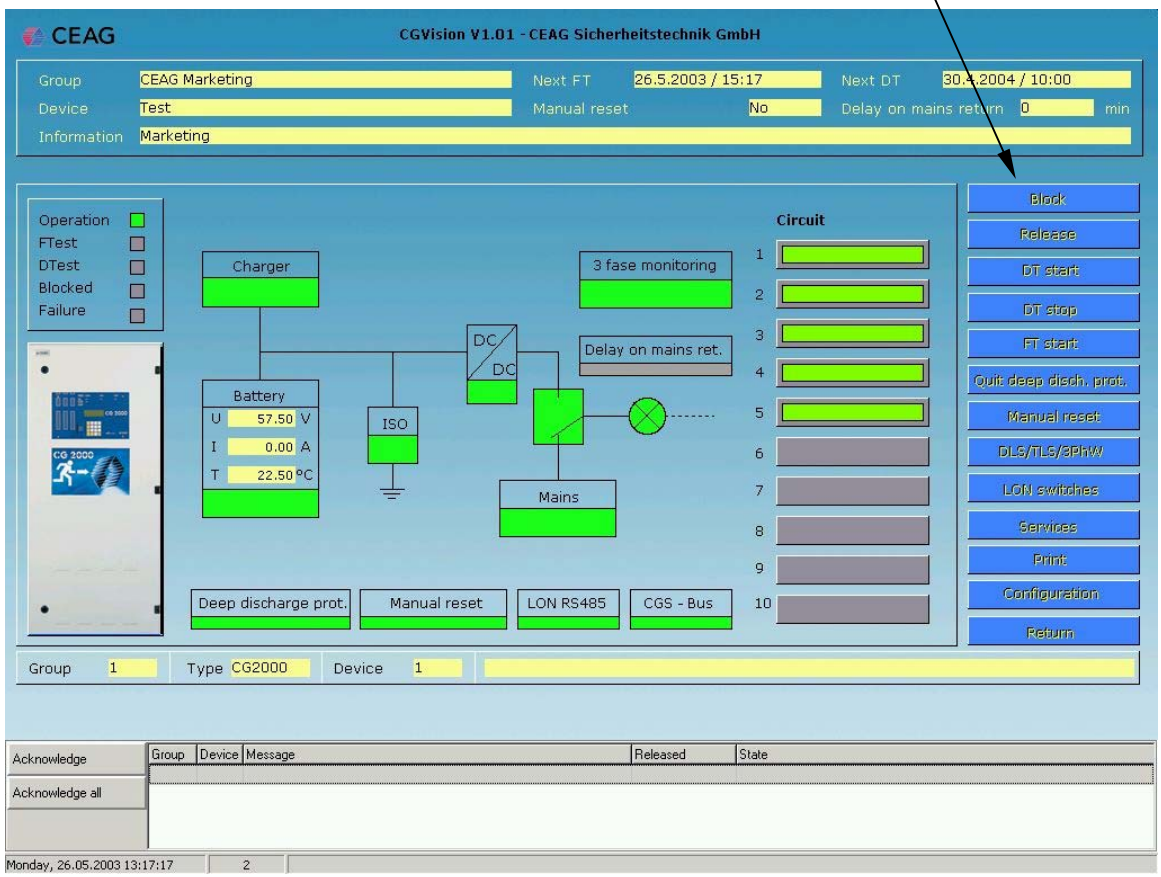
3 Device family CG2000

3.1 „Device picture“

Structure of the device picture:



Functions of buttons for commando- or settings of configuration



a). „Block“
The device can blocked

b). „Release“
The blocked systems can release.

c). „DT start“
Duration Test for the device can be started.

d). „DT stop“
Duration Test for the device will be stoped.

e). „FT start“
Function Test for the device will start.

f).“Quit deep discharge protection “
Acknowledge a deep discharge protection.

g).“Manuel reset“
reset for the device if it is waiting for a manual reset.

h).“DLS/TLS/3PhW“
Menu for Configuration DLS / TLS / and 3Phasemonitor

i).“LON-switches“
Menu for connection of external LON-switches.

j). „Services“
Different services for the logbook and for configuration.

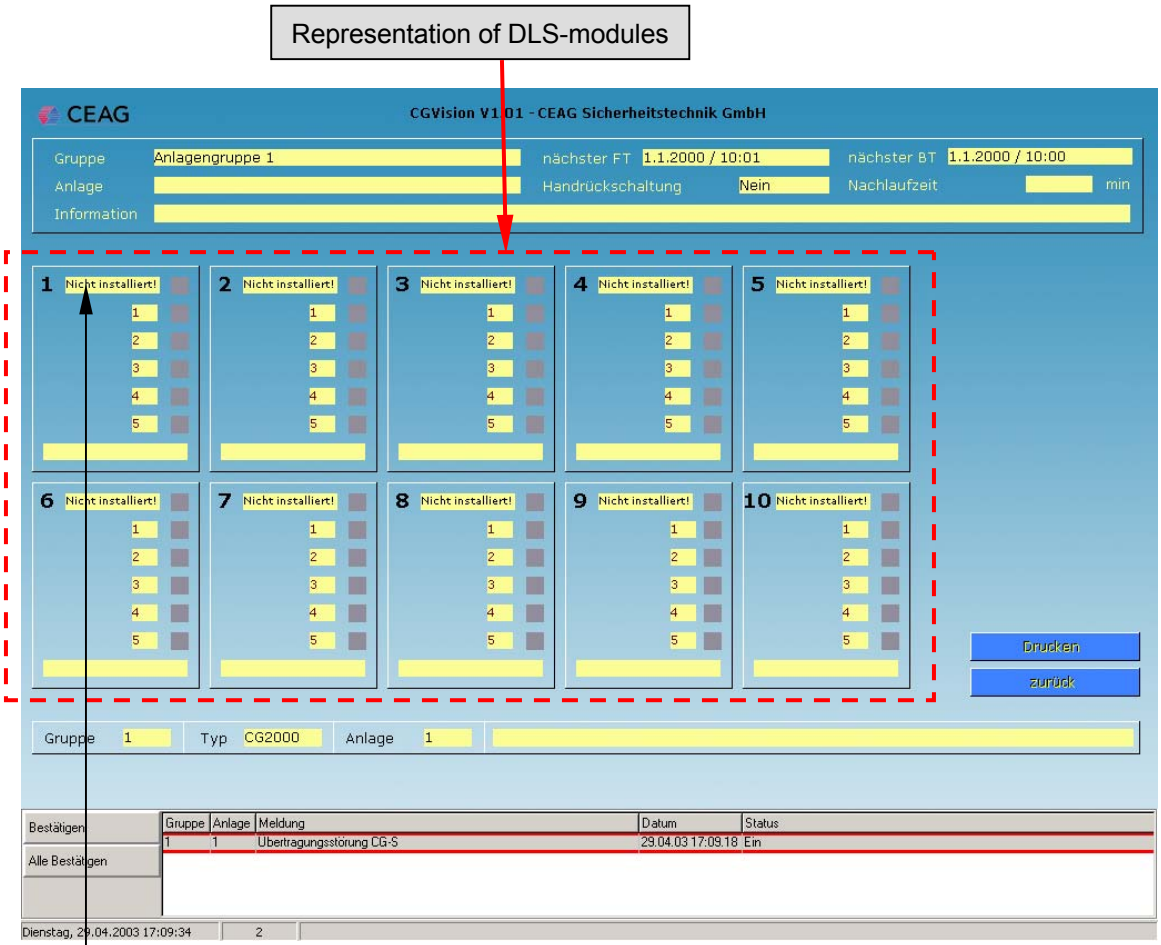
k).“Print“
A screenshot will be printed.

l). „Configuration“
Settings of configuration for all datas in the device picture.

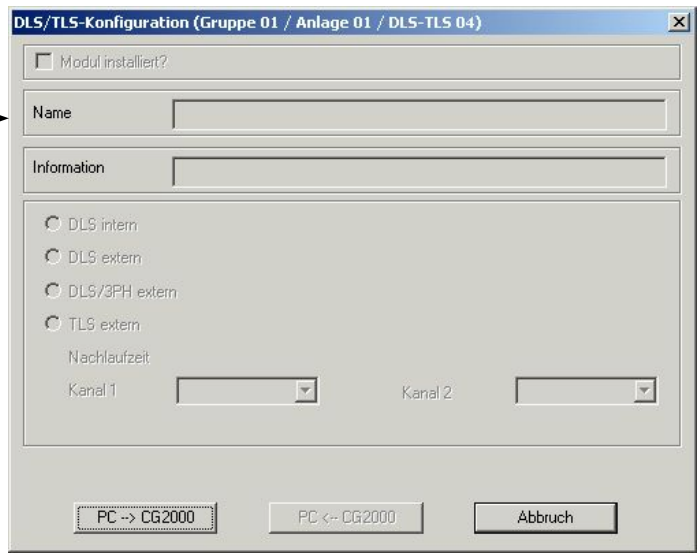
m). „Return“
Back to the device group picture.

a). - g). Above described commandos (point a-g) are directly executable with a click on the button

h).“DLS/TLS/3PhW“
Menu for configuration of DLS / TLS / and 3Phasemonitor



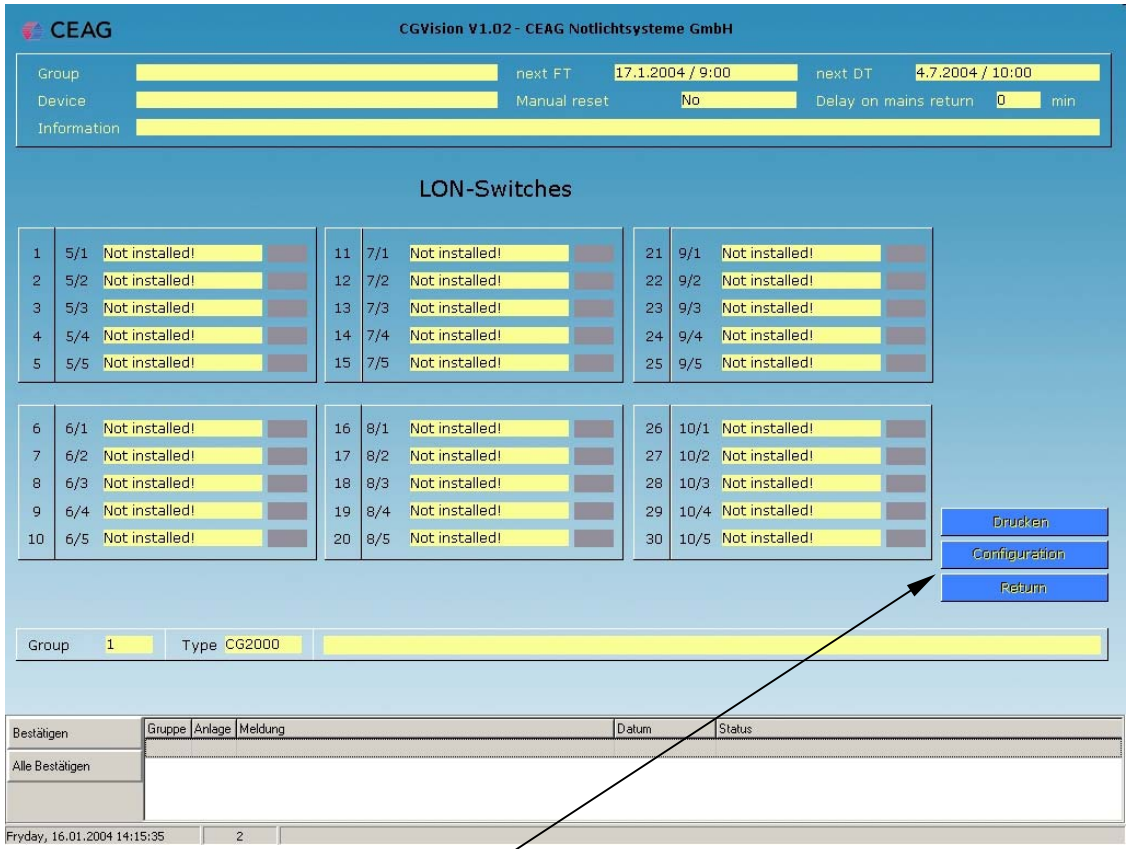
To open the configuratoin window, click the name of the DLS-module



DLS-Configuration:
Due to the hardware structure,
DLS-Modules are only installable on the device!
New installed modules can „upgrade“ on the CGVision via „PC ← CG2000“.

In the DLS / TLS configuration
of the CGVision, it is possible to type in the name and additional informations.

i).“LON-Switches“
Menu for connection of external LON-switches



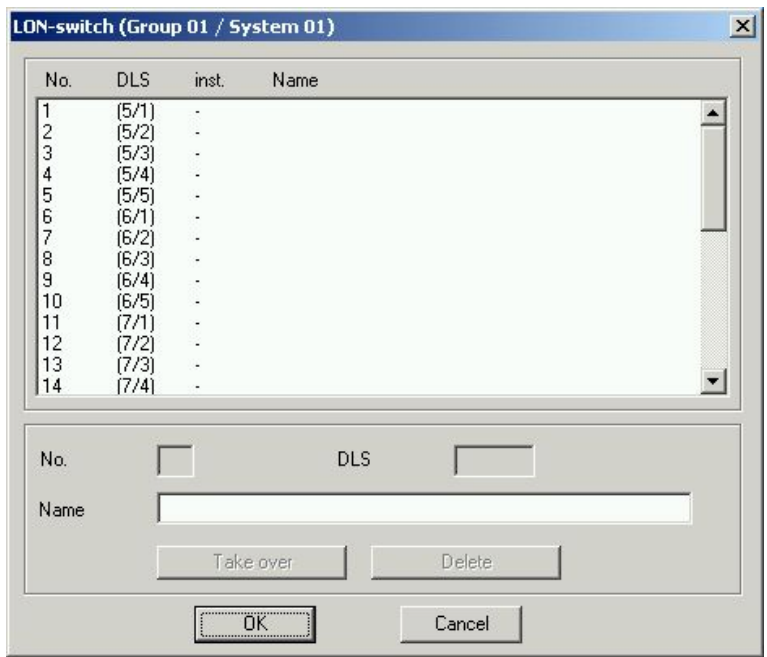
Configuration of external LON-sensors:

It is possible to configurate up to 30 external LON-sensors (e.g. switches) to DLS-addresses.
Due to software restrictions,
the addresses of the DLS-modules 5-10 are used !
t.m. LON-switch no.1 uses
the DLS-address of module 5 - Input 1 and so on.

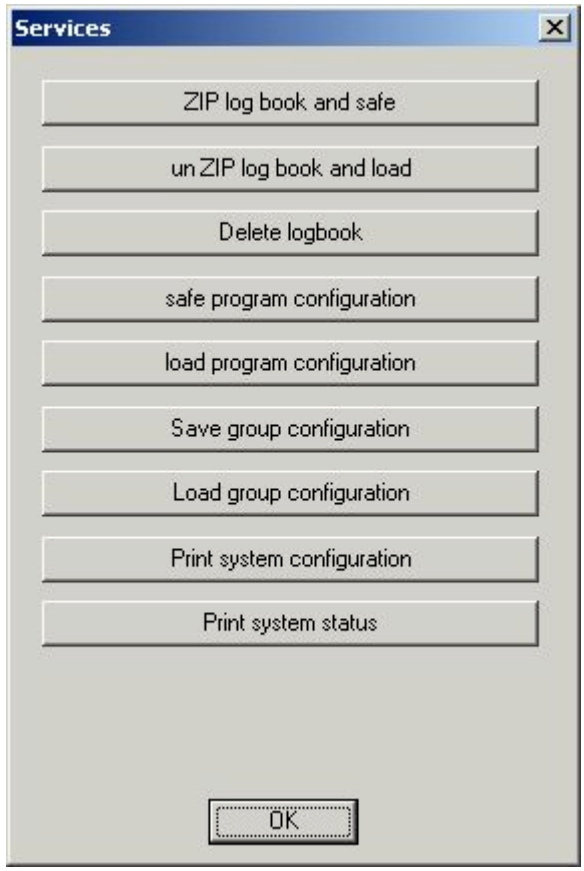
IMPORTANT !:
It is not possible to use a DLS-address for LON and DLS at the same time !

To use the function „LON-switch“, it is necessary to activate on the CG2000 in the menu:
Basic setup // Connection to BMS
--> LON-Schwitches: YES
This function can also activate on the CGVision in the menu I.)“Configuration“ of the device picture.

A integration of external LON-sensors is to do from a certified LON-integrator!



j). „Services“
Different services for the logbook and for configuration



The menu „Services“ is identical with the menu „Services“ in the device group picture, with the difference that the printing of the status is only for the individual device.
A description for saving/loading of program configurations / group configuartions, you will find in chapter 2.2 „device group picture“ in j) „services“.

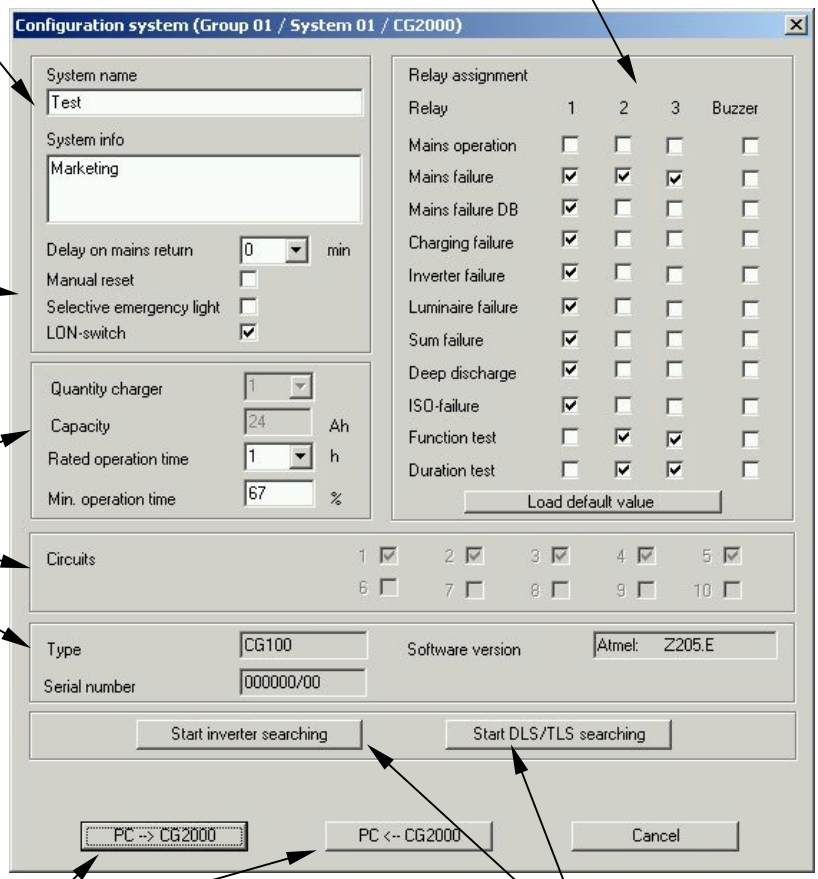
I. „Configuration System“ (device)

Free configuration of the pot. free contacts and buzzer

Input of devicename and additional informations

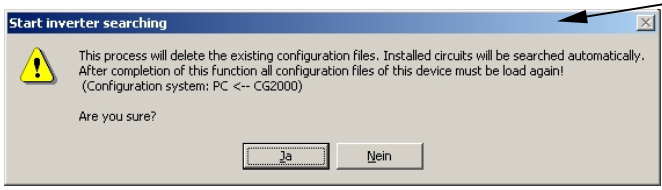
Activation of special functions
e.g.: Activation of external
LON-sensors (switches etc.)

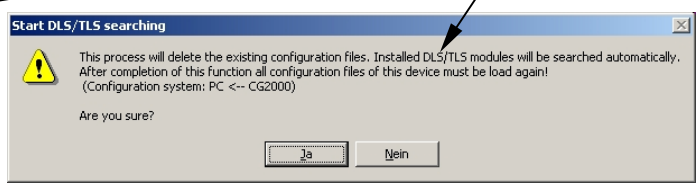
Additional
informations



With the button „PC --> CG 2000“ it is possible to send all modifed datas to the device.
With the button „PC <-- CG2000“ it is possible to download all current configurations of the device

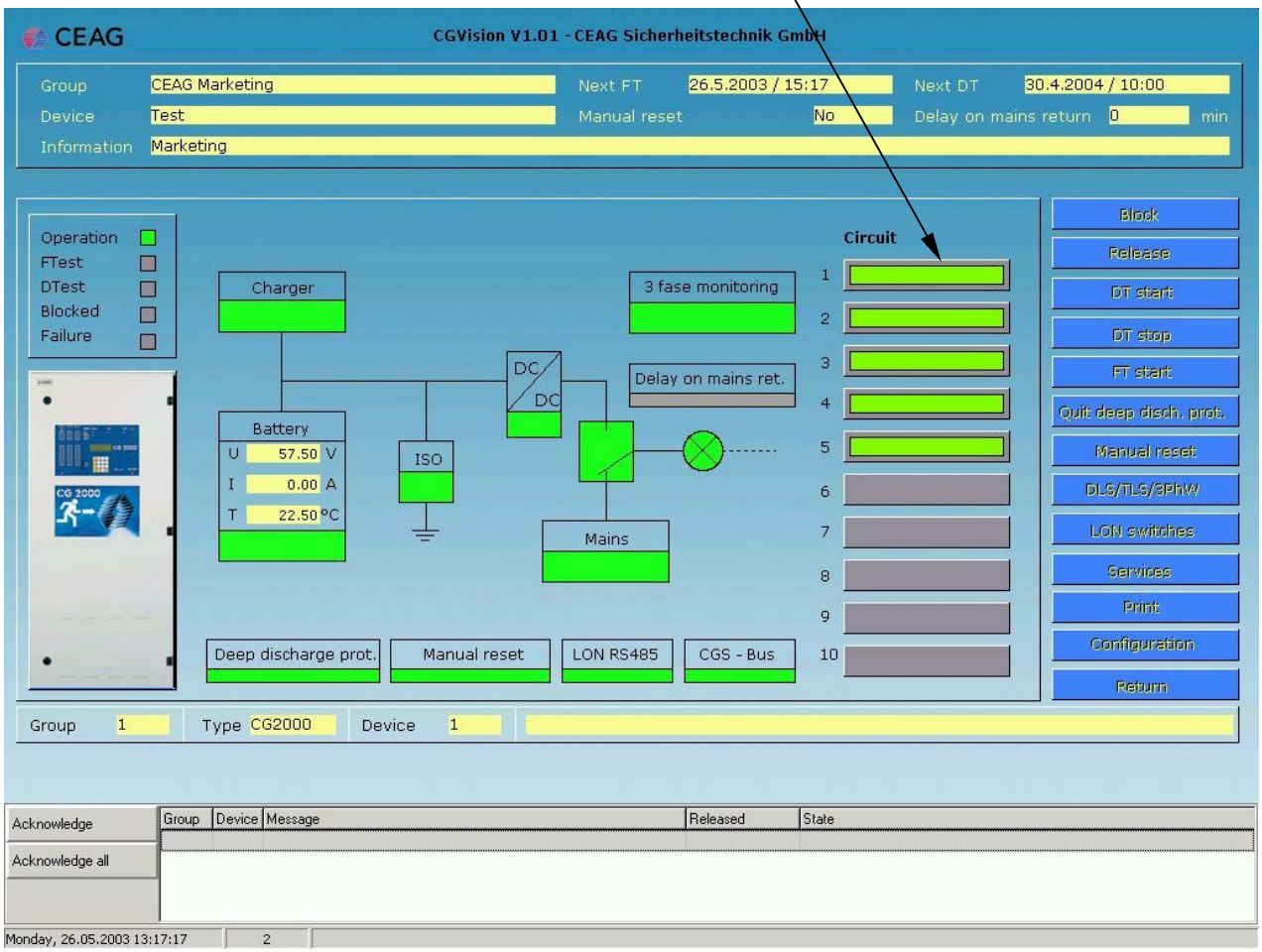
Option: Inverter search and DLS/TLS searching
Buttons for starting „inverter searching“ and „DLS/TLS searching“, like is possible on the device.
Please note !:
After process of the functions, it is necessary to download the configurations of the device again.
Following pictures appears:
inverter search DLS/TLS search



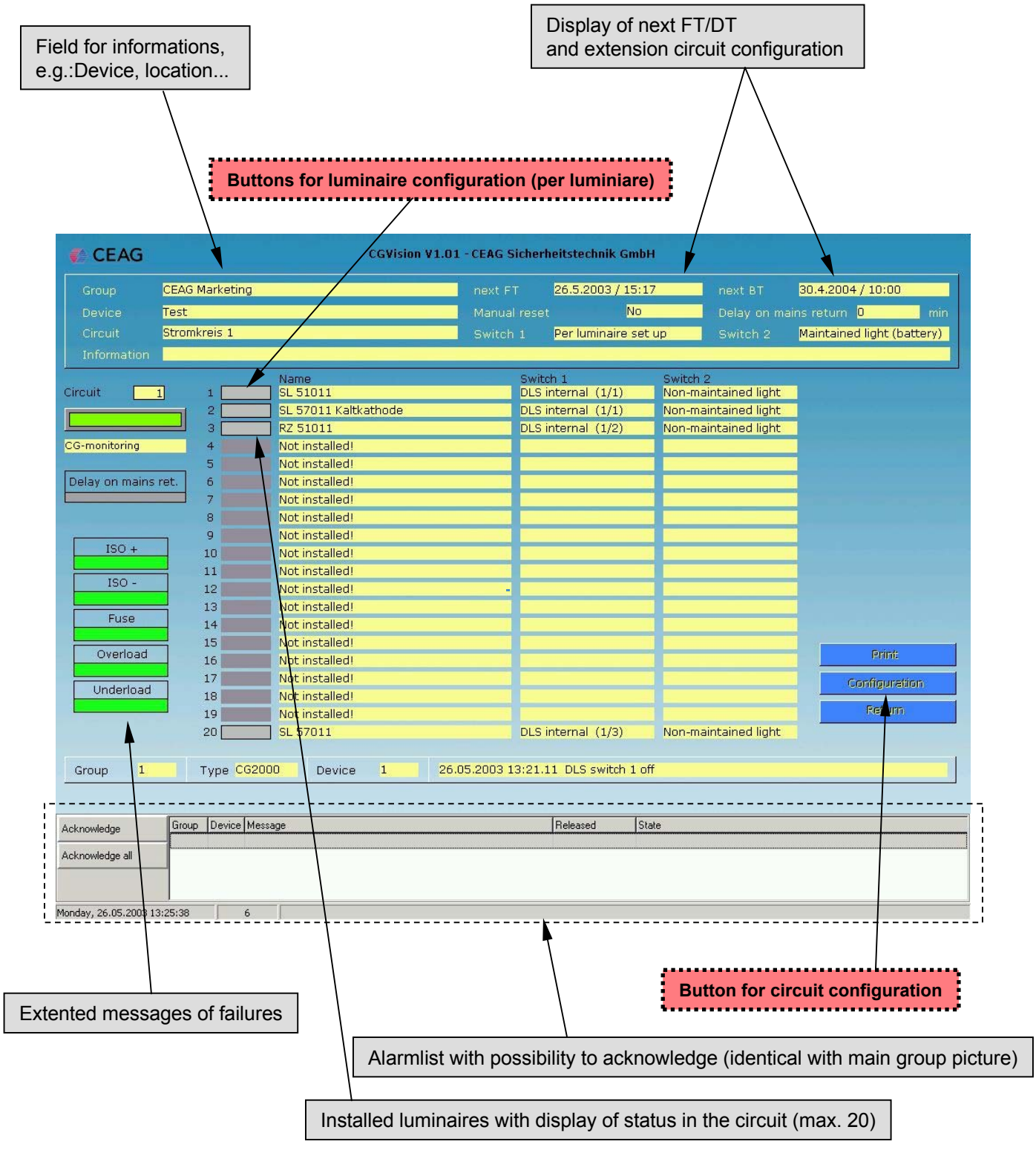


3.2 „Circuit picture“

Installed circuits are shown as colour pictured buttons.
To entry in the desired circuit level, please click on a button



Structure of a circuit picture



Configuration of circuits and luminaires

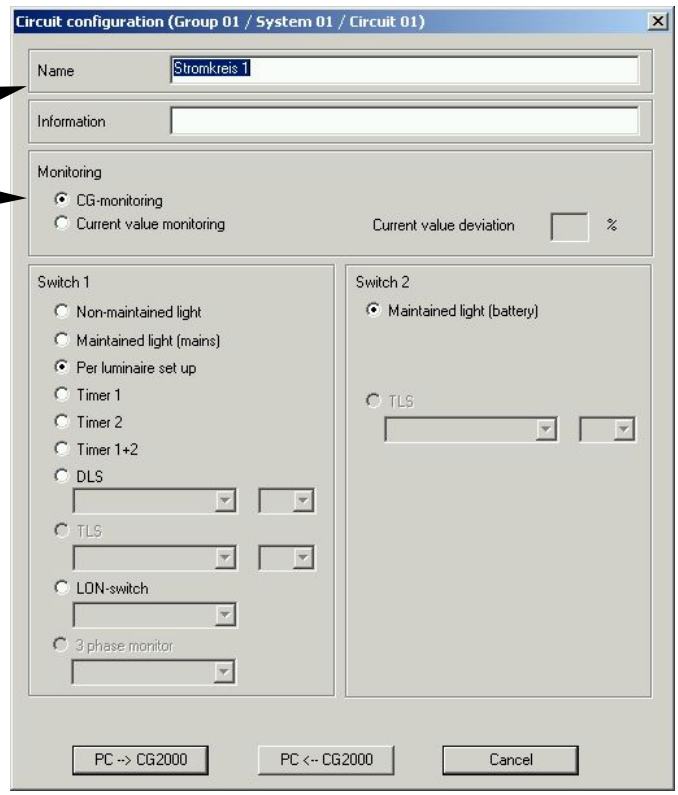
Configuration of circuits:

Input of circuitname and additional informations

Setting of the monitoring mode

Programming of circuit mode

Description see manual of the device



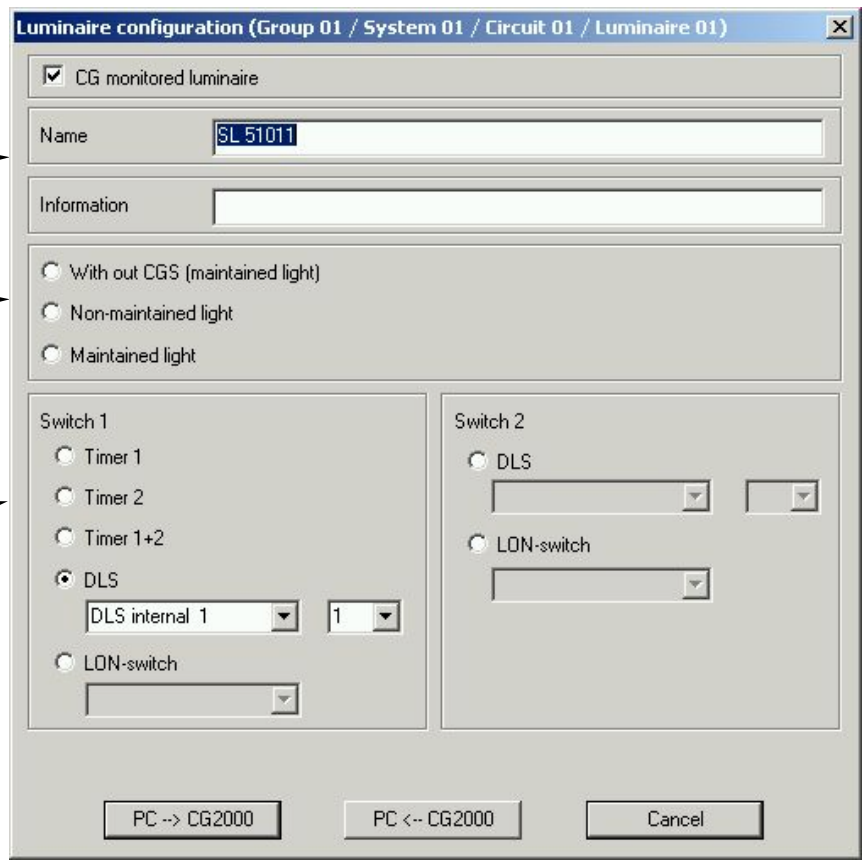
Configuration of the luminaires:

Input of luminaire name and additional informations

Switching mode

Programming of luminaires

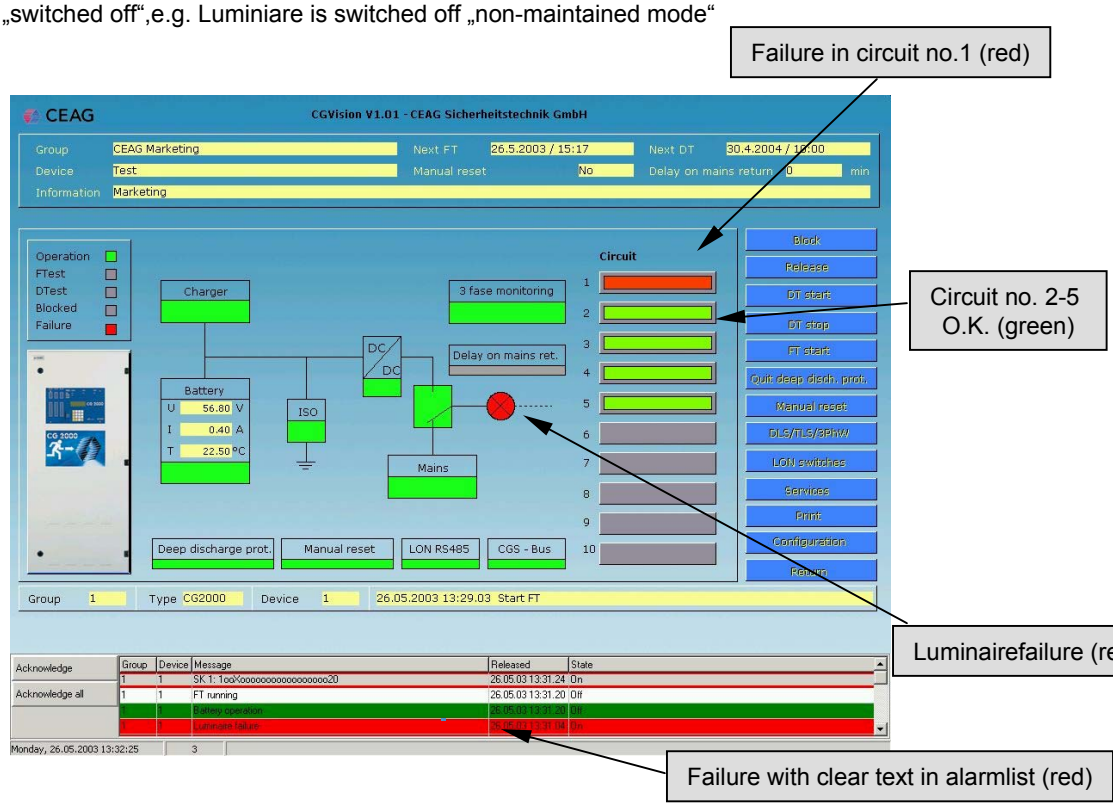
Description see manual of the device

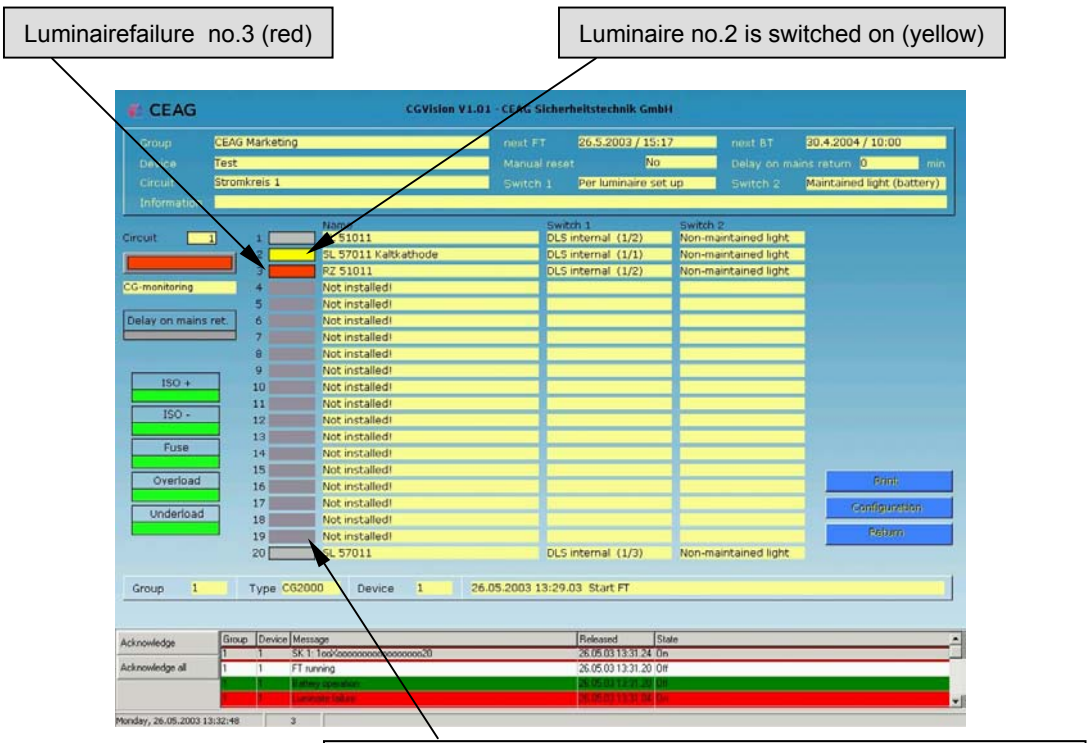


3.3 General displayoptions

The status of devices respective components are shown coloured in all pictures.
- „Green“ is „OK“
- „Red“ is „Failure“ in the referred section.
- „Yellow“ is for „switched on“, e.g.: circuit is switched on.
- „Grey“ is for „switched off“,e.g. Luminiare is switched off „non-maintained mode“

Examples:

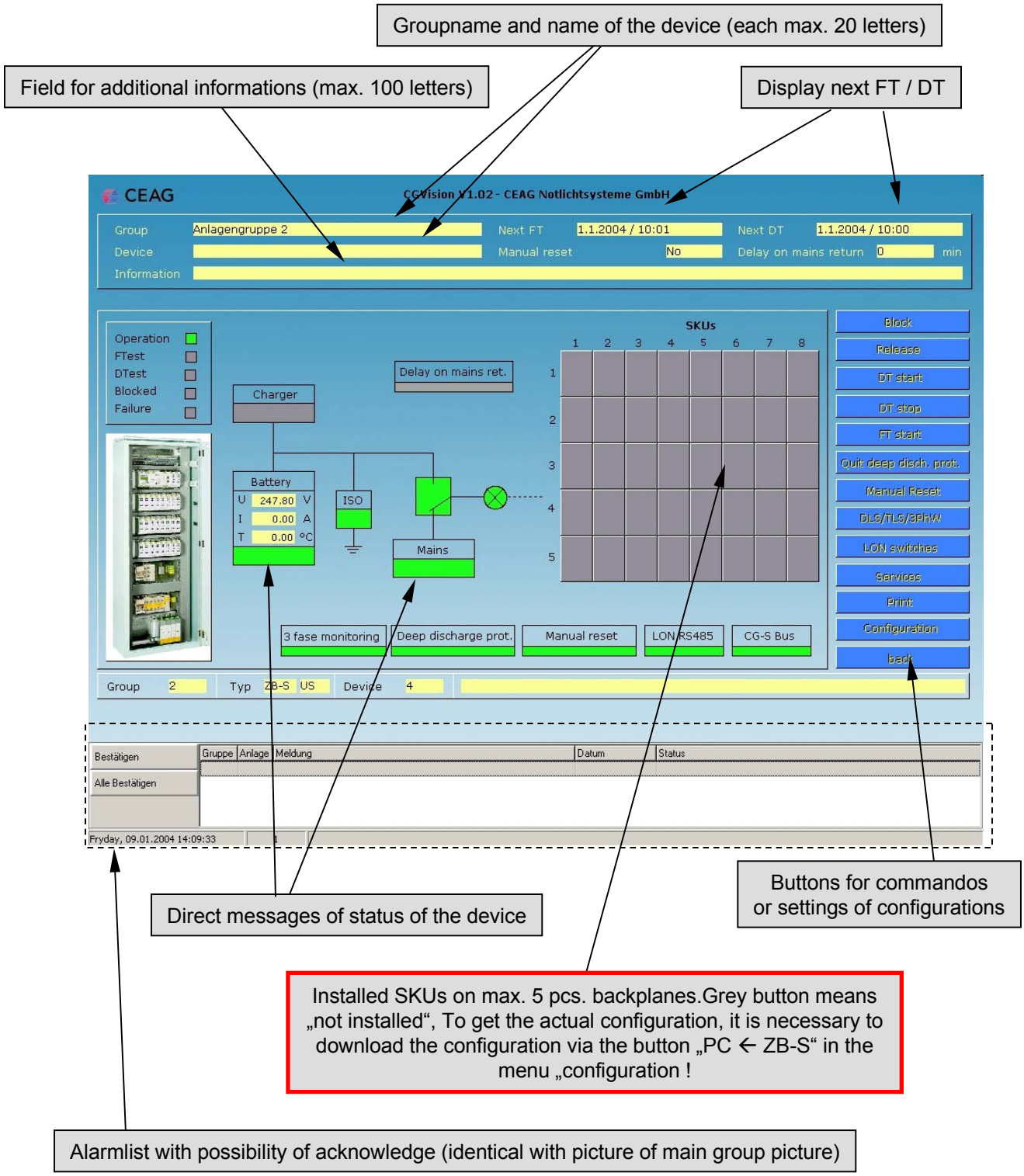




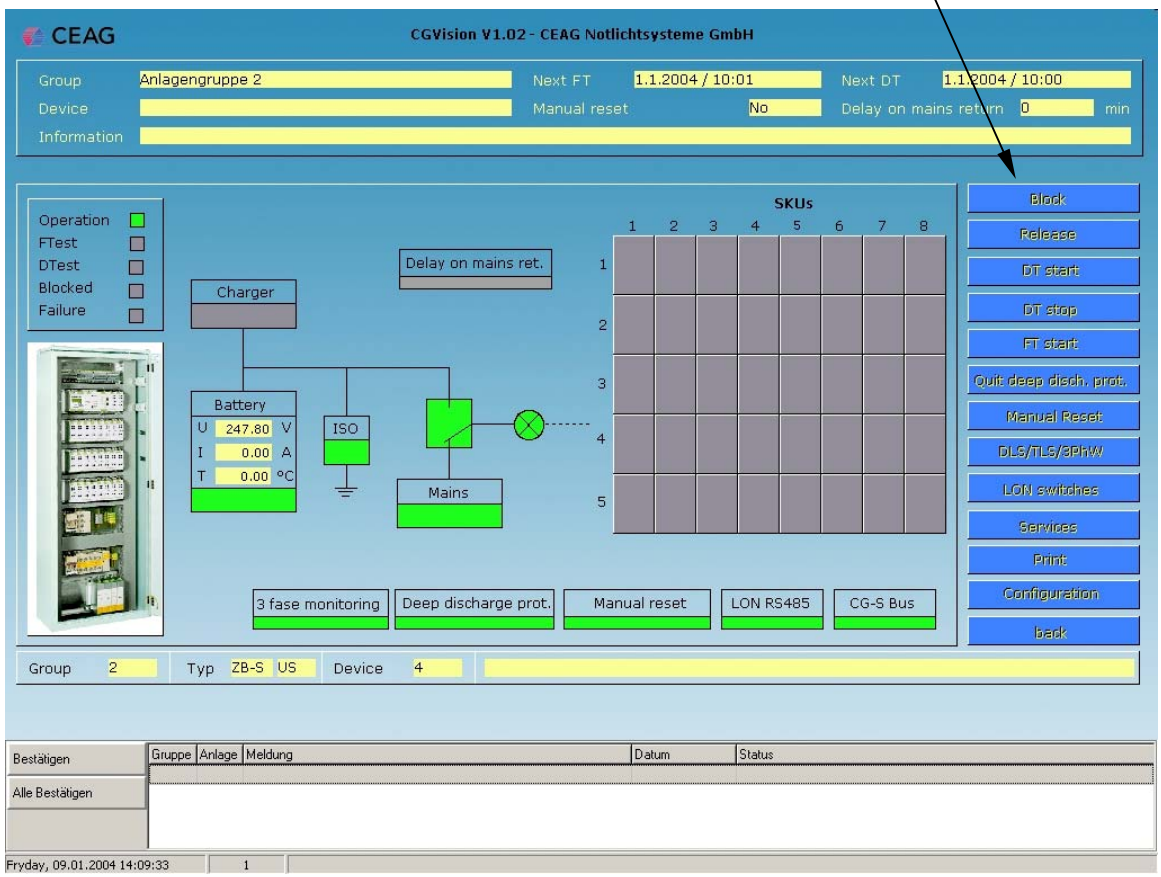
4 Device family ZB-S

4.1 „Device picture“

Structure of the device picture:



Functions of buttons for commando- or settings of configuration



a). „Block“
The device can be blocked

b). „Release“
The blocked systems can be released.

c). „DT start“
Duration Test for the device can be started.

d). „DT stop“
Duration Test for the device will be stoped.

e). „FT start“
Function Test for the device can be started.

f).“Quit deep discharge protection “
Acknowledge a deep discharge protection.

g).“Manuel reset“
reset for the device if it is waiting for a manual reset.

h).“DLS/TLS/3PhW“
Menu for Configuration DLS / TLS / and 3Phasemonitor

i).“LON-switches“
Menu for connection of external LON-switches.

j). „Services“
Different services for the logbook and for configuration.

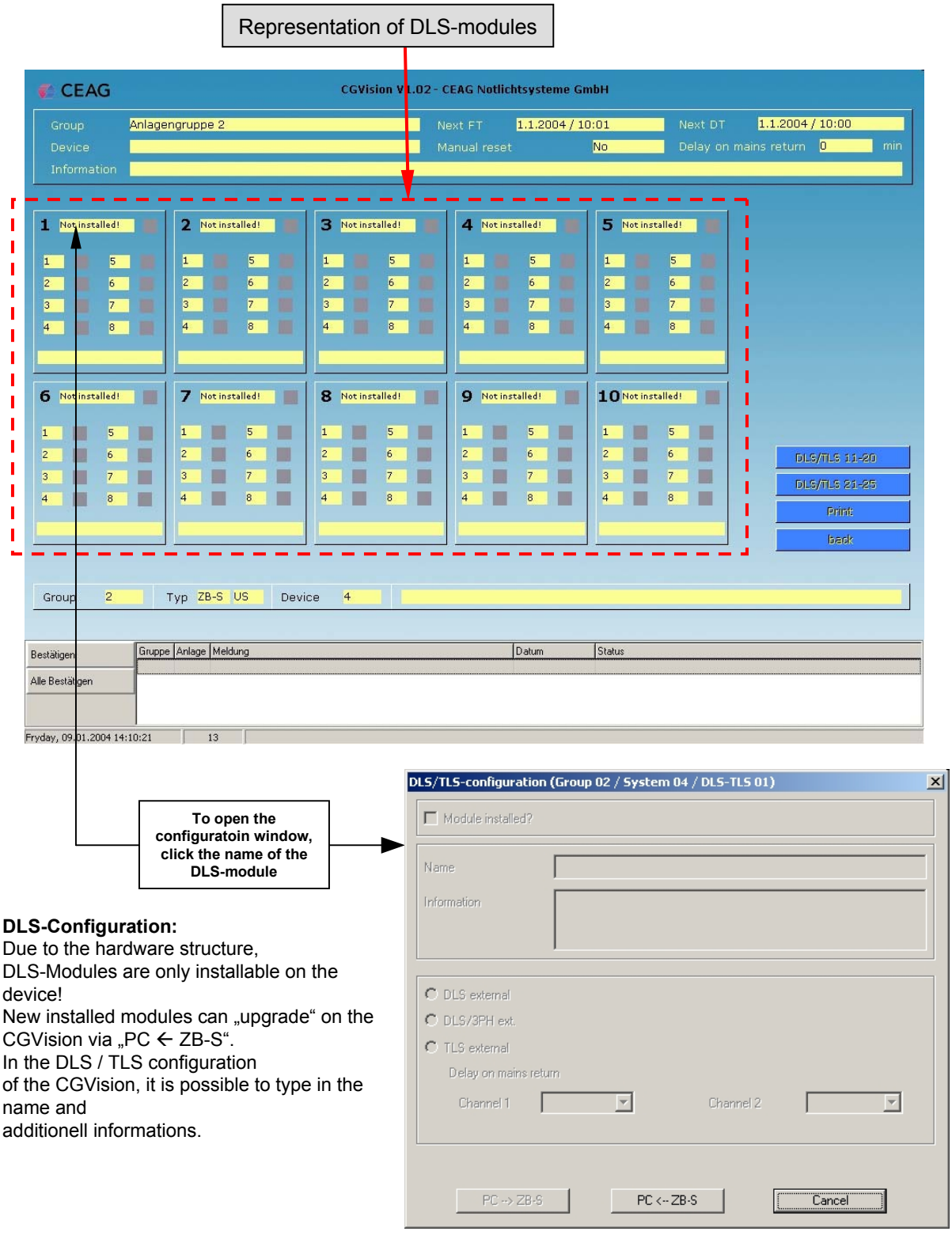
k).“Print“
A screenshot will be printed.

l). „Configuration“
Settings of configuration for all datas in the device picture.

m). „Back“
Back to the device group picture.

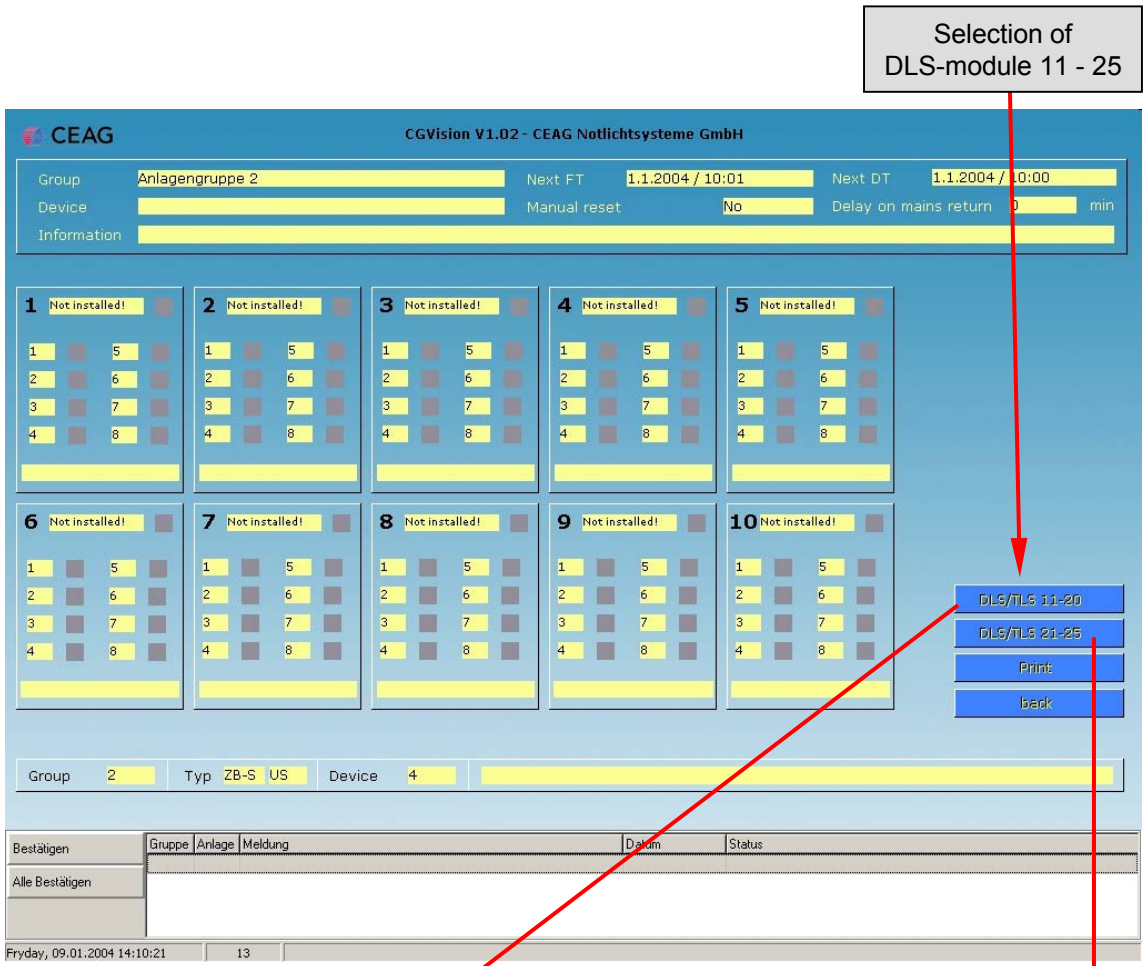
a). - g). Above described commandos (point a-g) are directly executable with a click on the button

h).“DLS/TLS/3PhW“
Menu for configuration of DLS / TLS / and 3Phasemonitor

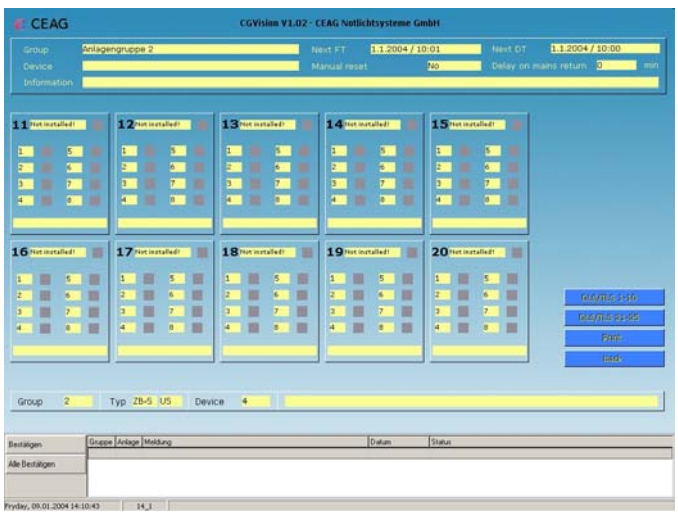


DLS-Configuration:
Due to the hardware structure,
DLS-Modules are only installable on the device!
New installed modules can „upgrade“ on the CGVision via „PC ← ZB-S“.
In the DLS / TLS configuration
of the CGVision, it is possible to type in the name and
additionell informations.

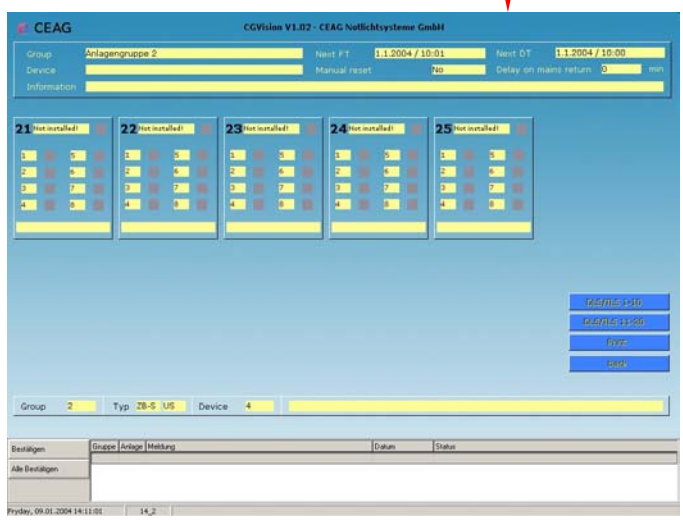
to h).“DLS/TLS/3PhW“
Selection of DLS-module 11 - 25



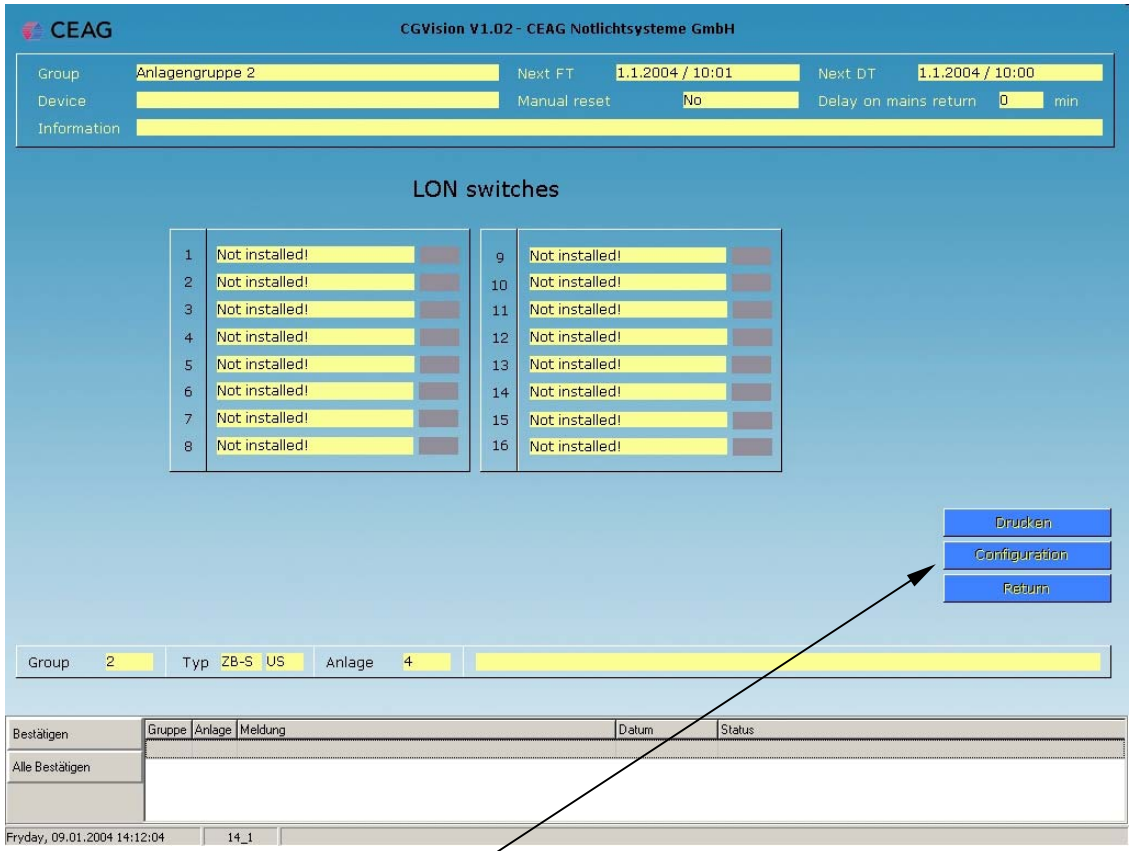
DLS-module 11 - 20



DLS-module 21 - 25



i).“LON-Switches“
Menu for connection of external LON-switches

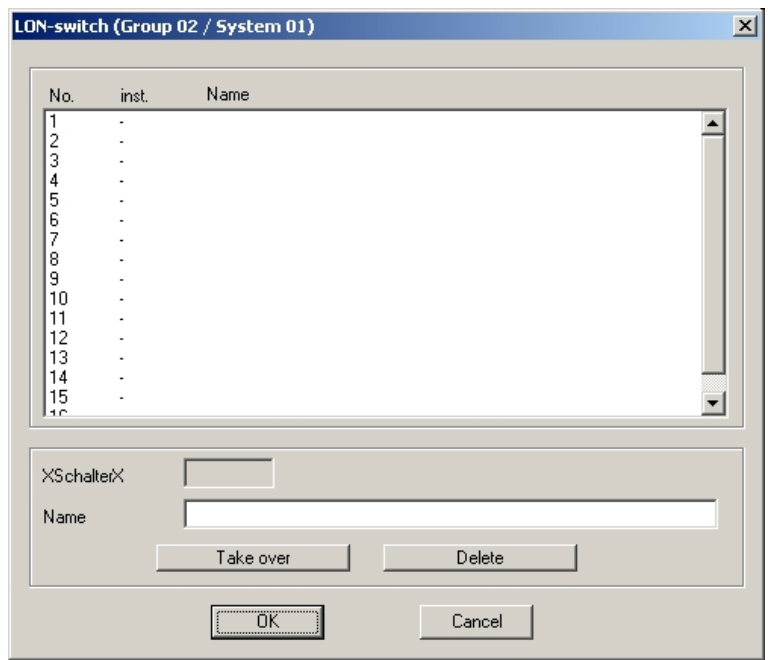


Configuration of external LON-sensors:

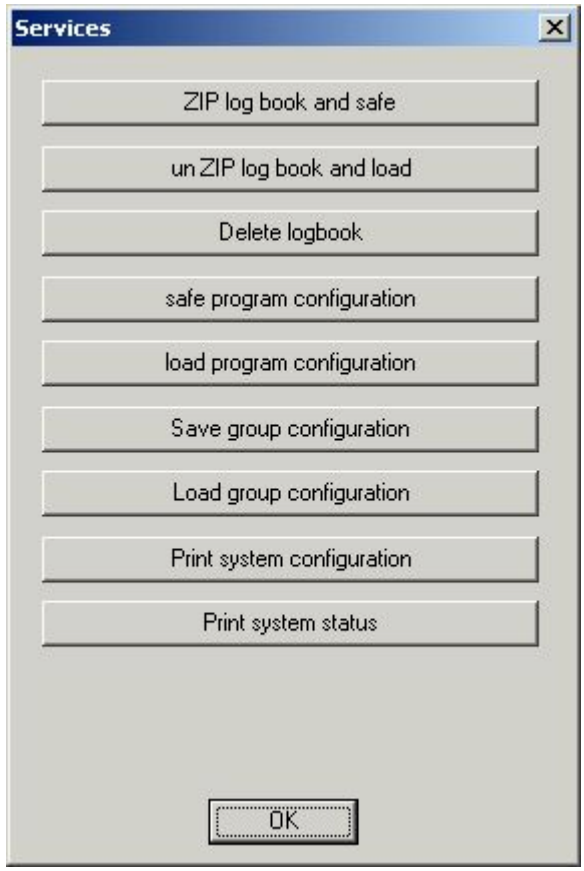
It is possible to configurate up to 16 external LON-sensors (e.g. switches).

To use the function „LON-switch“, it is necessary to activate on the ZB-S in the menu:
Basic setup // Connection to BMS
--> LON-Schwitches: YES
This function can also activate on the CGVision in the menu I.)“Configuration“ of the device picture.

A integration of external LON-sensors is to do from a certified LON-integrator!



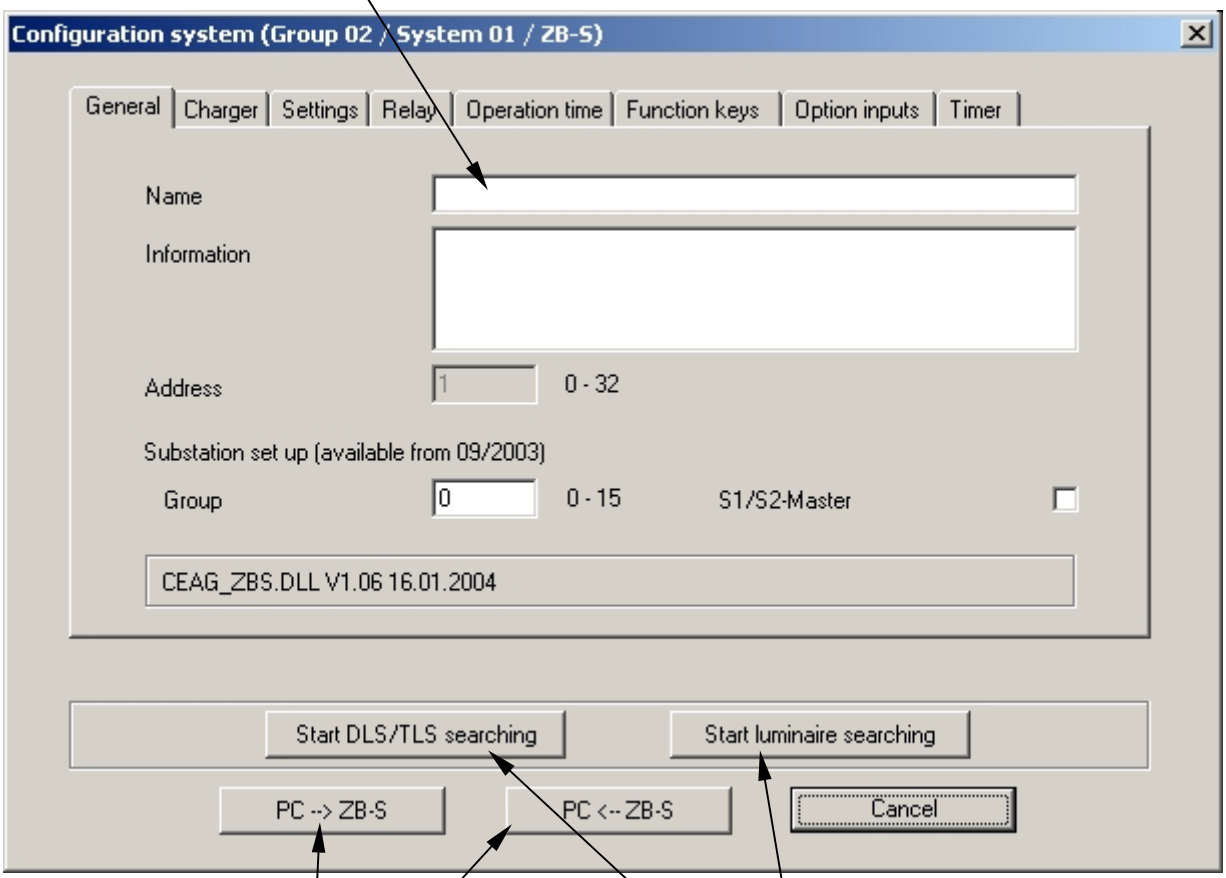
j). „Services“
Different services for the logbook and for configuration



The menu „Services“ is identical with the menu „Services“ in the device group picture, with the difference that the printing of the status is only for the individuell device.
A description for saving/loading of program configurations / group configuartions, you will find in chapter 2.2 „device group picture“ in j) „services“.

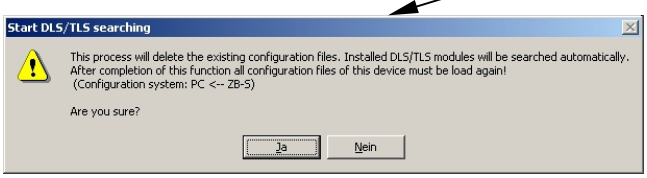
I. „Configuration system“ (device)
a). General

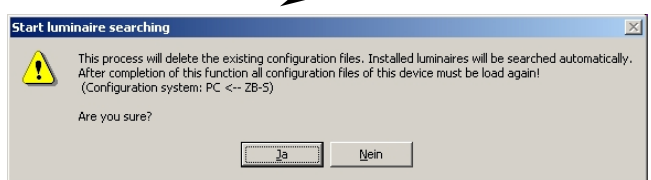
Input of devicename and additional informations



With the button „PC --> ZB-S“ it is possible to sent all changed configurations to the device.
With the button „PC <-- ZB-S“ it is possible to download all current configurations (control unit) of the device. **A download of the complete device configuration, is only possible in the device group picture ! (see page 50)**

Option: DLS/TLS searching and lum. searching
Buttons to start of „DLS/TLS searching“ and „luminiare searching“, like is possible on the device at site.
Please note !:
After process of the functions, it is necessary to download the configurations of the device again.
Following pictures appears:
DLS - search luminaire search



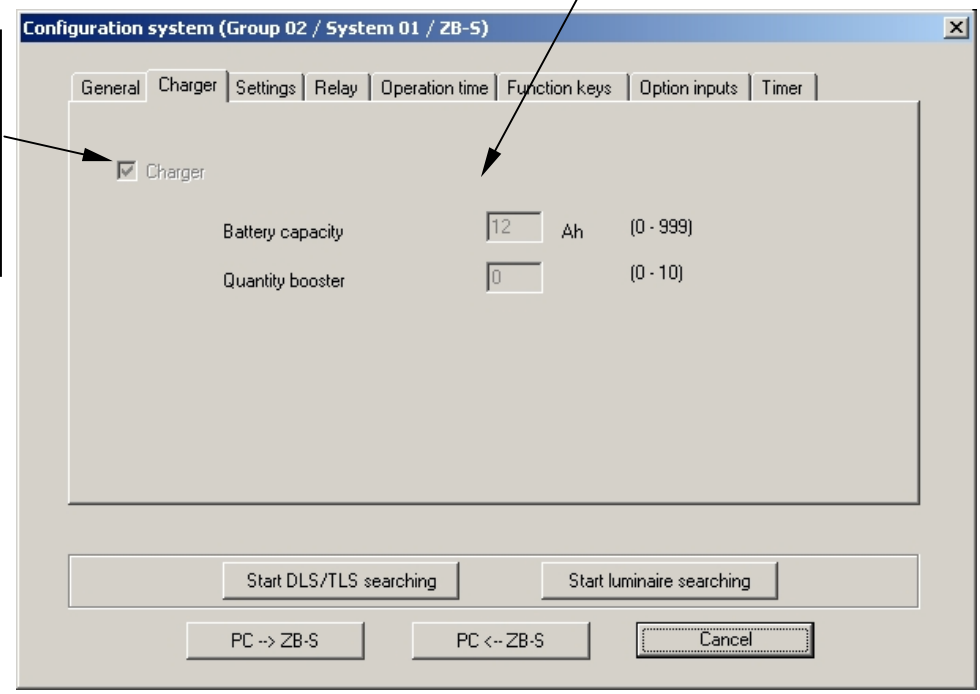


zu I. „Configuration system“ (device)
b). Charger

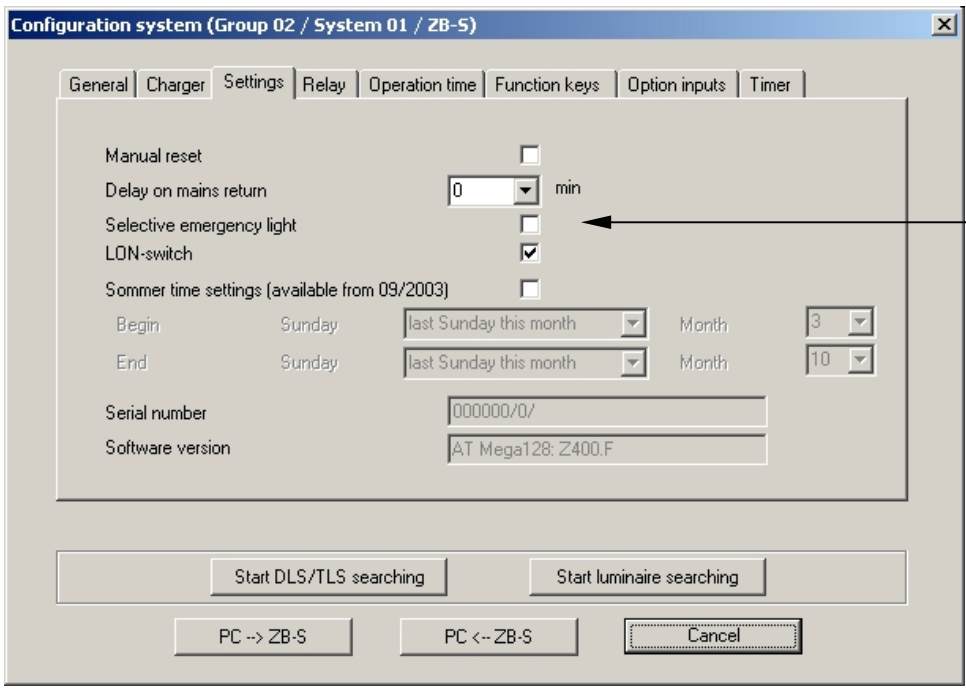
Display of the battery capacity in Ah and no. Of the installed charging booster (if a charger is installed)

Charger installed = Central battery system

Charger not installed = Substation



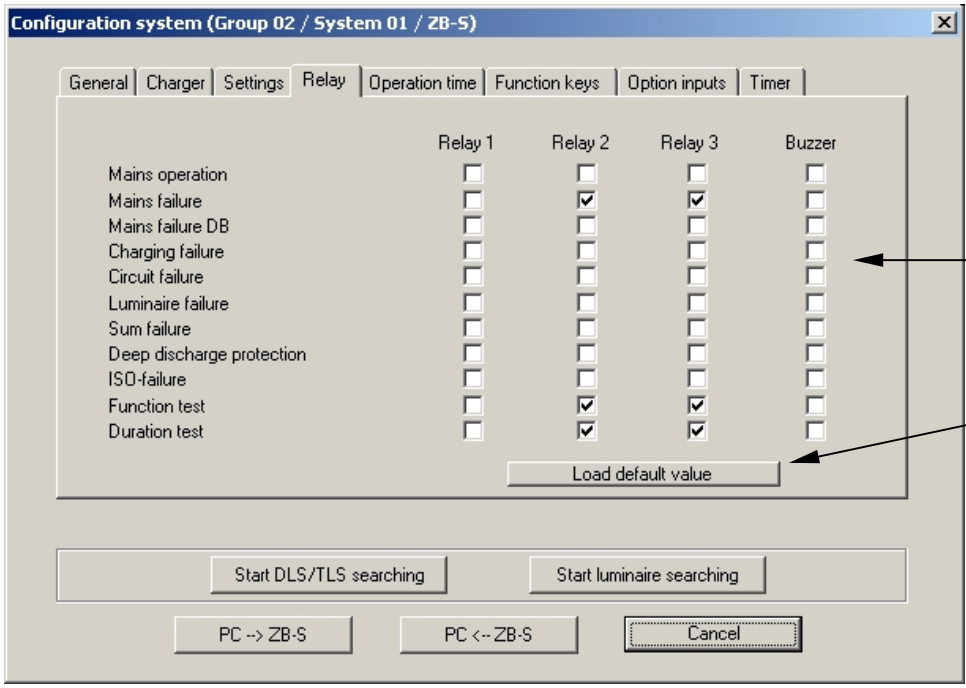
c). Settings



Input of special settings e.g.:

- Manual reset
- Delay on mains return 1 - 15 min.
- Selective emergency light assigned to external DLS-modules
- LON- switch present

to I. „Configuration system“ (device)
d). Relay



free selectable relay-contacts and buzzer function

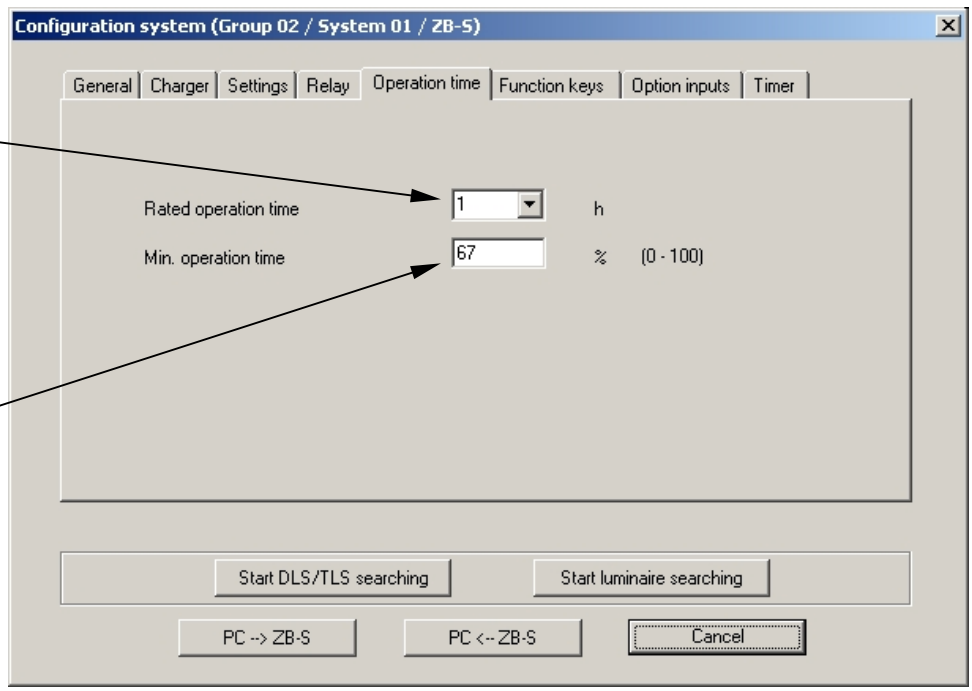
with „load default value“, it is possible to reset the settings, to manufacturer settings

e). „Operation time“

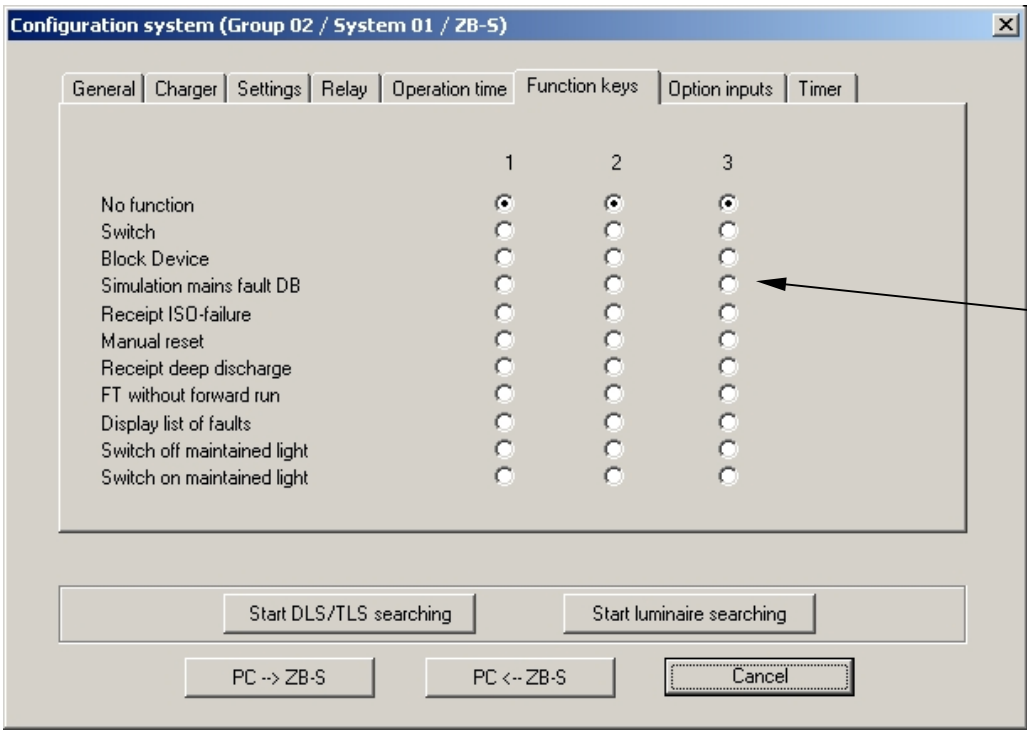
Rated operation time (batteryoperation):

1 - hour
2 - hour
3 - hour
8 - hour

Input of the test-operation time of the battery duration test:
0 - 100 %



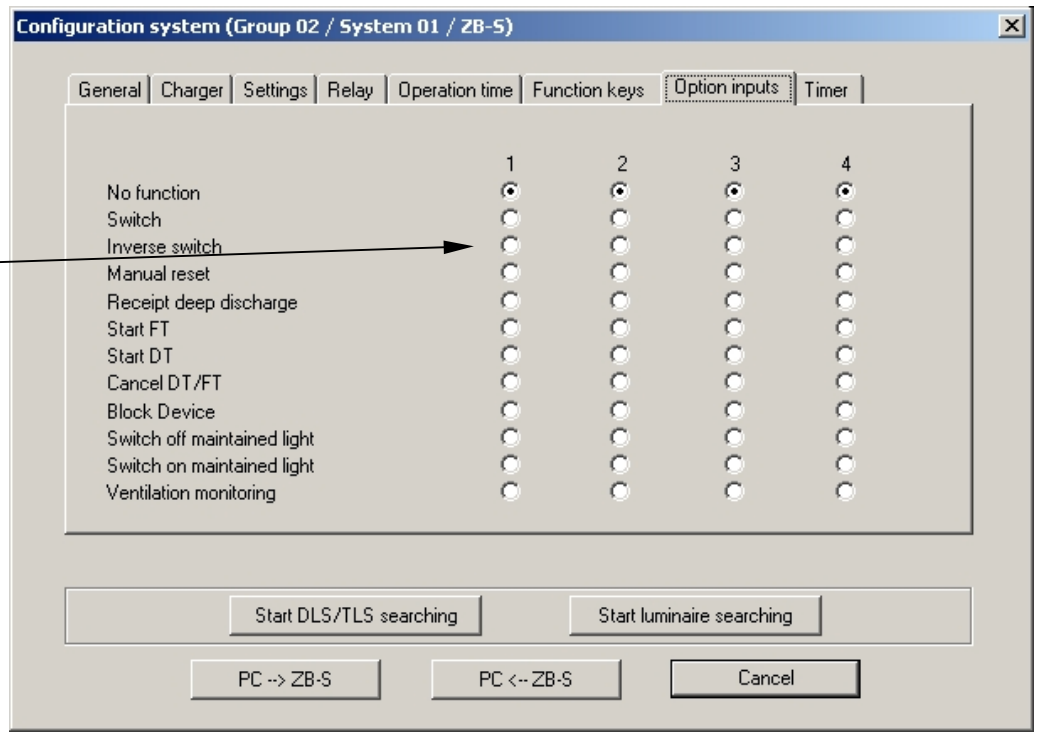
to I. „Configuration system“ (device)
f). Funktions keys



Settings of the free programmable function keys on the control unit ZB-S

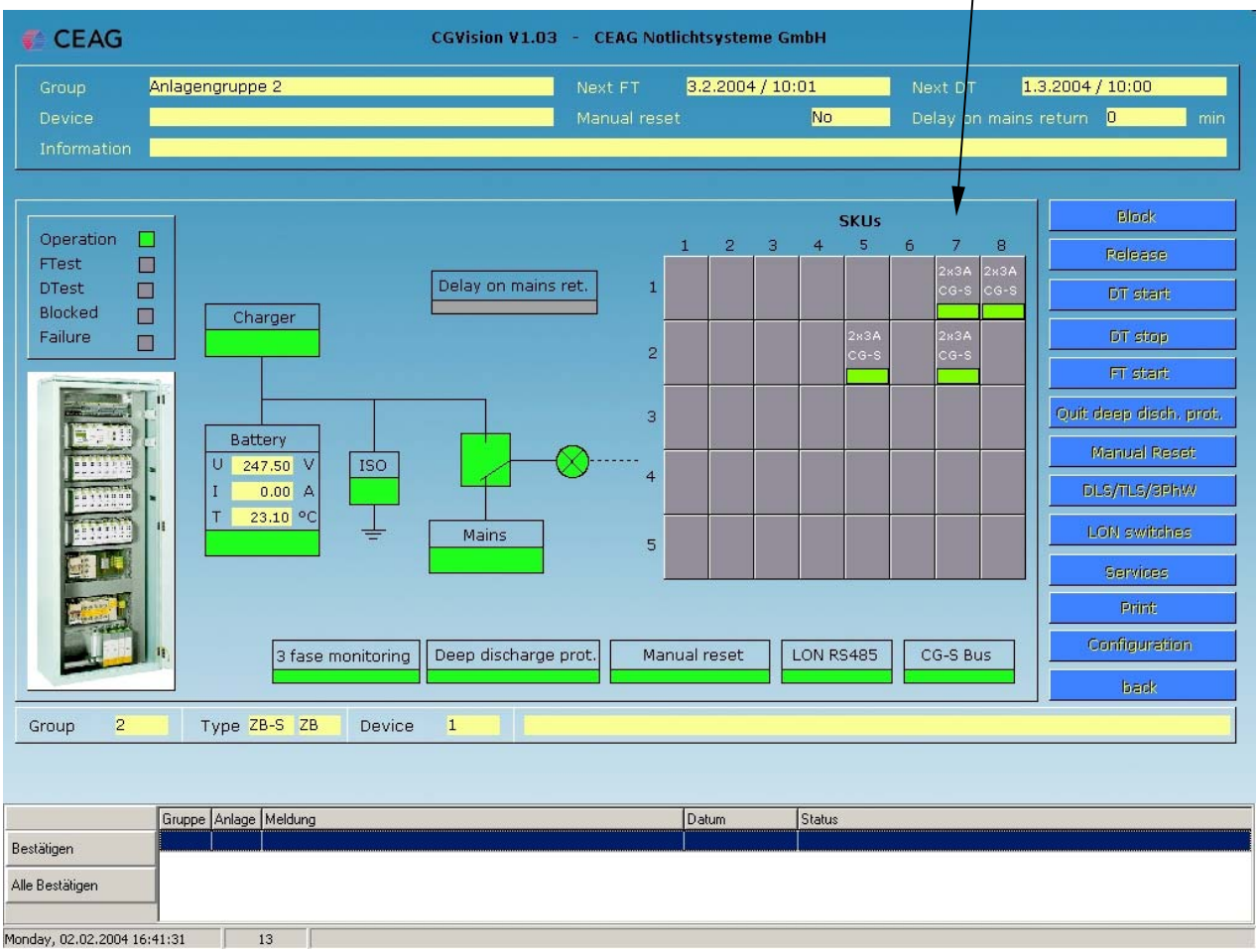
g). Option inputs

Settings of the free programmable pot.free option inputs on the control unit ZB-S

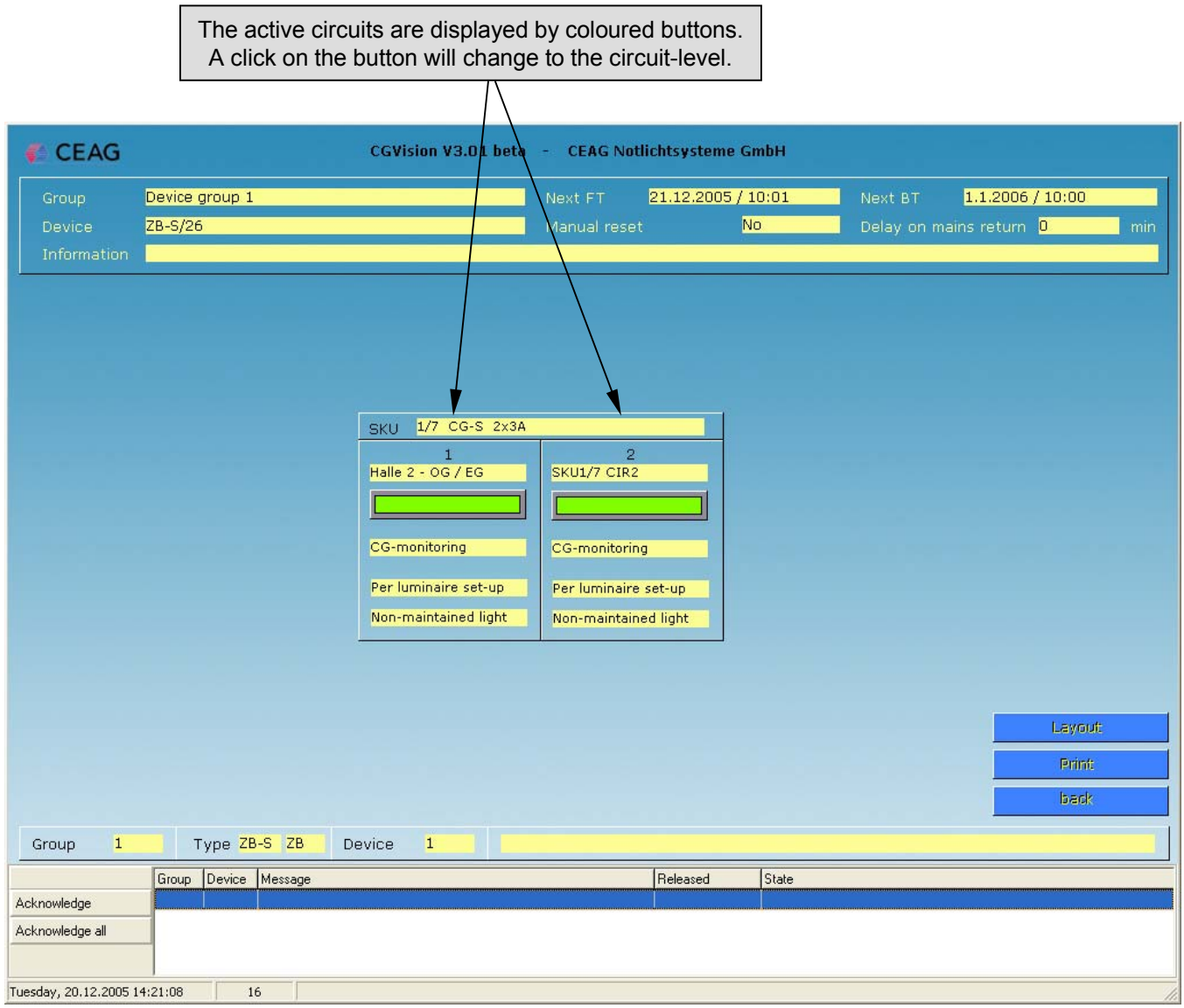


4.2 „SKU picture“

Installed SKU´s are displayed with coloured buttons. A click on a button, will change to the SKU-level

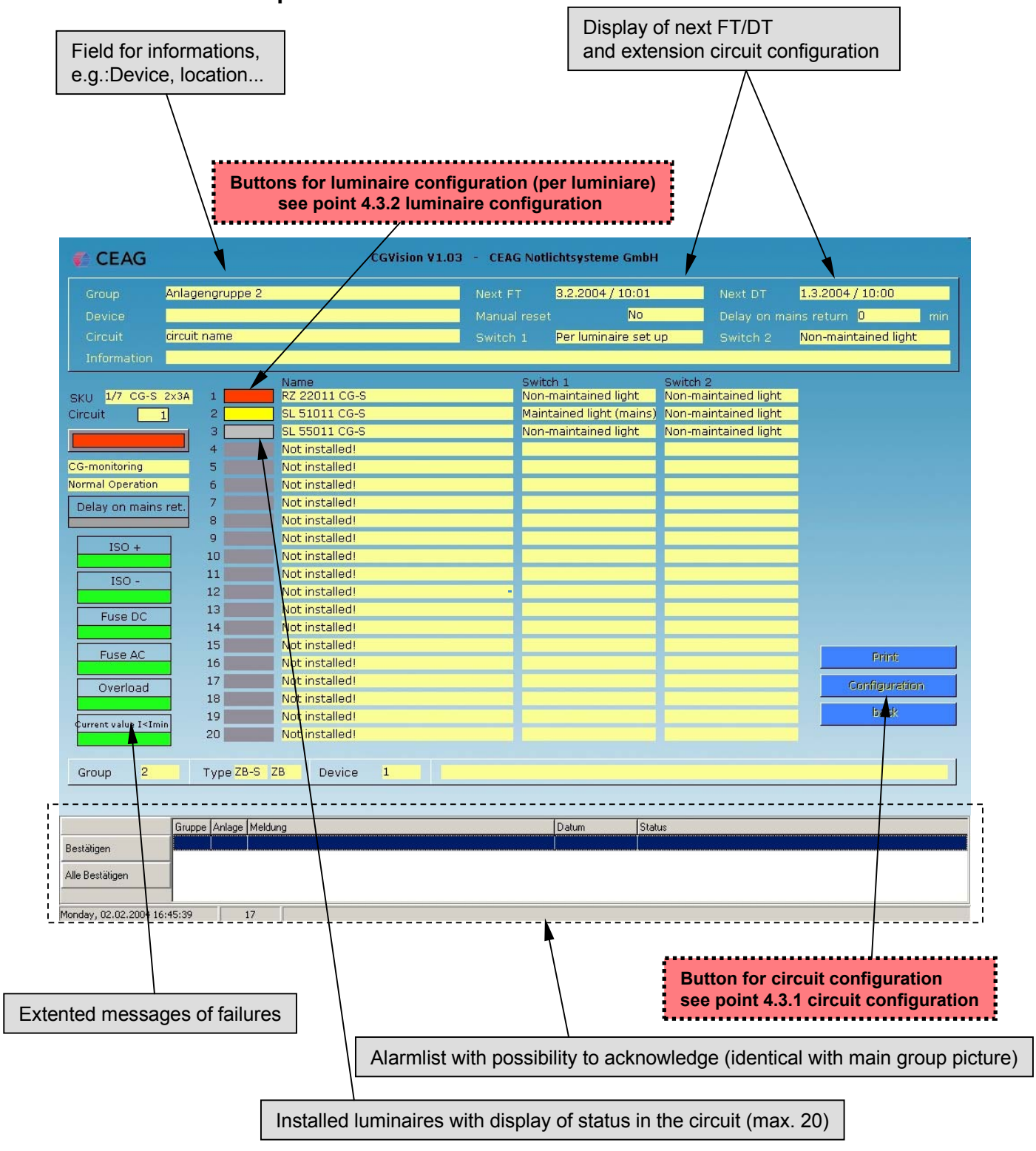


to 4.2 „SKU picture“

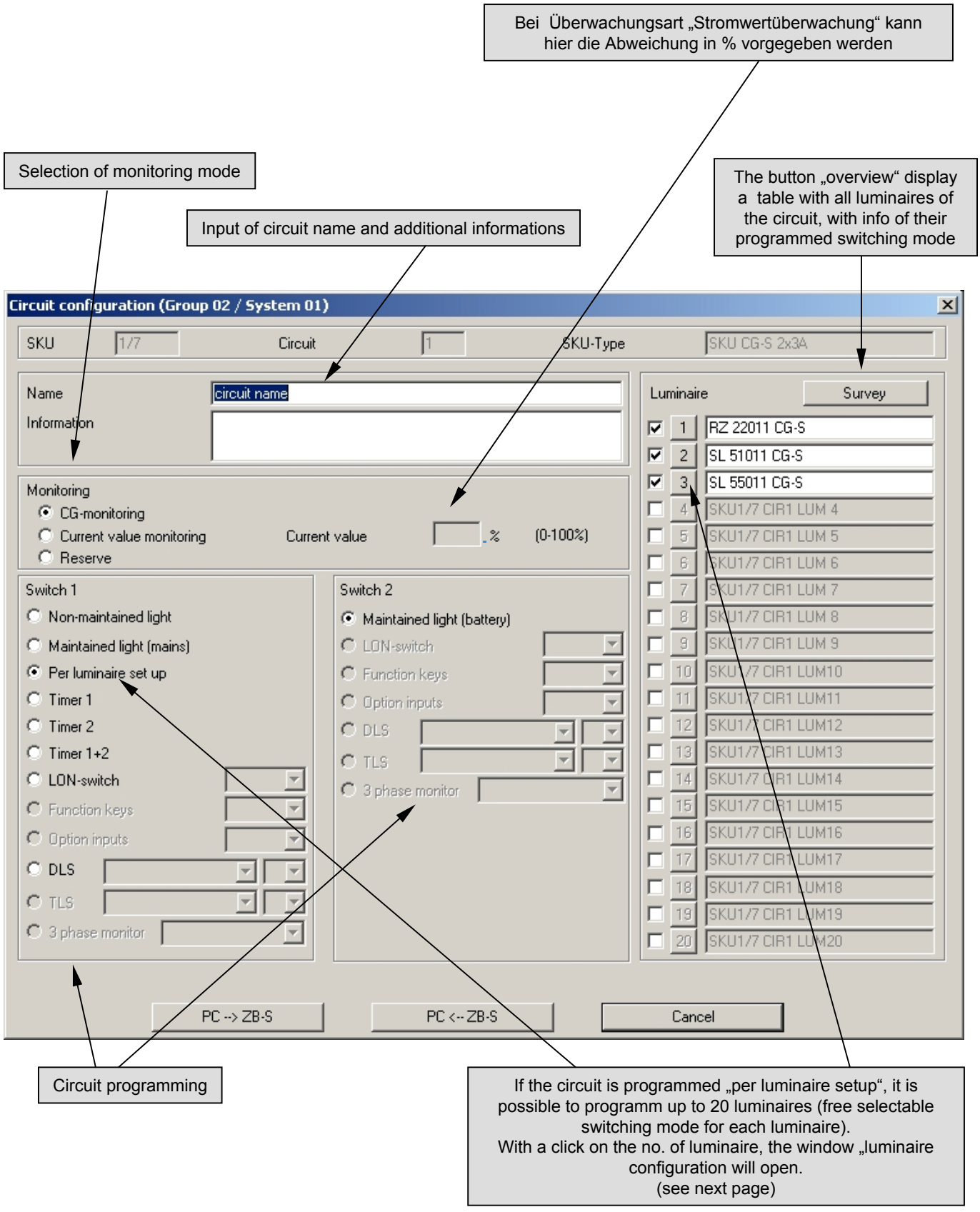


4.3 „Circuit picture“

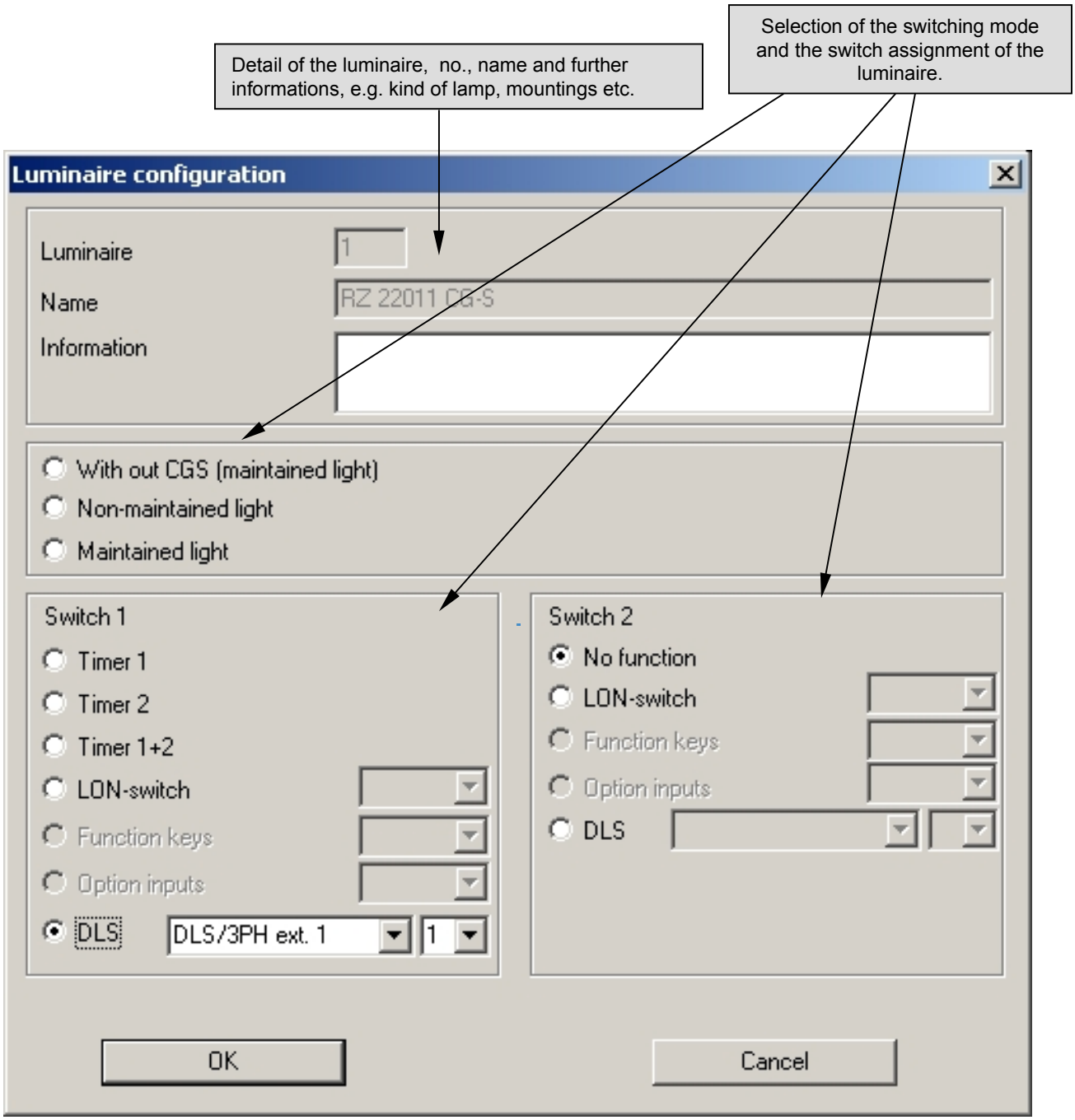
Structure of a circuit picture



4.3.1 Circuit configuration



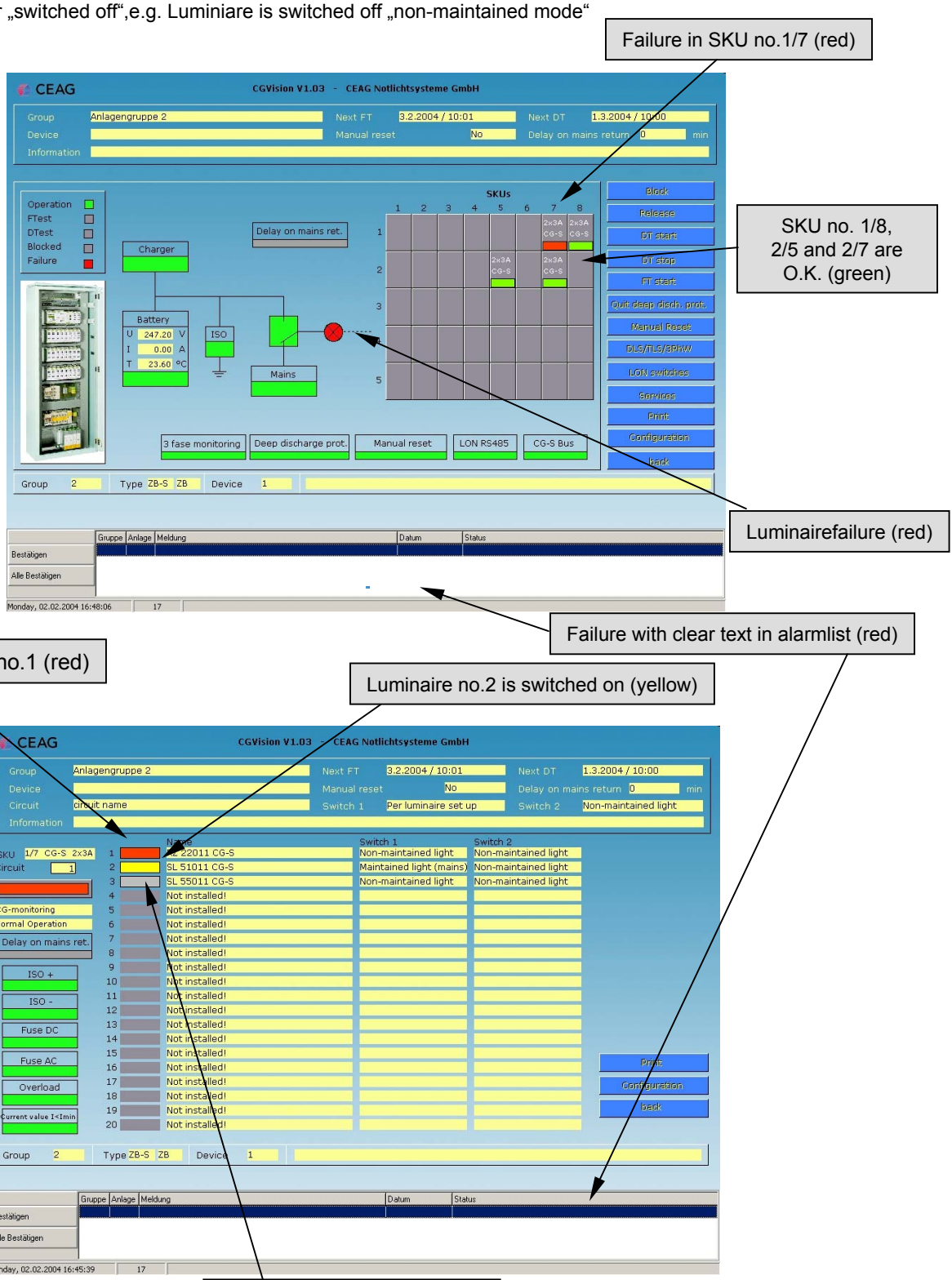
4.3.2 Luminaire configuration



4.4 General displayoptions

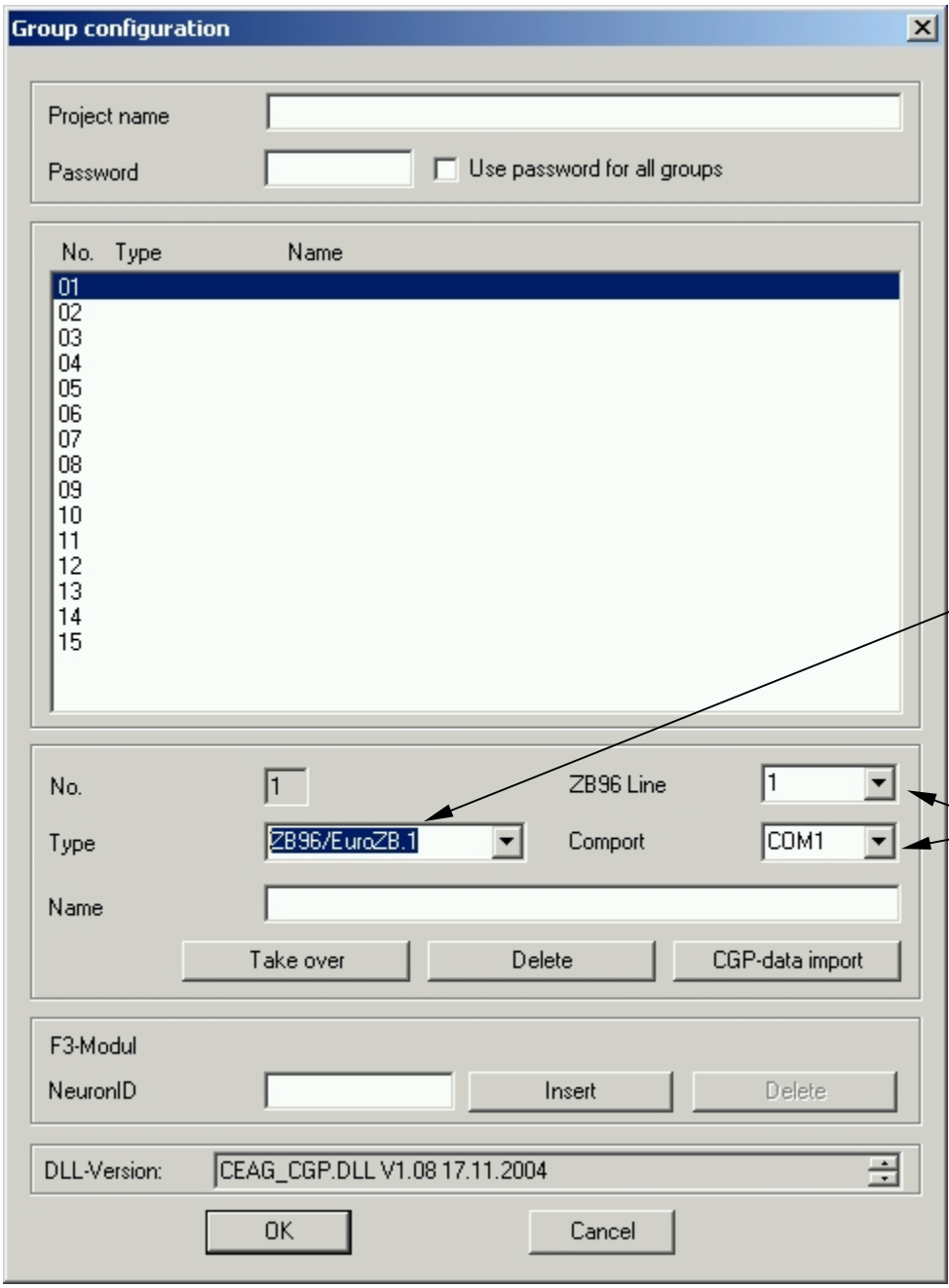
The status of devices respective components are shown coloured in all pictures.
- „Green“ is „OK“
- „Red“ is „Failure“ in the referred section.
- „Yellow“ is for „switched on“, e.g.: circuit is switched on.
- „Grey“ is for „switched off“,e.g. Luminiare is switched off „non-maintained mode“

Examples:



5 Device family ZB 96

5.1 Configuration of a ZB 96 / Euro ZB.1 EGA-line



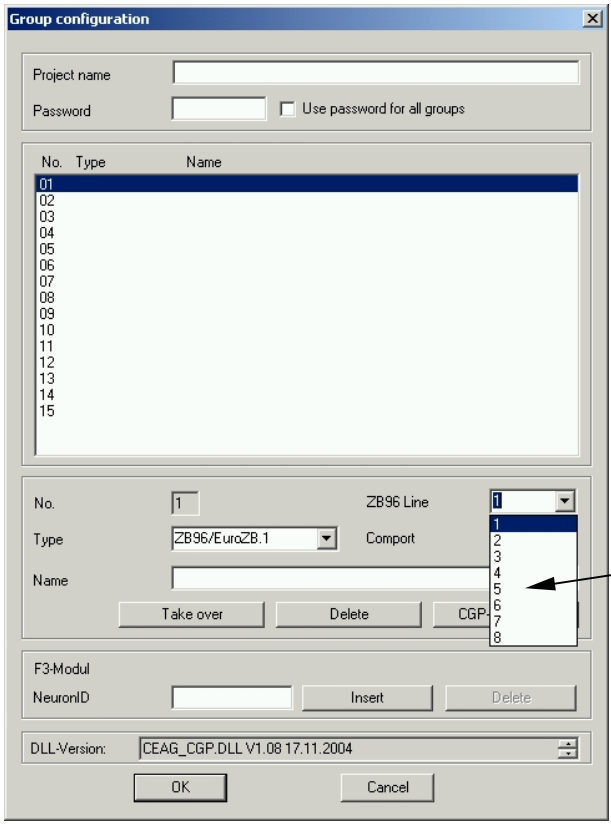
The assignment of the ZB96 or Euro ZB.1 groups to an EGA-line must be noticed !

It is possible to connect up to 8 EGA-data lines, with each 32 devices on the CGVision. The connection occurs via the seriell interface (COM-Ports) on the PC. For each EGA-line, one COM-Port is required.

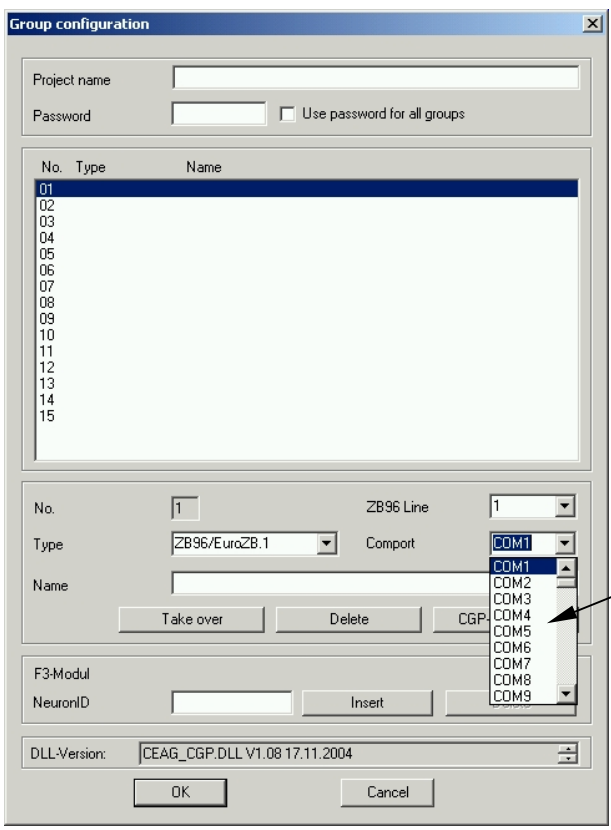
Selection of the device family:
Selection of the device family can be selected in the drop down menu „Type“.

The assignment of a EGA-line to a COM-Port can be selected via the drop down menu „ZB96 Line“ and „Comport“.

5.1 Configuration of a ZB 96 / Euro ZB.1 EGA-line



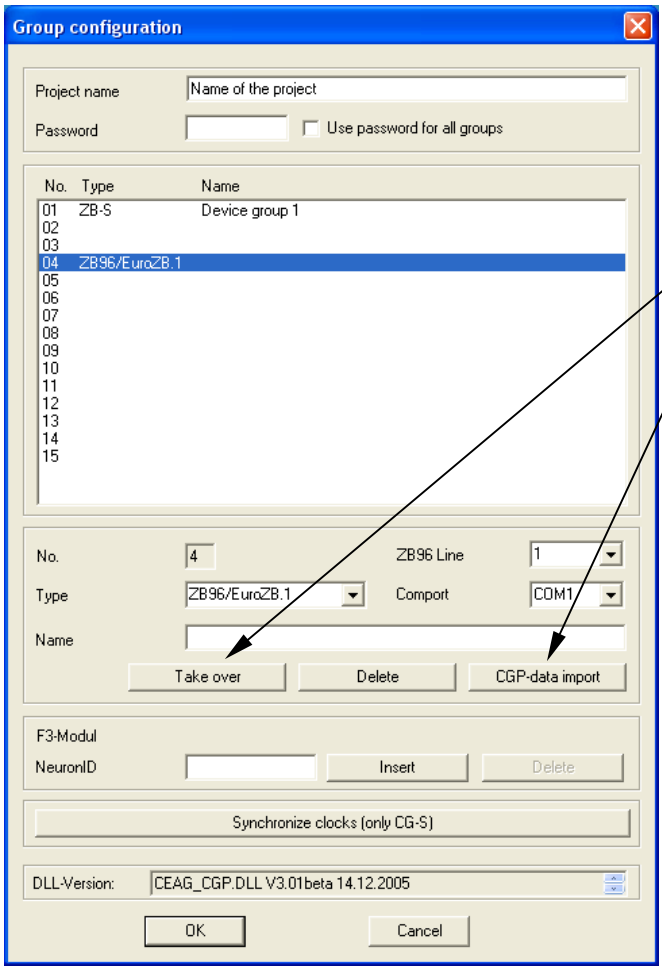
Selection of the EGA-line:
In the drop down menu „ZB96 Line“ can be selected the data line 1 to 8.



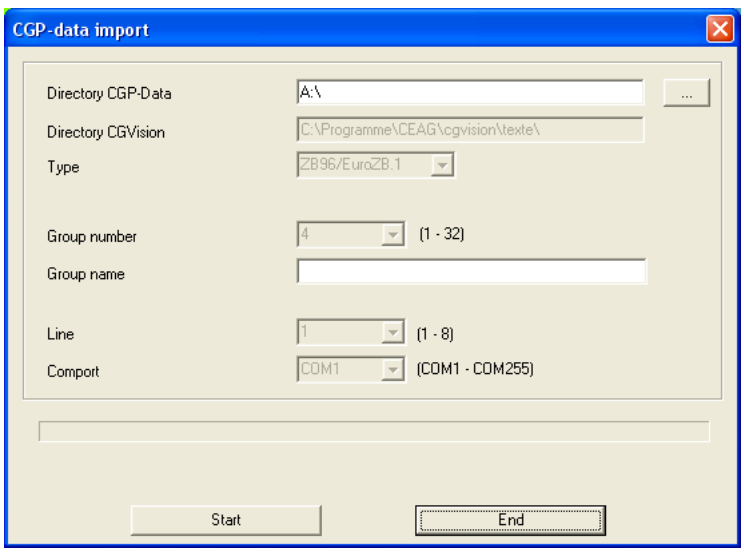
Assignment to the COM-Ports:
After selection of the EGA-line, it is possible to assign the EGA-line to a COM-port with the drop down menu (1 to 255).

5.2 CGP-Dataimport ZB96

In the case of a replacement of an old CGP, it is possible to import the CGP-configuration files of the CGP into the CGVision. A CGP-data import is only possble for „empty“ device groups !



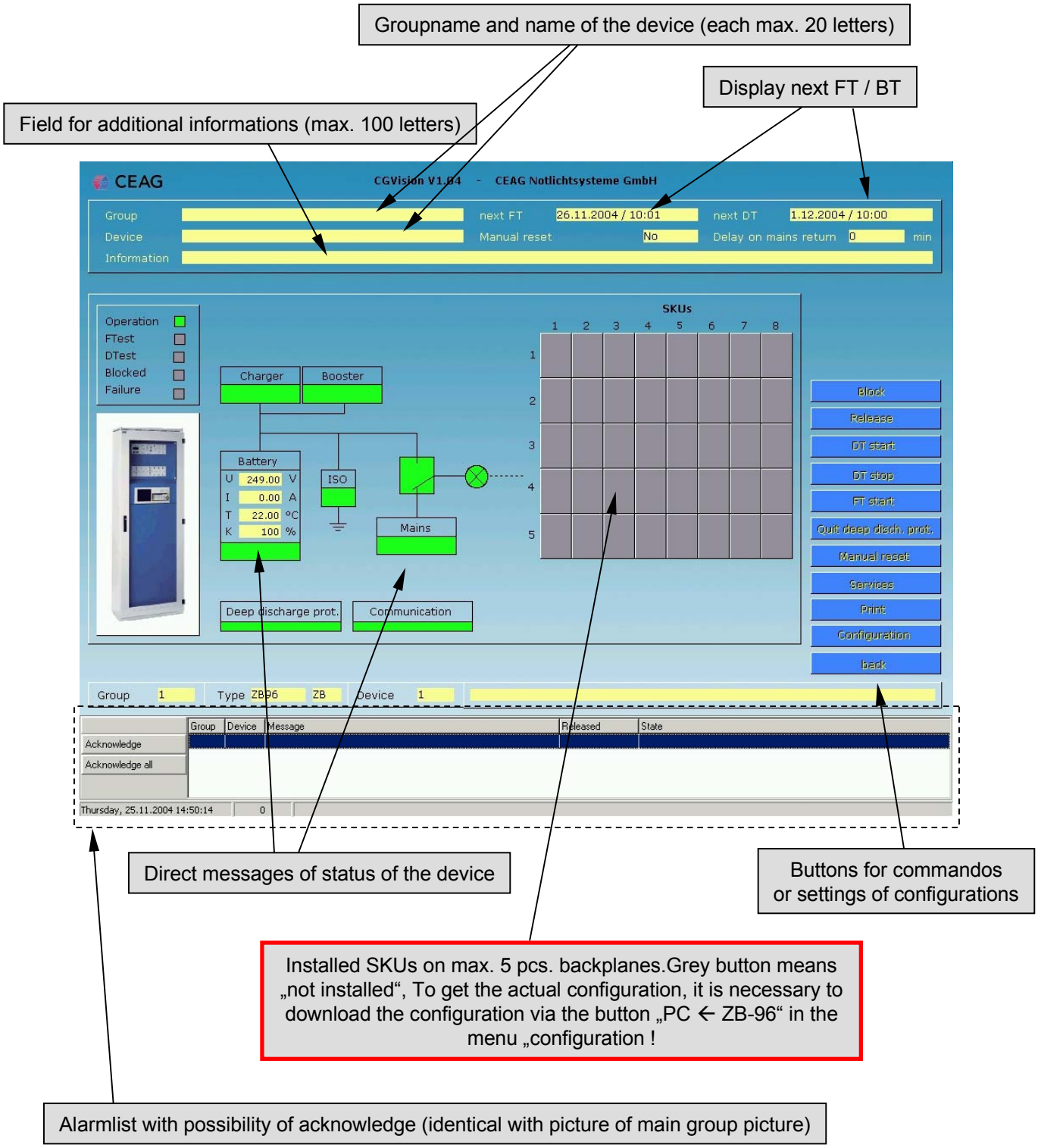
Before a CGP-data import can start, it is necessary to select the line and the COM-Port for the device group first. After confirm with take over, the CGP-data import can start.

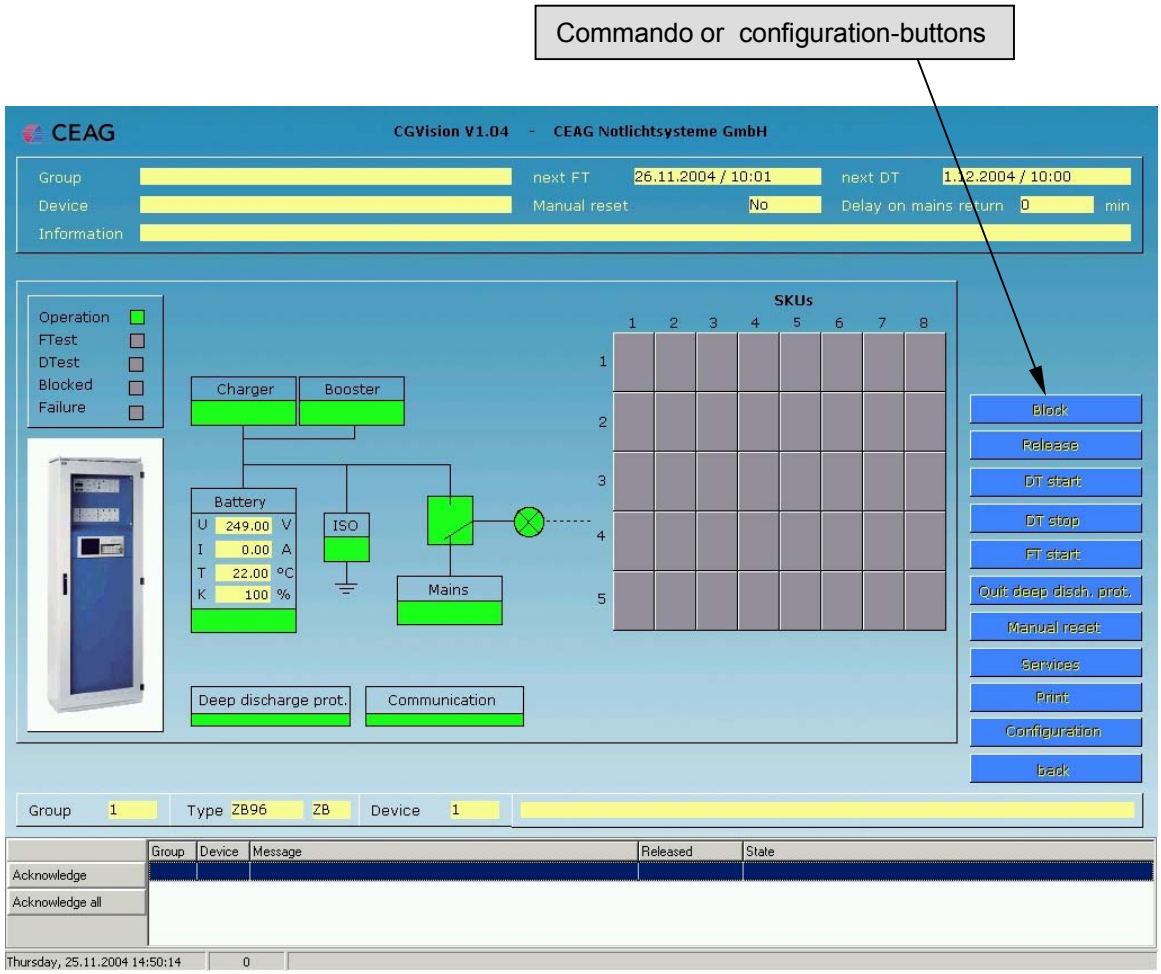


In the next window, the Directory of the CGP-datas must select. Typical directory for a CGP was the floppy drive a:\. It is possible to select other drives. With the button „Start“, the CGP data import will start. Please follow the next dialogs.

5.3 „Device picture“

Structure of the device picture:





a). „Block“
The device can be blocked

b). „Release“
The blocked system can be released.

c). „DT start“
Duration Test for the device can be started

d). „DT stop“
Duration Test for the device will be stopped

e). „FT start“
Function Test for the device can be start

f).“Quit deep discharge protection“
Acknowledge a deep discharge protection

g).“Manual reset “
Reset for the device, if it is waiting for a manual reset.

h). „Services“
Different services for the logbook and for configuration

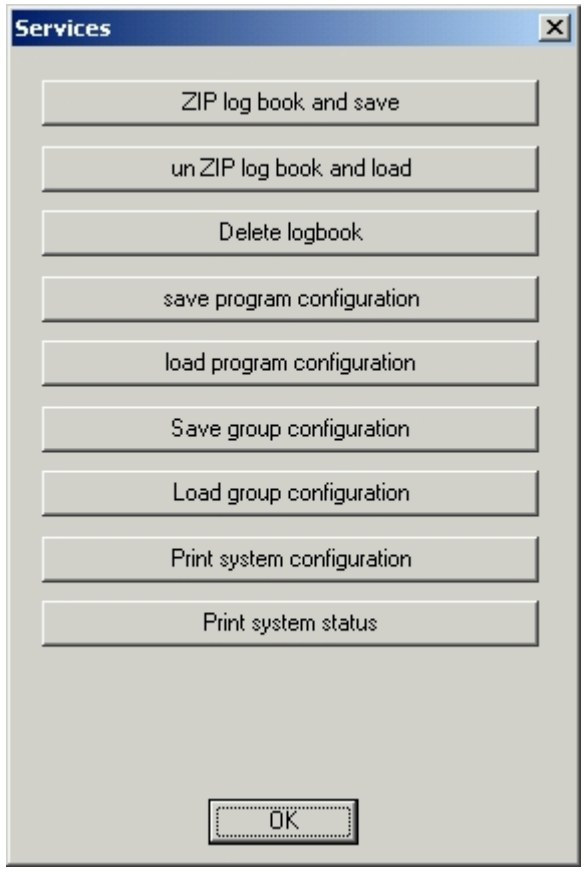
i).“Print“
A screenshot will be printed

j). „Configuration“
Settings of configuration for all datas in the device picture

k). „Back“
Back to the device group picture

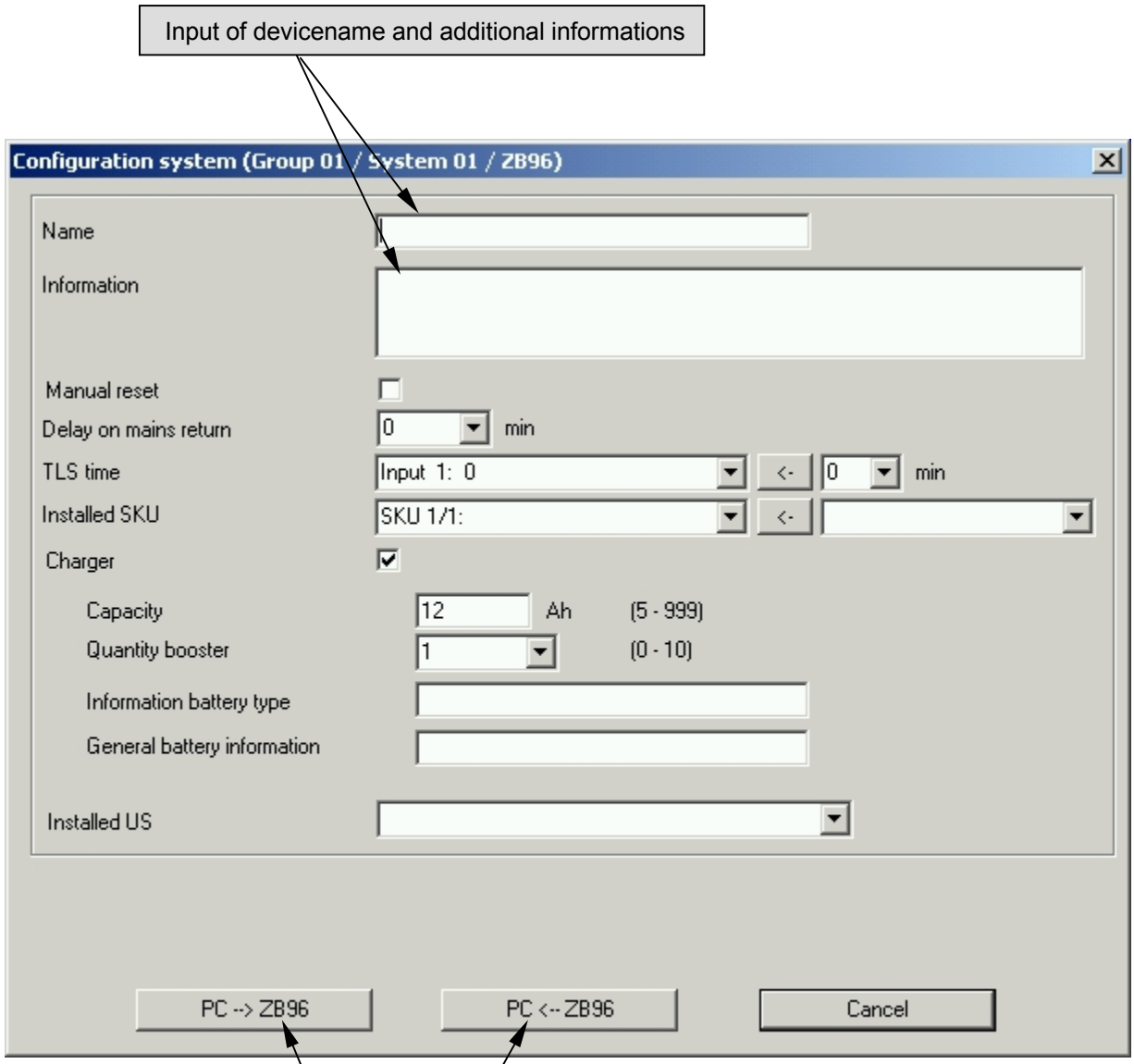
a.) - g). Above described commandos are directly executable

h). „Services“
Different services for the logbook and for configuration



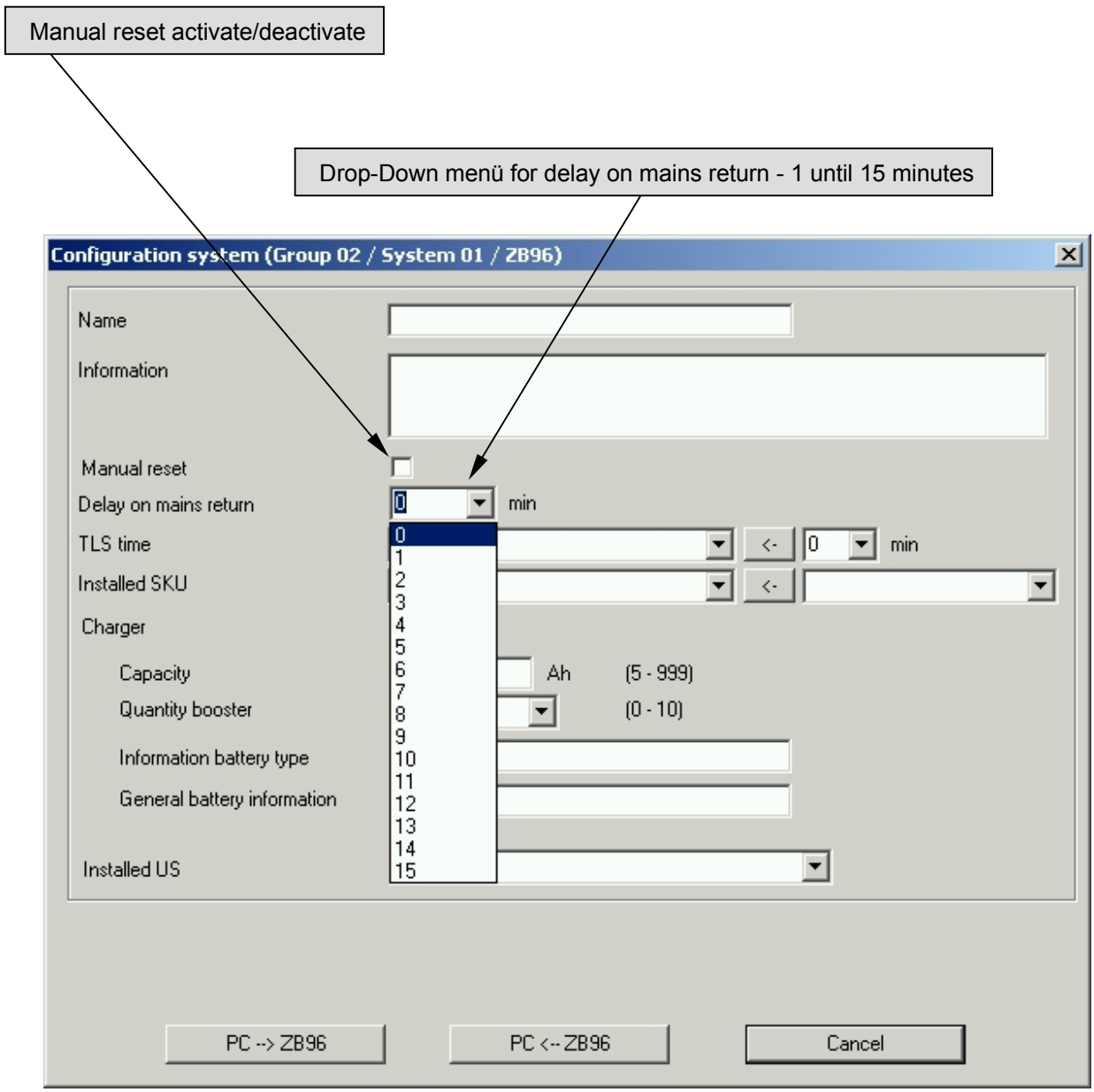
The menu „Services“ is identical with the menu „Services“ in the device group picture, with the difference that the printing of the status is only for the individuell device.
A description for saving/loading of program configurations / group configuartions, you will find in chapter 2.2 „device group picture“ in j) „services“.

j. „Configuration system“ (Device)
a). General

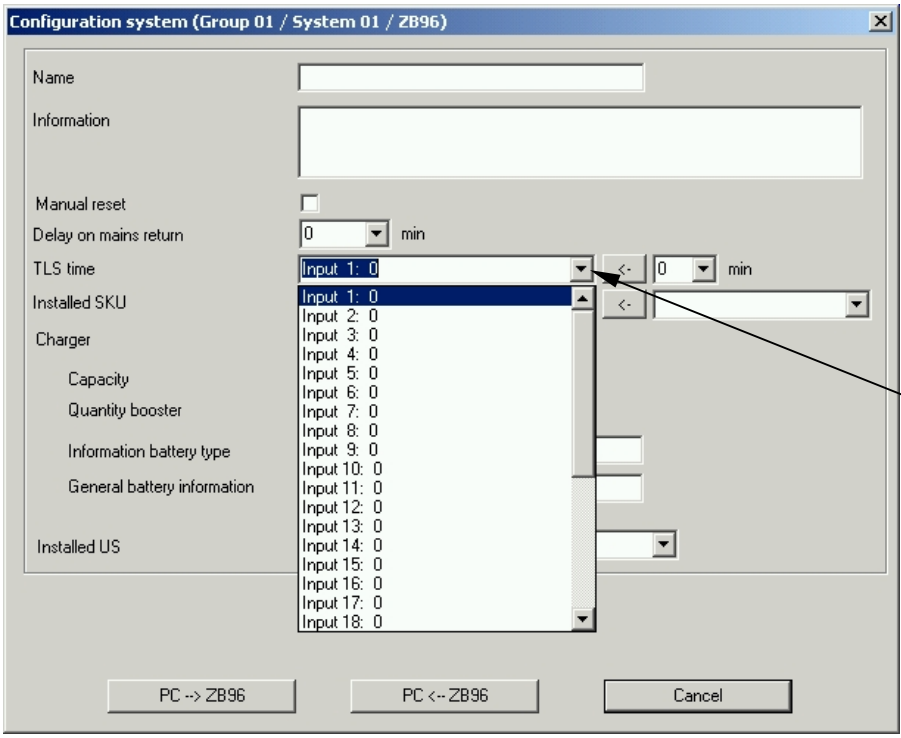


With the button „PC → ZB96“ it is possible to sent all changed copnfigurations to the device.
With the button „PC ← ZB96“ it is possible to download all current configurations (control unit) from the device.

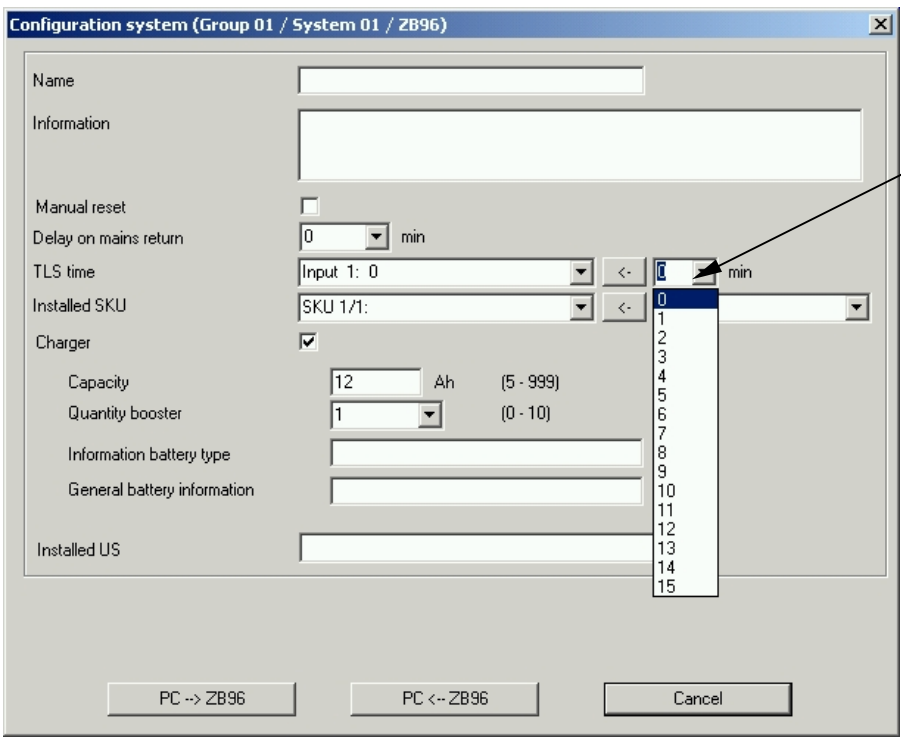
j. „Configuration system“ (Device)
b). Manual reset and delay on mains return



j. „Configuration system“ (device)
c). TLS-settings



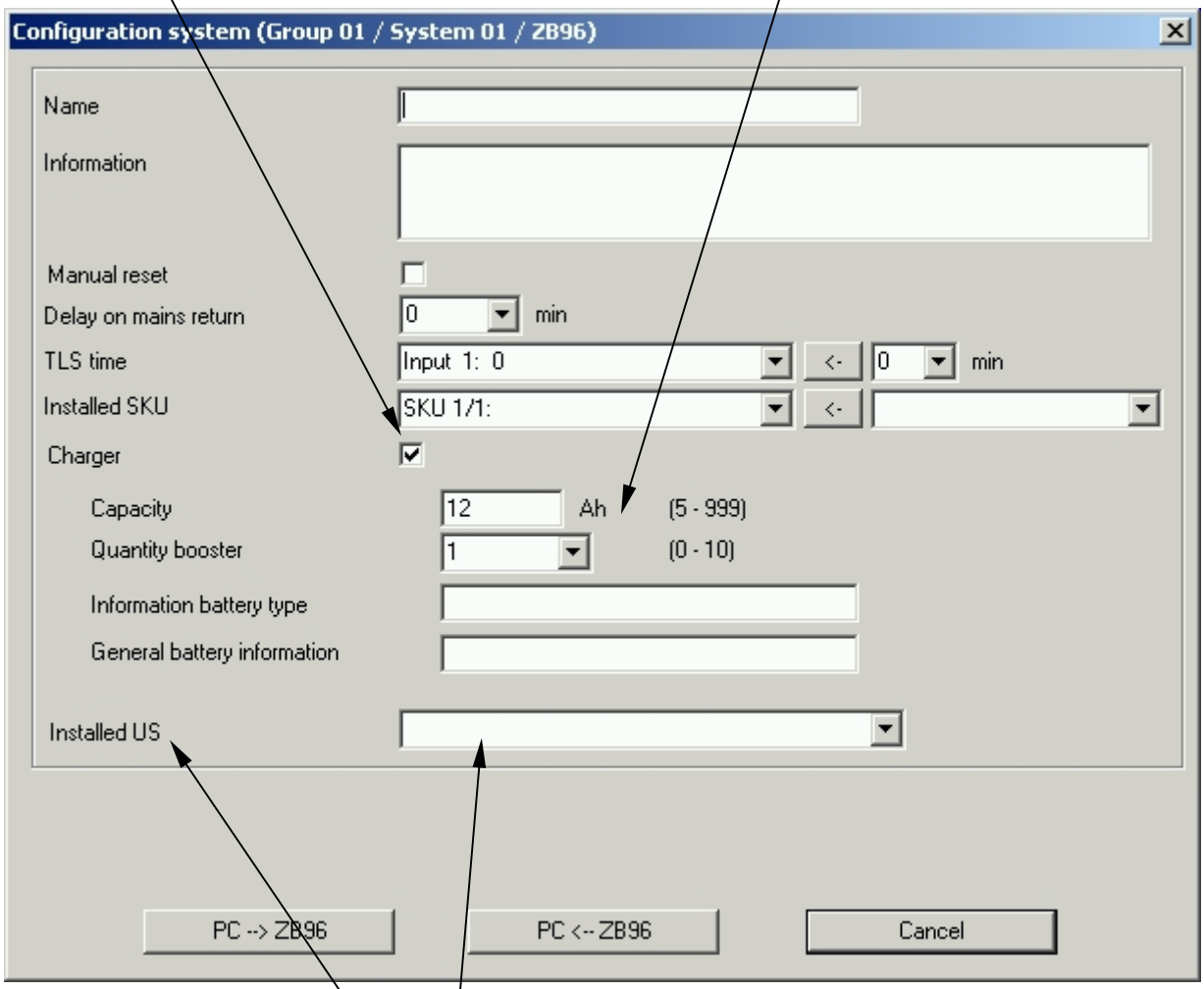
In case of installed TLS-modules (max. 4pcs.), it is possible to select via the drop down menu, TLS inputs 1 to 32.



After selection of a TLS-input, it is possible via the menu „min.“, to select the TLS-time in minutes (1 to 15). With the button <--, the time will be confirmed to the TLS-input.

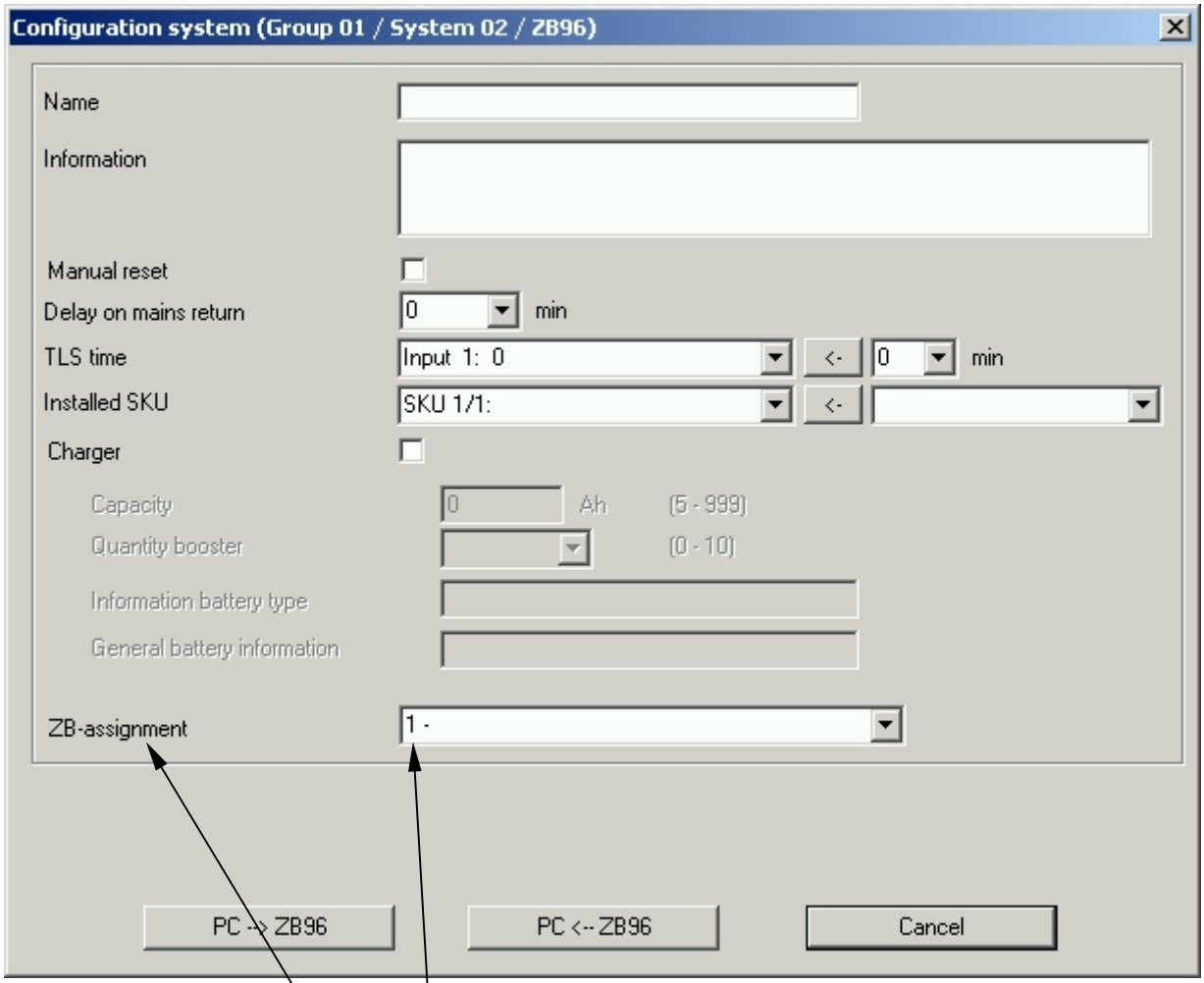
j. „Configuration system“ (device)
d). Further settings

If a charger is present, the battery capacity, no. of charging booster and further informations (e.g. date) of the battery can be chosen.



If substations are connect to a ZB96 with a battery and charging technic, for a duration test together it is necessary to assign the substation to the ZB96. The assignment is to set in the configuration of the substation.(see next page).
The assignment of the substation can be displayed in the field „installed US“ (see above).

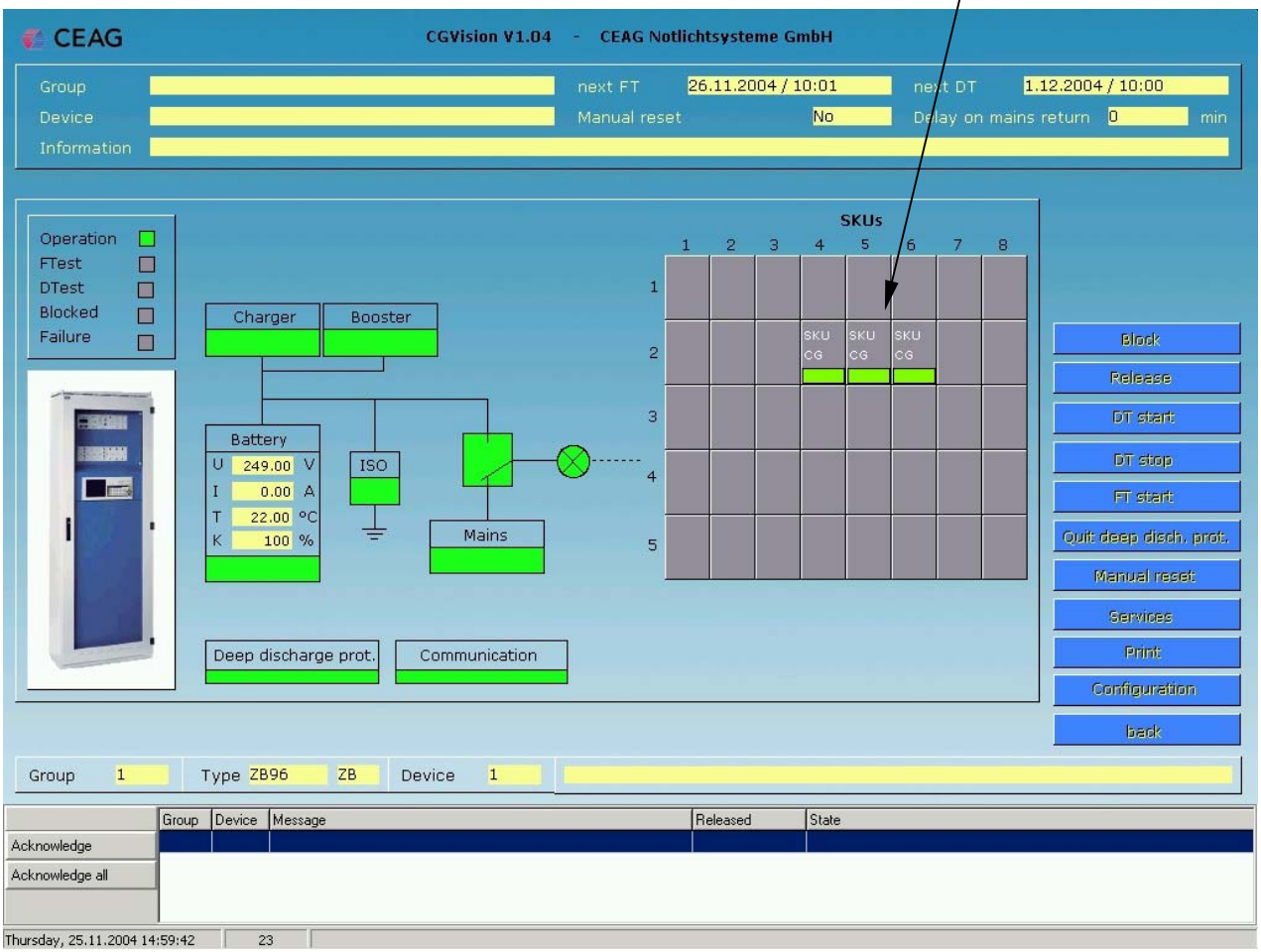
j. „Configuration system“ (device)
e) Assignment of a substation to a ZB96/Euro ZB.1



If a substation is configured (no charger is installed), so it is necessary to assign the substation to a ZB96 for a duration test together. This can be selected with the drop down menu „ZB-assignment“

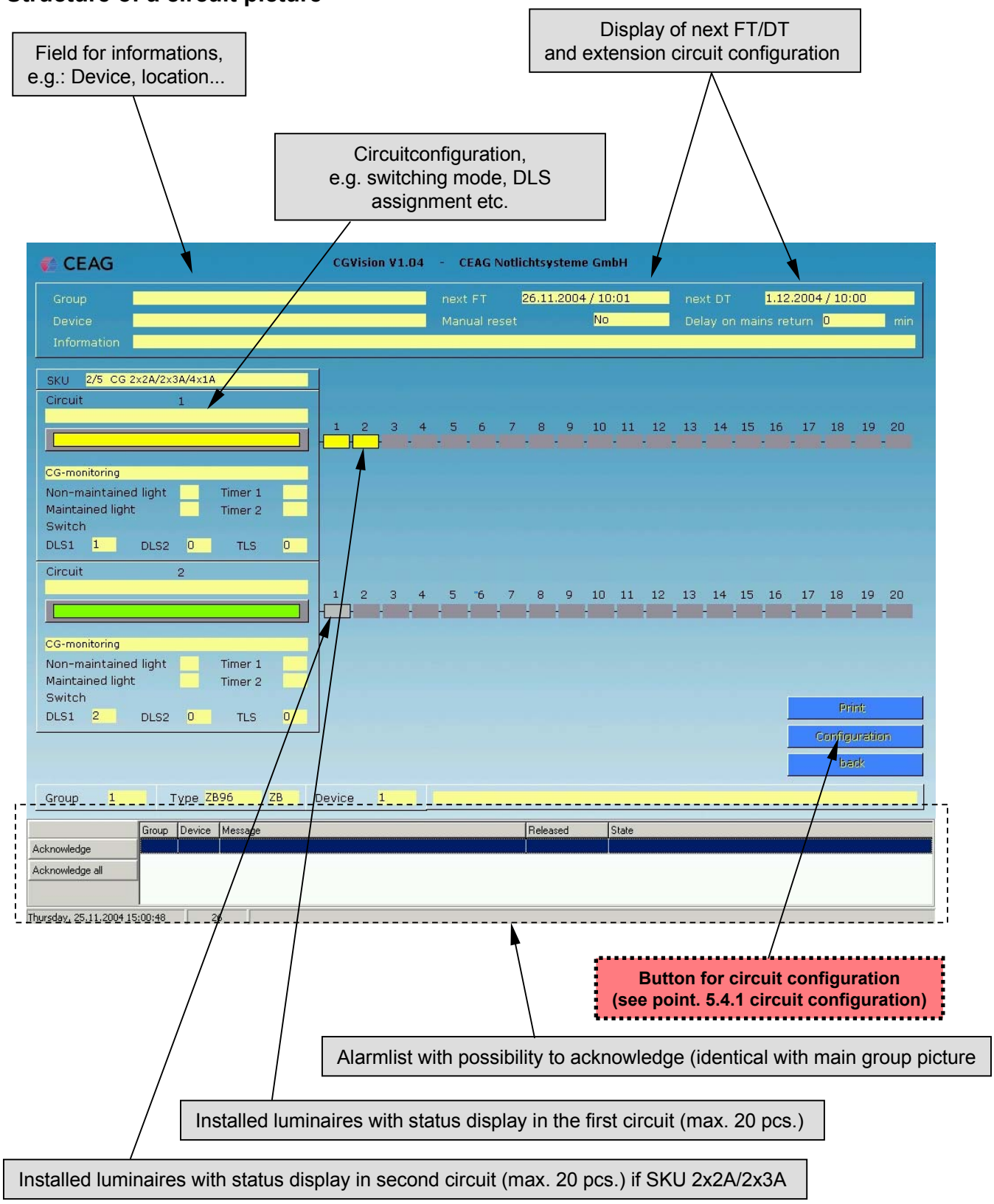
5.4 „SKU picture“

Installed SKU´s are displayed with coloured buttons. A click on a button, will change to the SKU-level

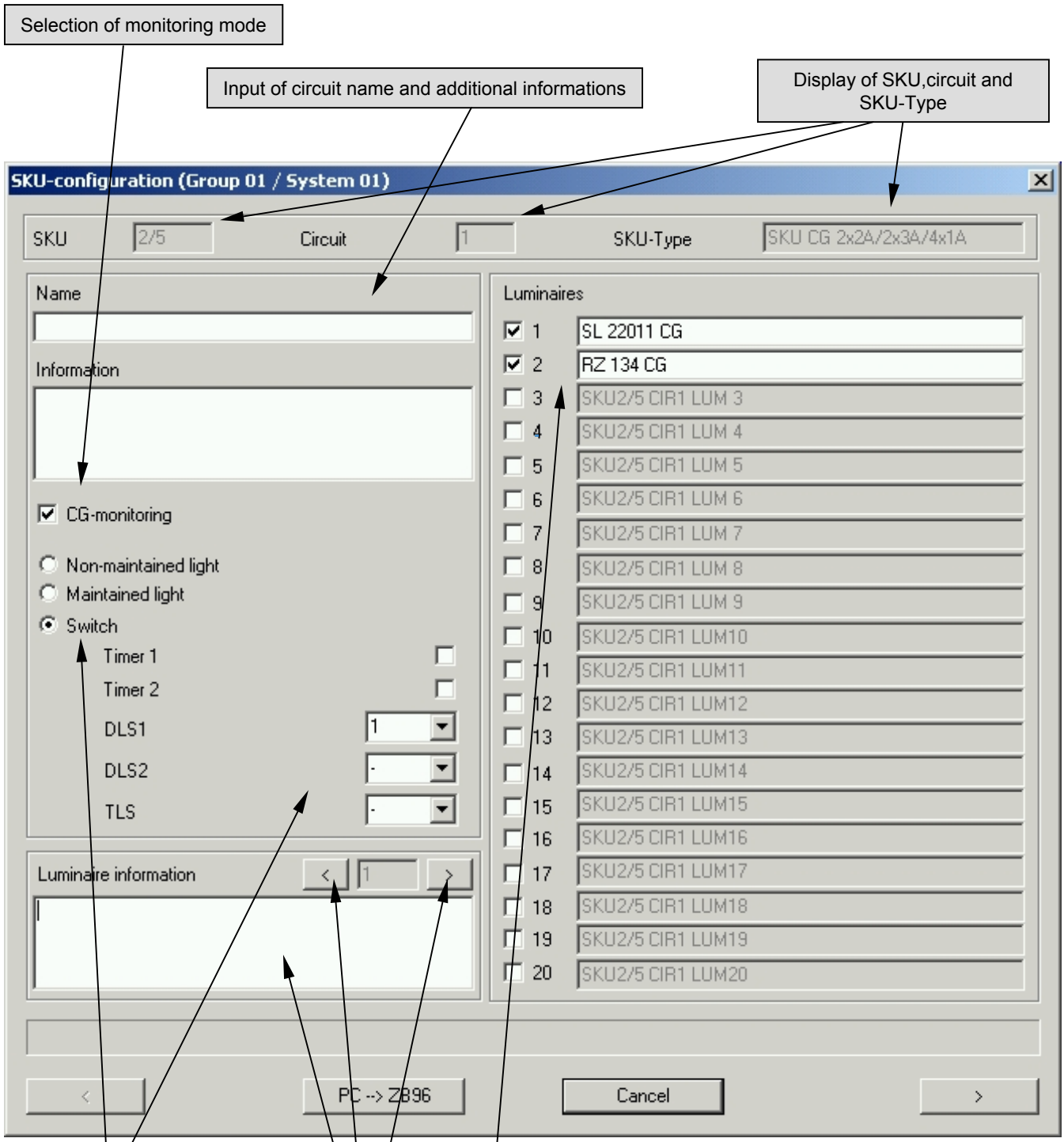


5.4 „SKU picture“

Structure of a circuit picture

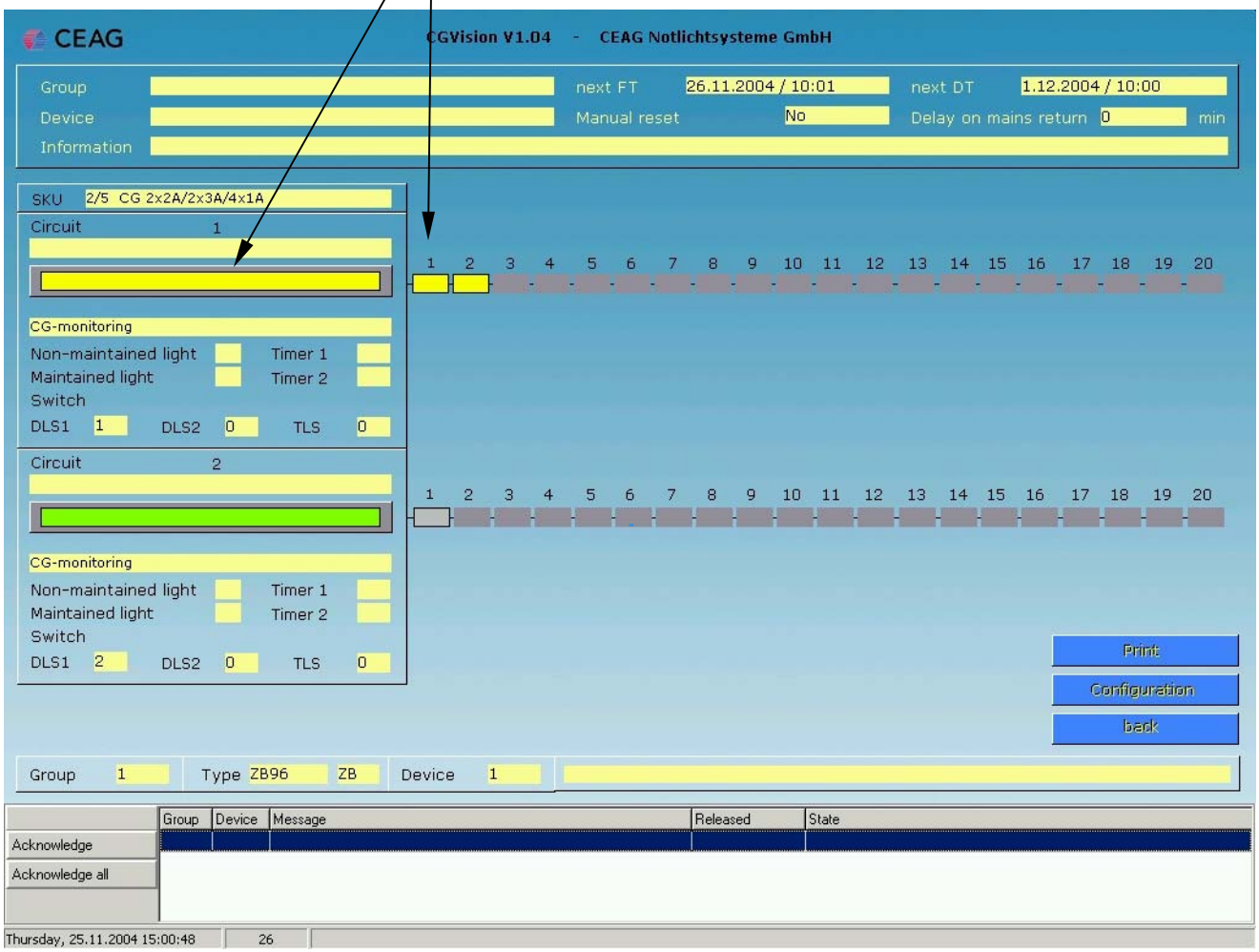


5.4.1 Circuit configuration



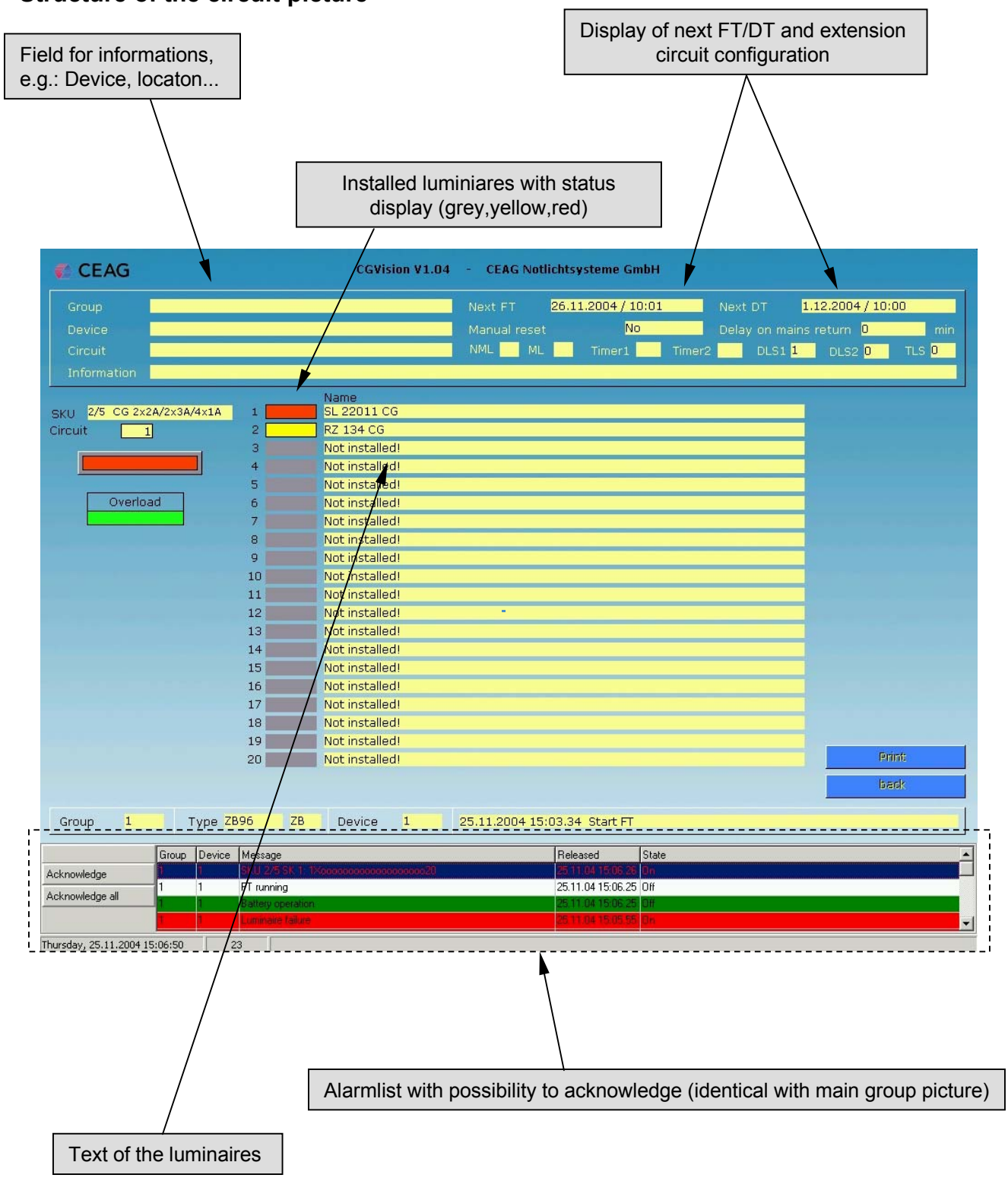
5.5 „Circuit picture“

After the circuit configuration, it is possible to change to the circuit picture with detailed text informations, with a click on the button of the circuit or the luminiare.



5.5 „Circuit picture“

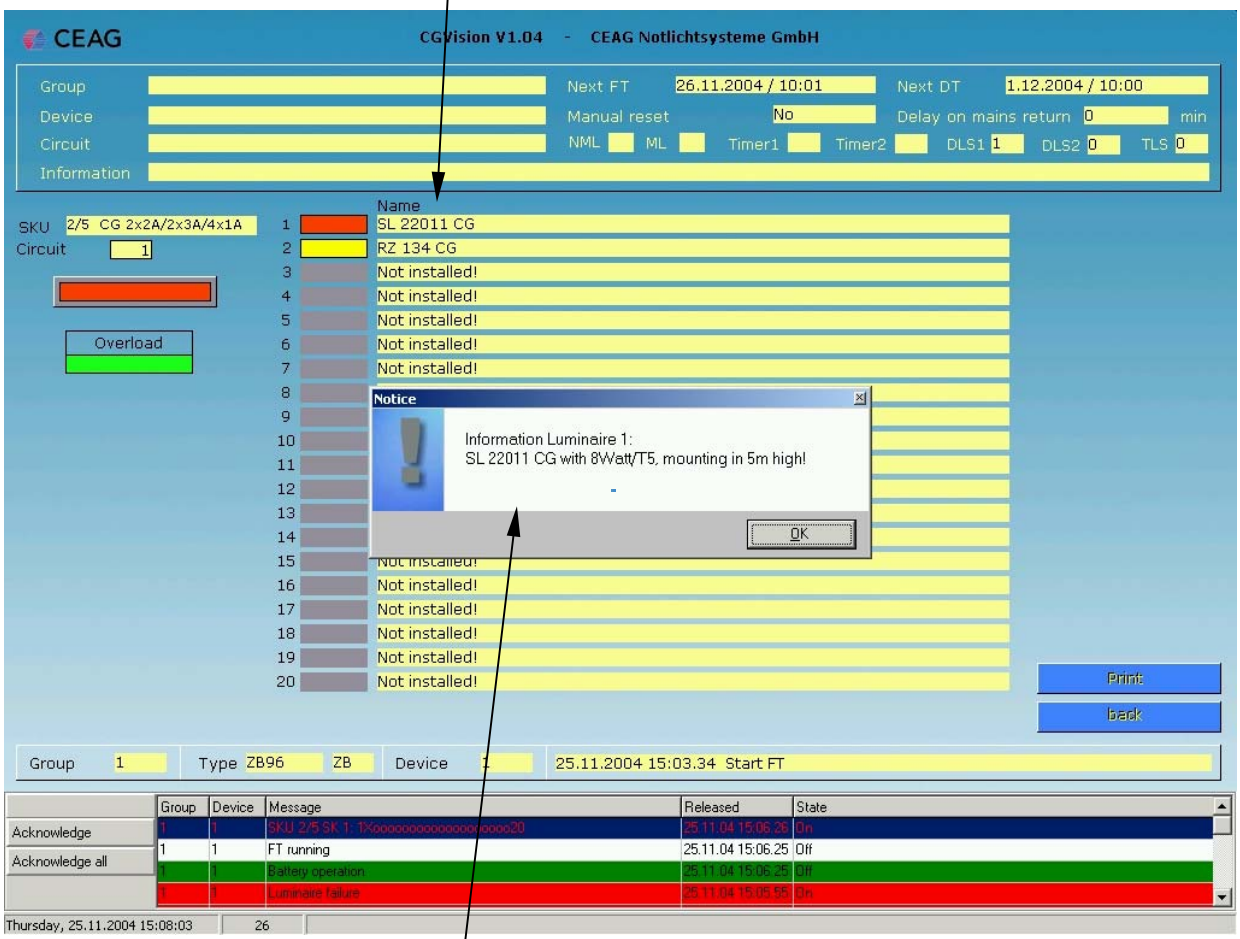
Structure of the circuit picture



5.5 „Circuit picture“

Extension luminiare text informations

With click on the luminaire text, it is possible to get more text informations of the luminaire, which are inserted in the menu „information luminaire“ in 5.3.1 circuit configuration.

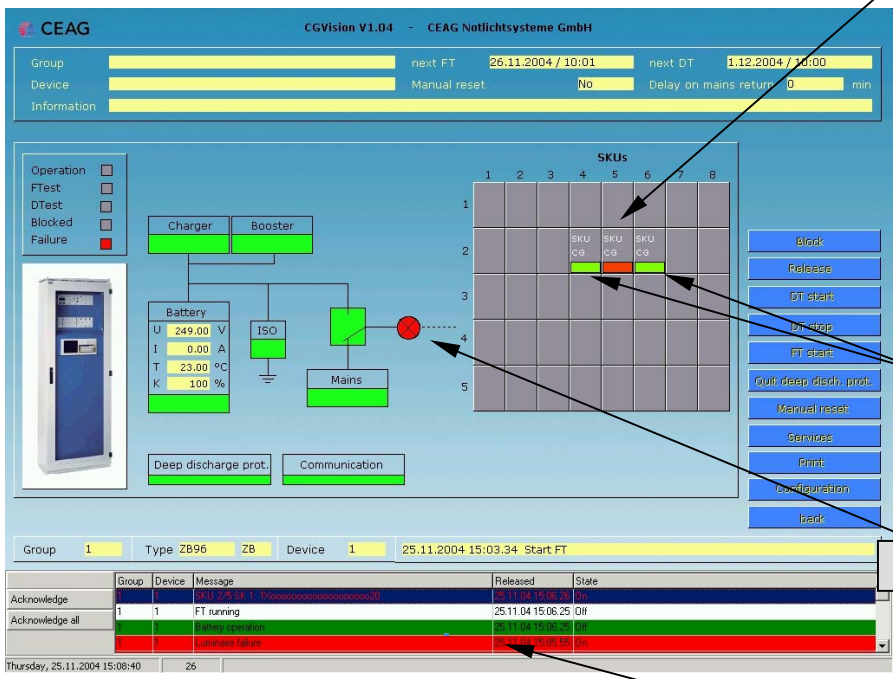


Advanced luminaire texts,e.g. note of a mounting high

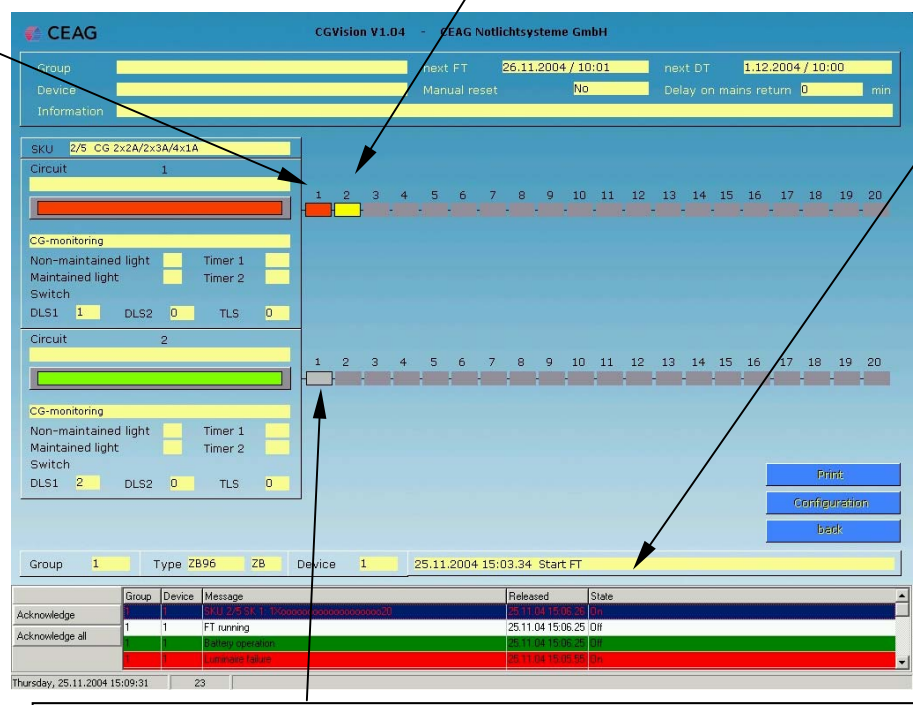
5.6 General display options

The status of devices respective components are shown coloured in all pictures.
- „Green“ is „OK“
- „Red“ is „Failure“ in the referred section.
- „Yellow“ is for „switched on“, e.g.: circuit is switched on.
- „Grey“ is for „switched off“,e.g. Luminiare is switched off „non-maintained mode“

Examples:



Circuit No.1: in maintained mode - Lum. is displayed yellow

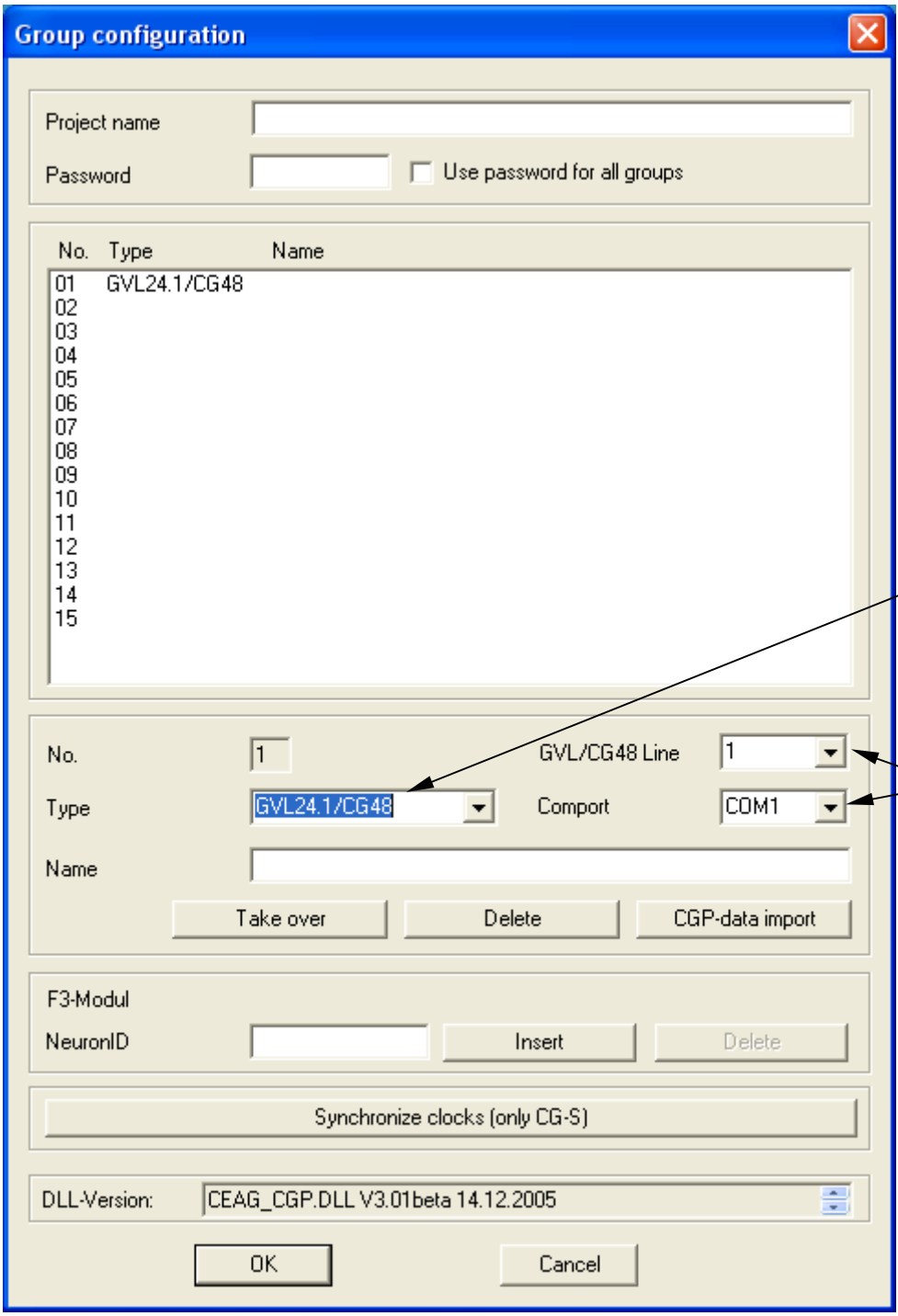


Circuit No.2: O.K. and in non maintained mode - Luminaires are displayed in grey

6 Device family GVL 24.1

6.1 Configuration of a GVL24.1 / CG48 EGA-line

Notice: It is possible to use GVL 24.1 and CG48 group battery systems in the same EGA-line. The selection of the devices allows „GVL24.1/CG48“ or „CG48/GVL24.1“. The first device type will appear as text in the group button in the main group menu.

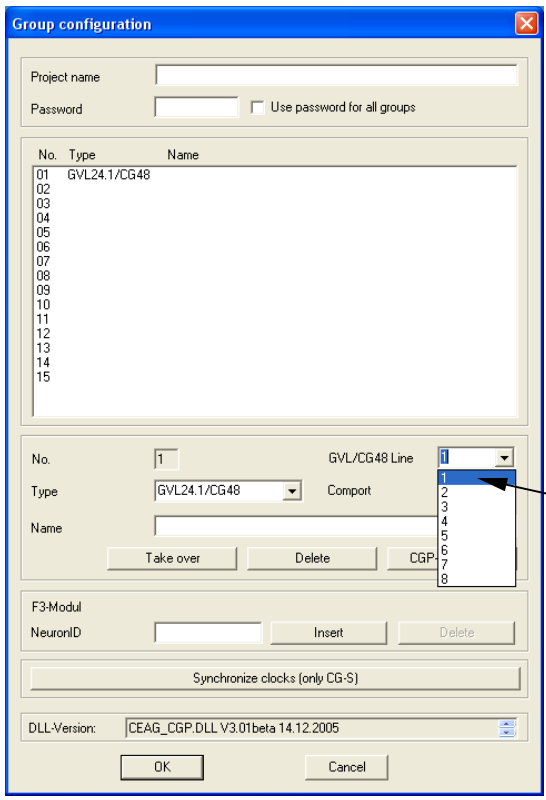


The assignment of a GVL24.1/CG48 group to an EGA-line must be noticed ! It is possible to connect up to 8 EGA-data lines, with each 32 devices on the CGVision. The connection occurs via the seriell interface (COM-Ports) on the PC. For each EGA-line, one COM-Port is required.

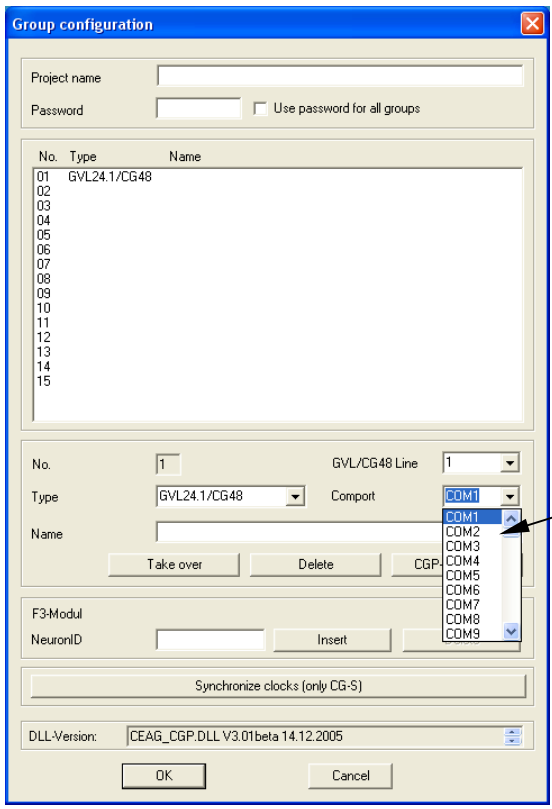
Selection of the device family:
Selection of the device family can be selected in the drop down menu „Type“.
1. GVL 24.1/CG48 or
2. CG48/GVL 24.1

The assignment of a EGA-line to a COM-Port can be selected via the drop down menu „GVL/CG48-Line“ and „Comport“.

6.1 Configuration of a GVL 24.1 / CG48 EGA-line



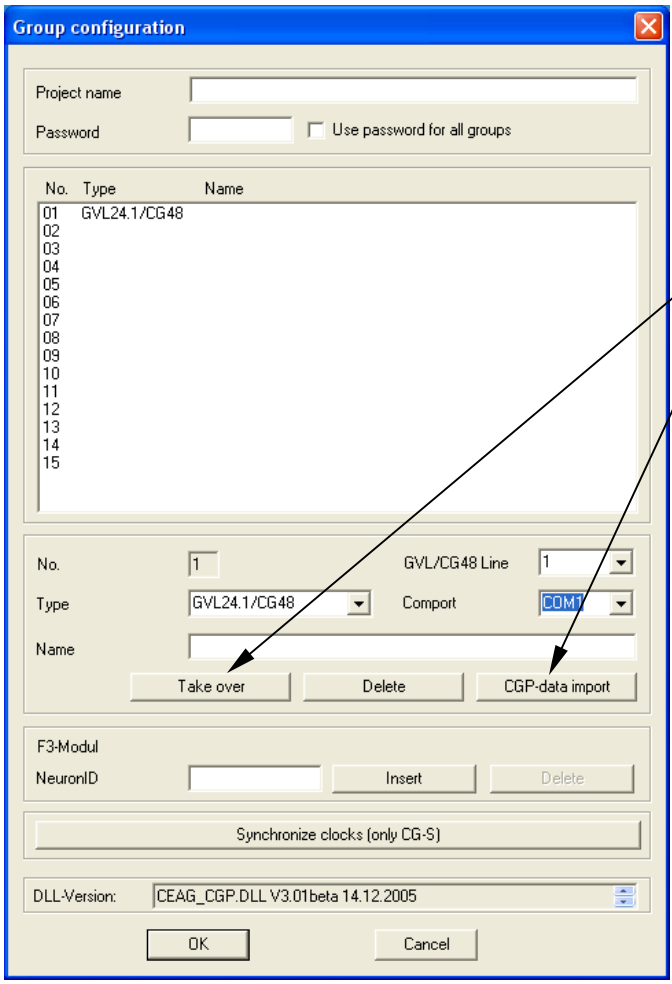
Selection of the EGA-line:
In the drop down menu „GVL/CG48 Line“ can be selected the data line 1 to 8.



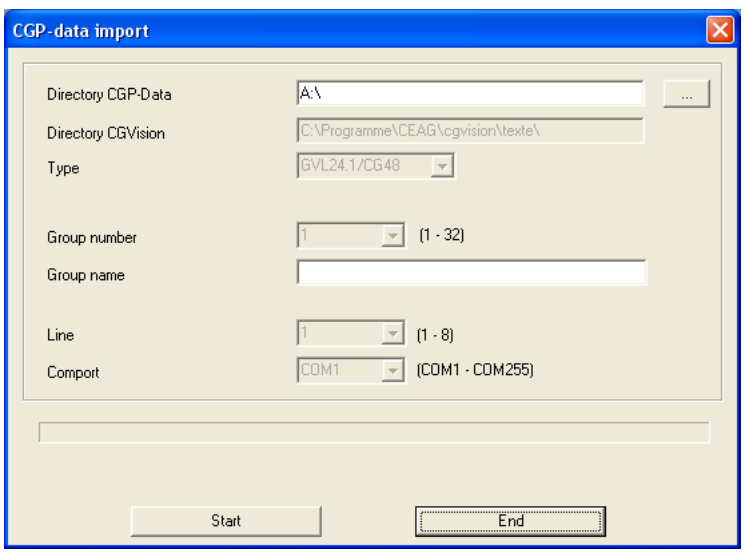
Assignment to the COM-Ports:
After selection of the EGA-line, it is possible to assign the EGA-line to a COM-port with the drop down menu (COM1 to COM255).

6.2 CGP-Dataimport – GVL24.1 / CG48

In the case of a replacement of an old CGP, it is possible to import the CGP-configuration files of the CGP into the CGVision. A CGP-data import is only possble for „empty“ device groups !



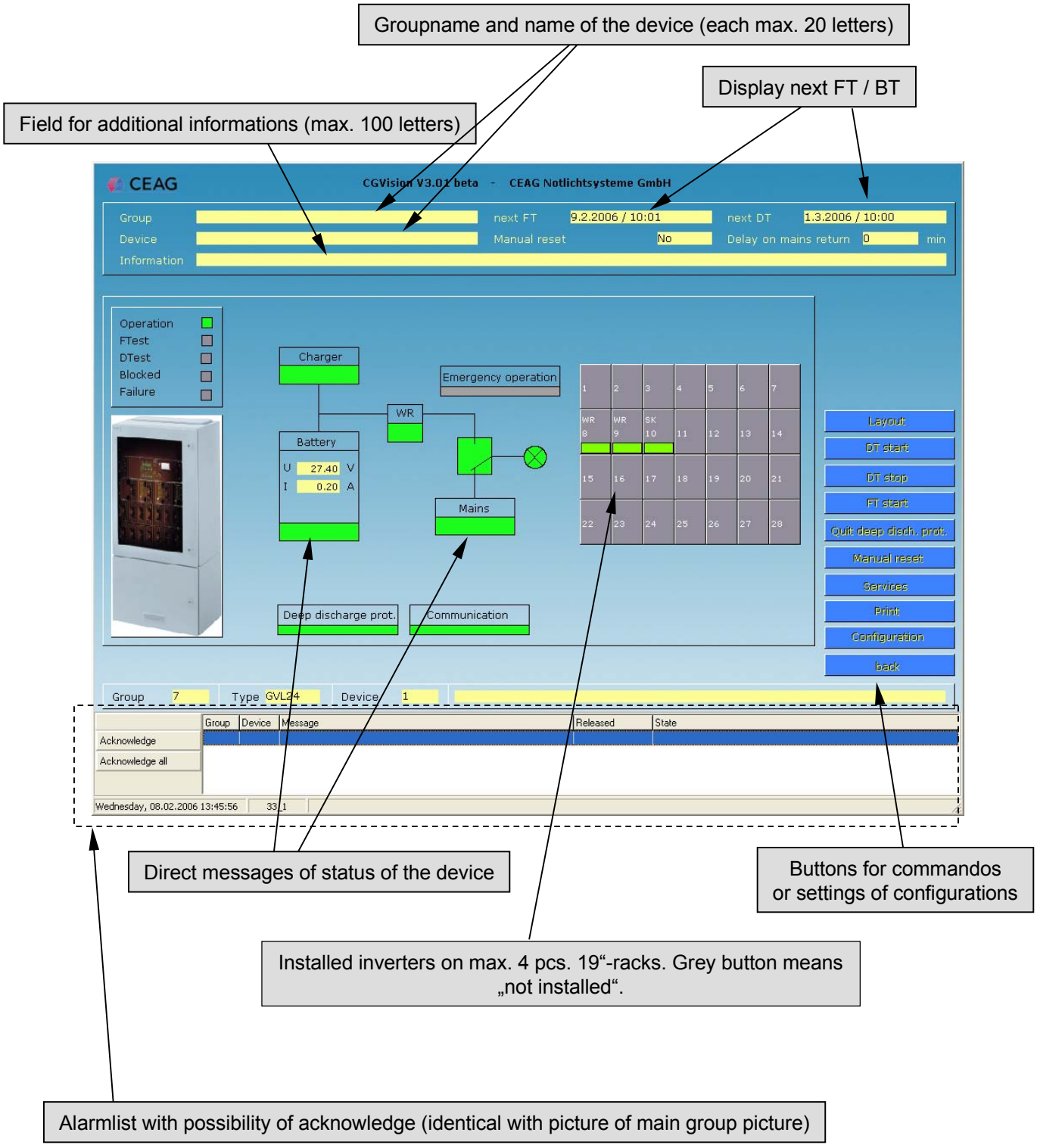
Before a CGP-data import can start, it is necessary to select the line and the COM-Port for the device group first. After confirm with take over, the CGP-data import can start.



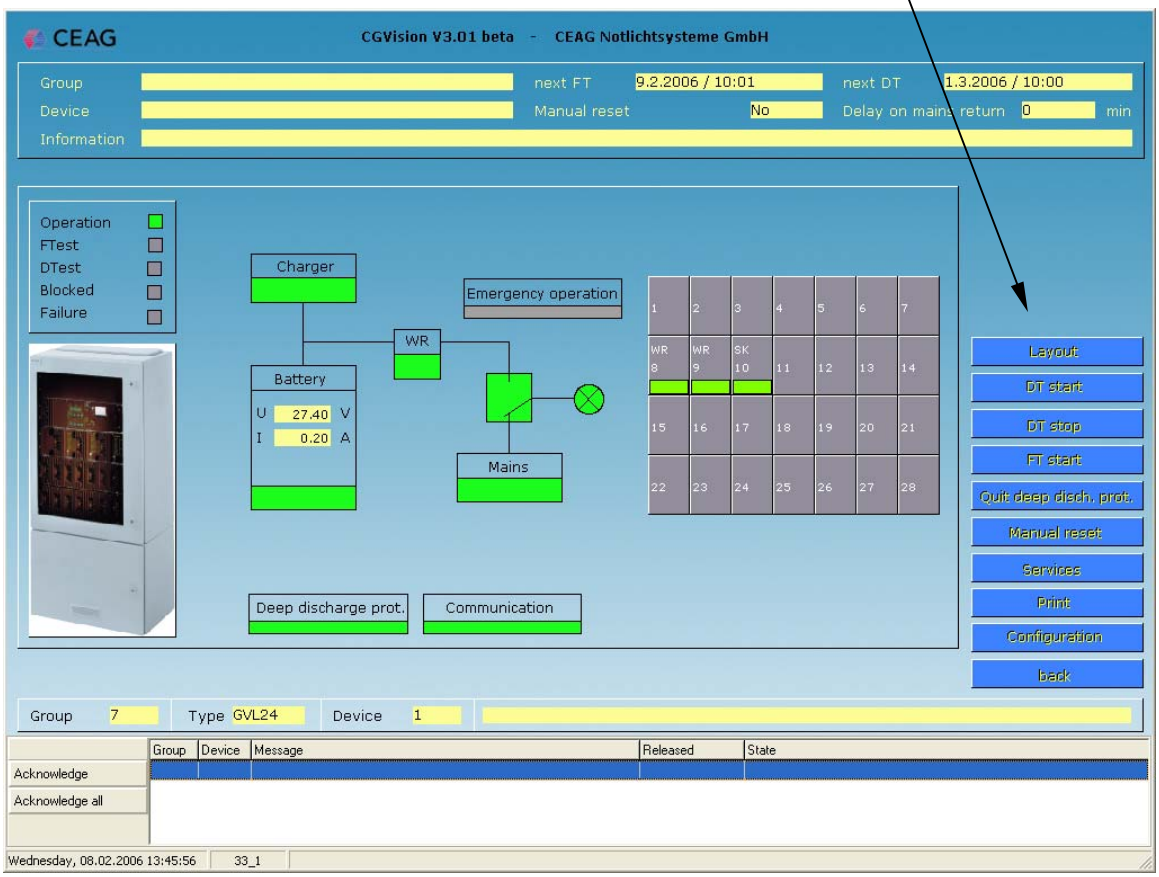
In the next window, the Directory of the CGP-datas must select. Typical directory for a CGP was the floppy drive a:\. It is possible to select other drives. With the button „Start“, the CGP data import will start. Please follow the next dialogs.

6.3 „Device picture – GVL24.1“

Structure of the device picture:



Functions of buttons for commando-or settings of configuration



a). „Layout“
Link to the first building layout of the device group (Licence is necessary !)

b). „DT start“
Duration Test for the device can be started

c). „DT stop“
Duration Test for the device will be stopped

d). „FT start“
Function Test for the device can be start

e).“Quit deep discharge protection“
Acknowledge a deep discharge protection

f).“Manual reset “
Reset for the device, if it is waiting for a manual reset.

g). „Services“
Different services for the logbook and for configuration

h).“Print“
A screenshot will be printed

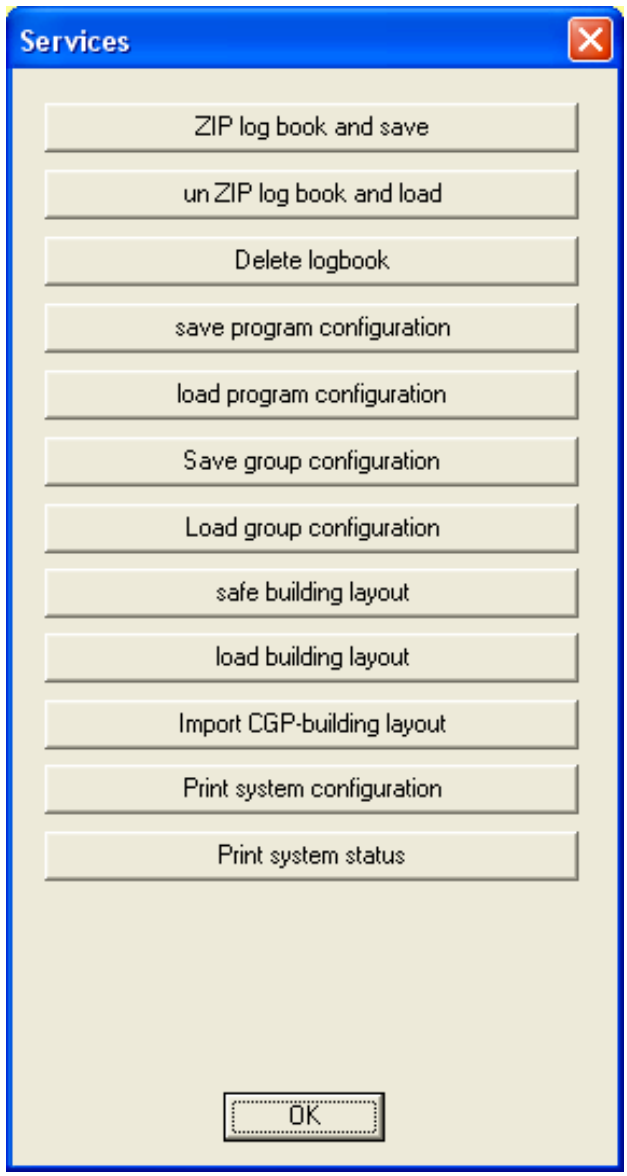
i). „Configuration“
Settings of configuration for all datas in the device picture

j). „Back“
Back to the device group picture

a). Link to the first Building layout of the device
(licence with dongle is necessary,, see chapter „Building layout programming“

b). - f). Above described commandos (point b-f) are directly executable with a click on the button

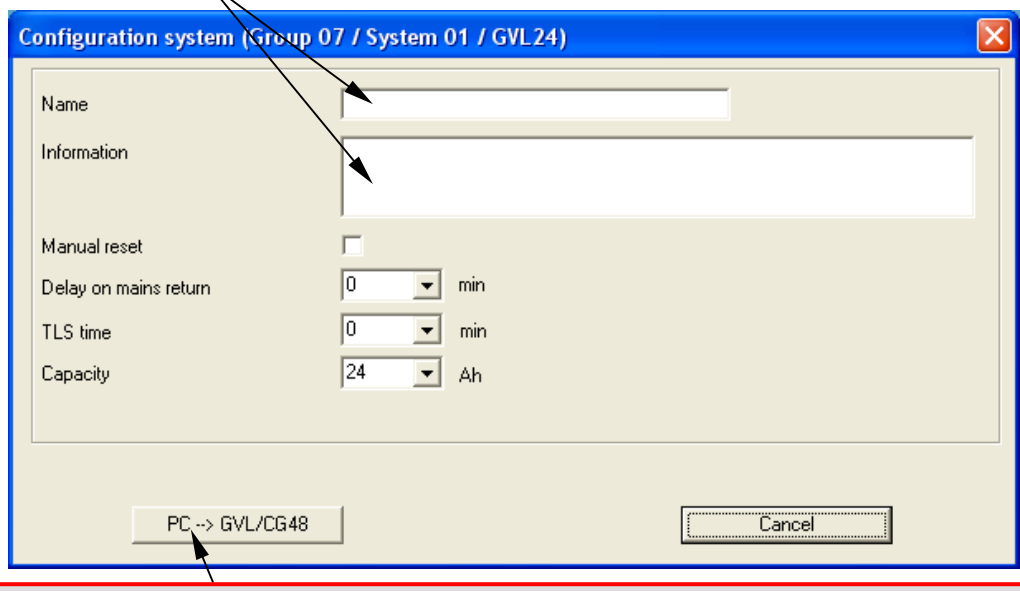
g). „Services“
Different services for the logbook and for configuration



The menu „Services“ is identical with the menu „Services“ in the device group picture, with the difference that the printing of the status is only for the individuell device.
A description for saving/loading of program configurations / group configuartions, you will find in chapter 2.2 „device group picture“ in j) „services“.

h. „Configuration Device“
a). General

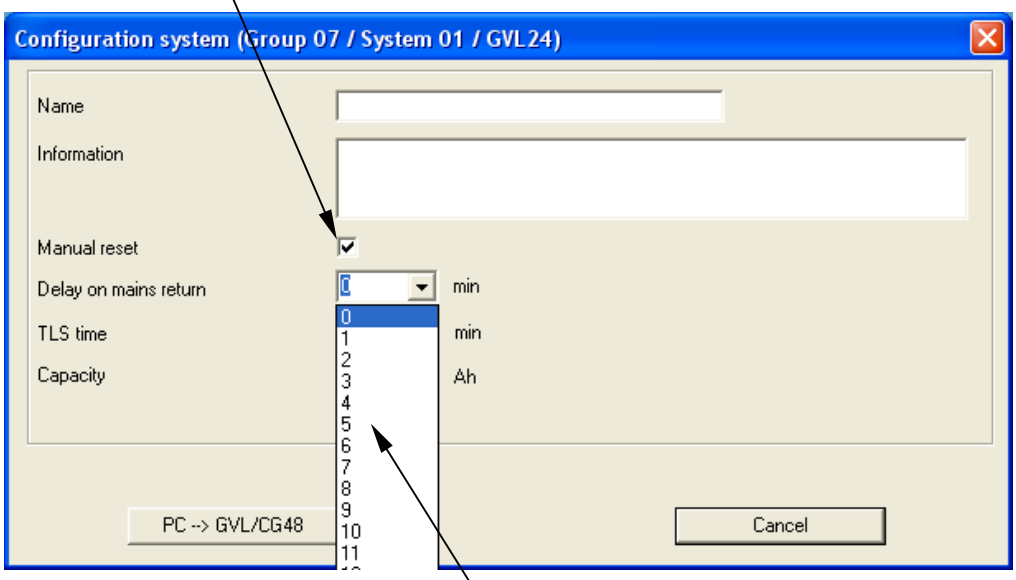
Input of the device name (max. 20 letters) and additional informations (max. 100 letters)



With the button „PC → GVL/CG48“, only the configuration will stored on the CGVision!
Due to technical restrictions, the configuration will not stored in the GVL system !

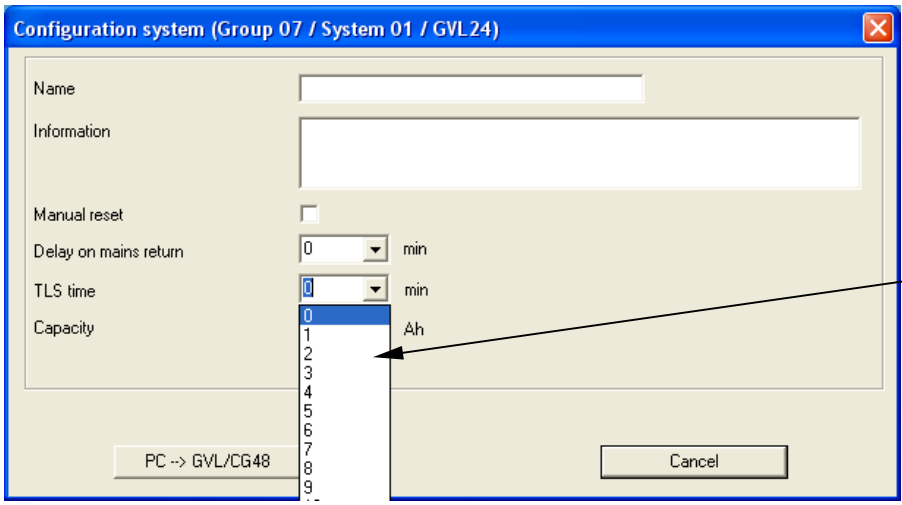
h. „Configuration Device“
b). Manual reset and Delay on mains return

Manual reset activate / deactivate

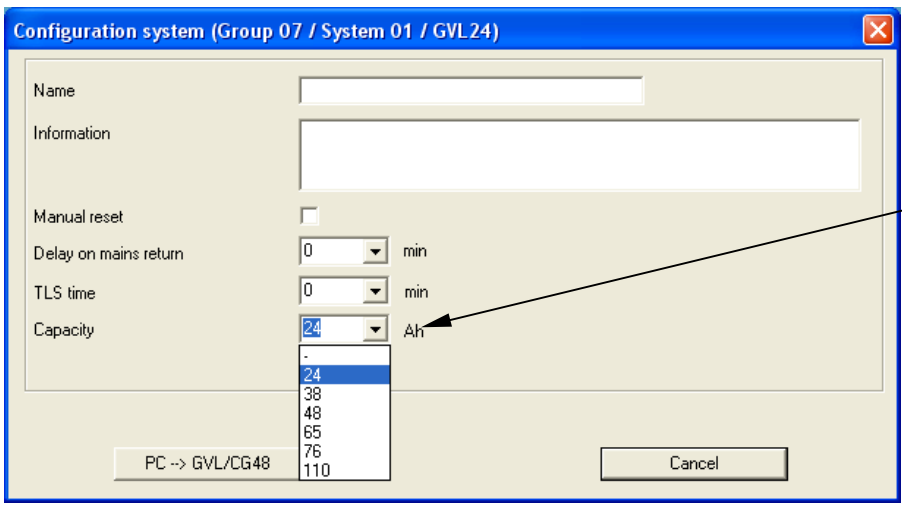


Drop-Down menu for input of the „delay on mains rewturn“ in 1 until 15 minutes

h. „ Configuration Device“
c). TLS-time and Battery capacity



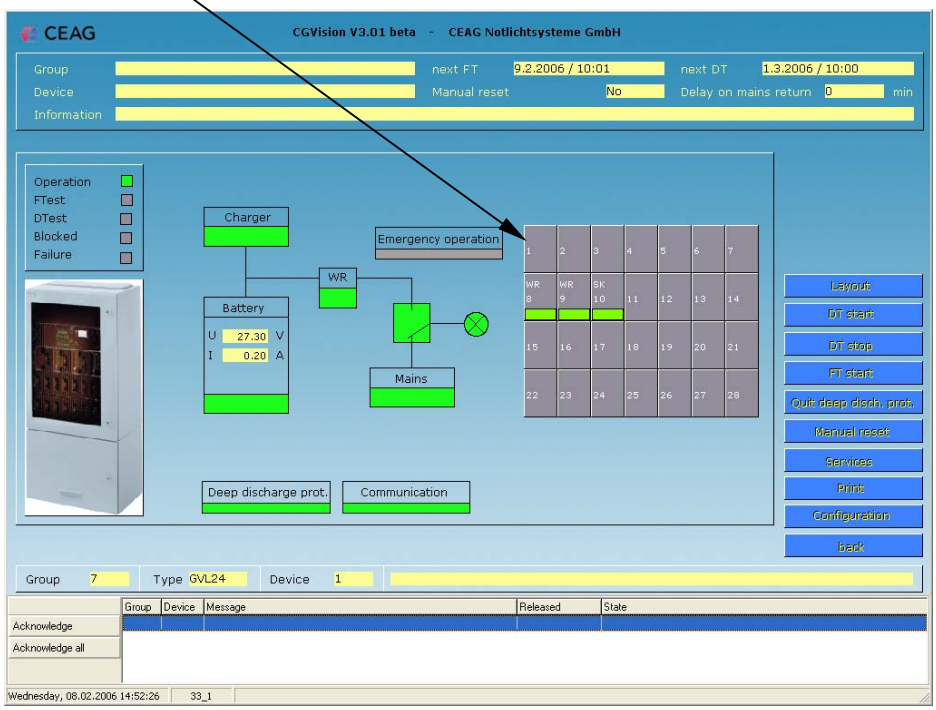
If a TLS-module is installed, it is possible to select via the drop down menu a „TLS-time“ from 1-15 min.



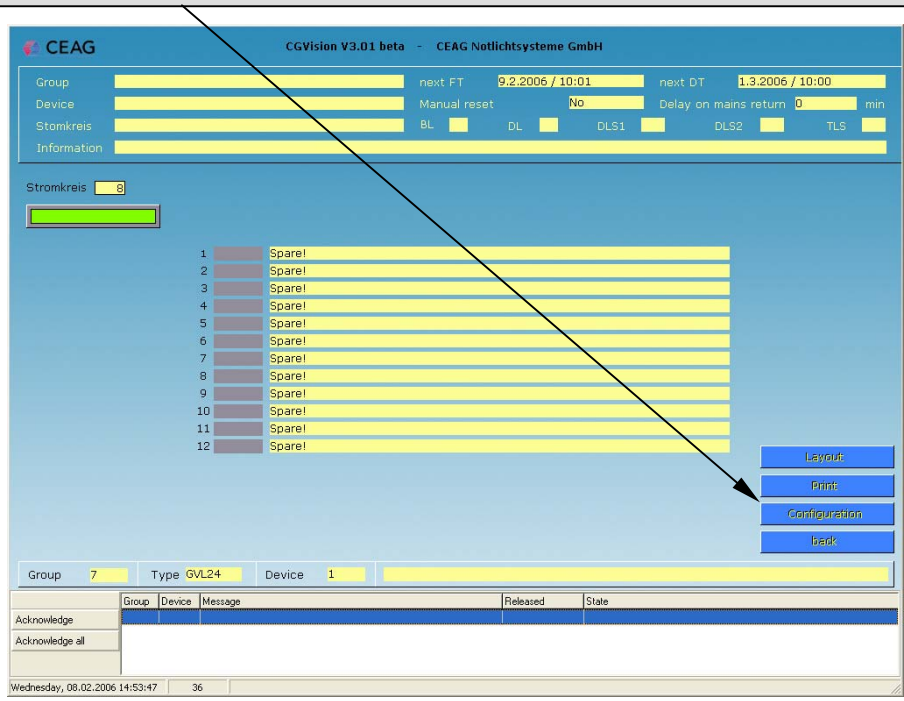
Via the menu „Capacity“, a battery from 24Ah to 110 Ah can be selected.

6.4 „Inverter Installation“

In the device installed inverter and CG12 monitoring modules, must be installed in the CGVision **manually !**
For installation of a inverter in the CGVision, the button of the desired must be selected.



The circuit picture appears. With the button „Configuration“, it is possible to install the inverter or the CG12-monitoring.

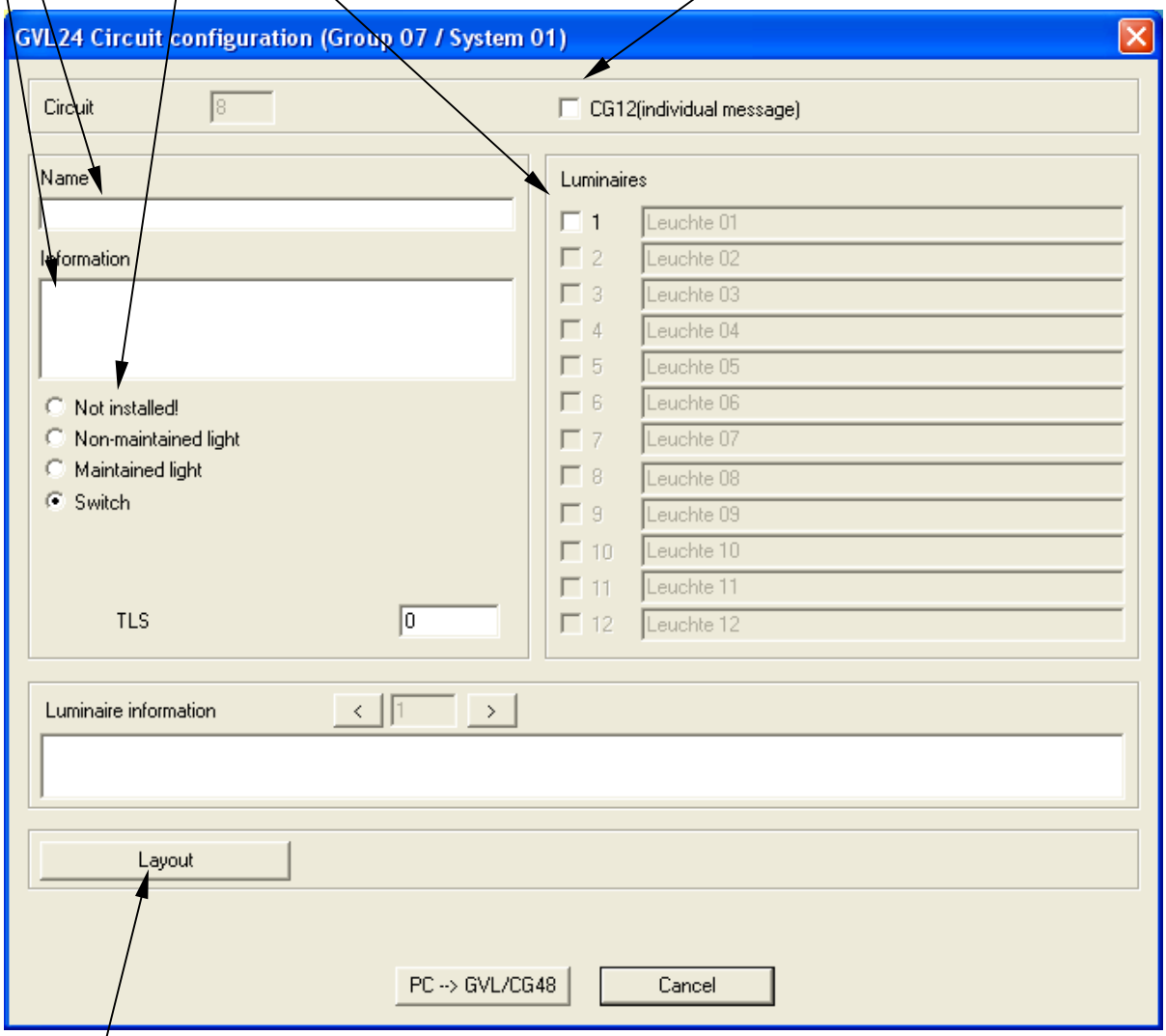


6.4 „Inverter Installation“

Input of the circuit name (max.20 letters) and additional informations (max. 100 letters)

For installation of an inverter, tha operation mode (maintained, non-maintained mode or switch maintained mode) must be selected. In use of only one luminaire, it is possible to activate the CG-function of the inverter.

For installation of a CG12-monitoring module, the CG12 (indivual message) must be activated. (For more informations, see next page)

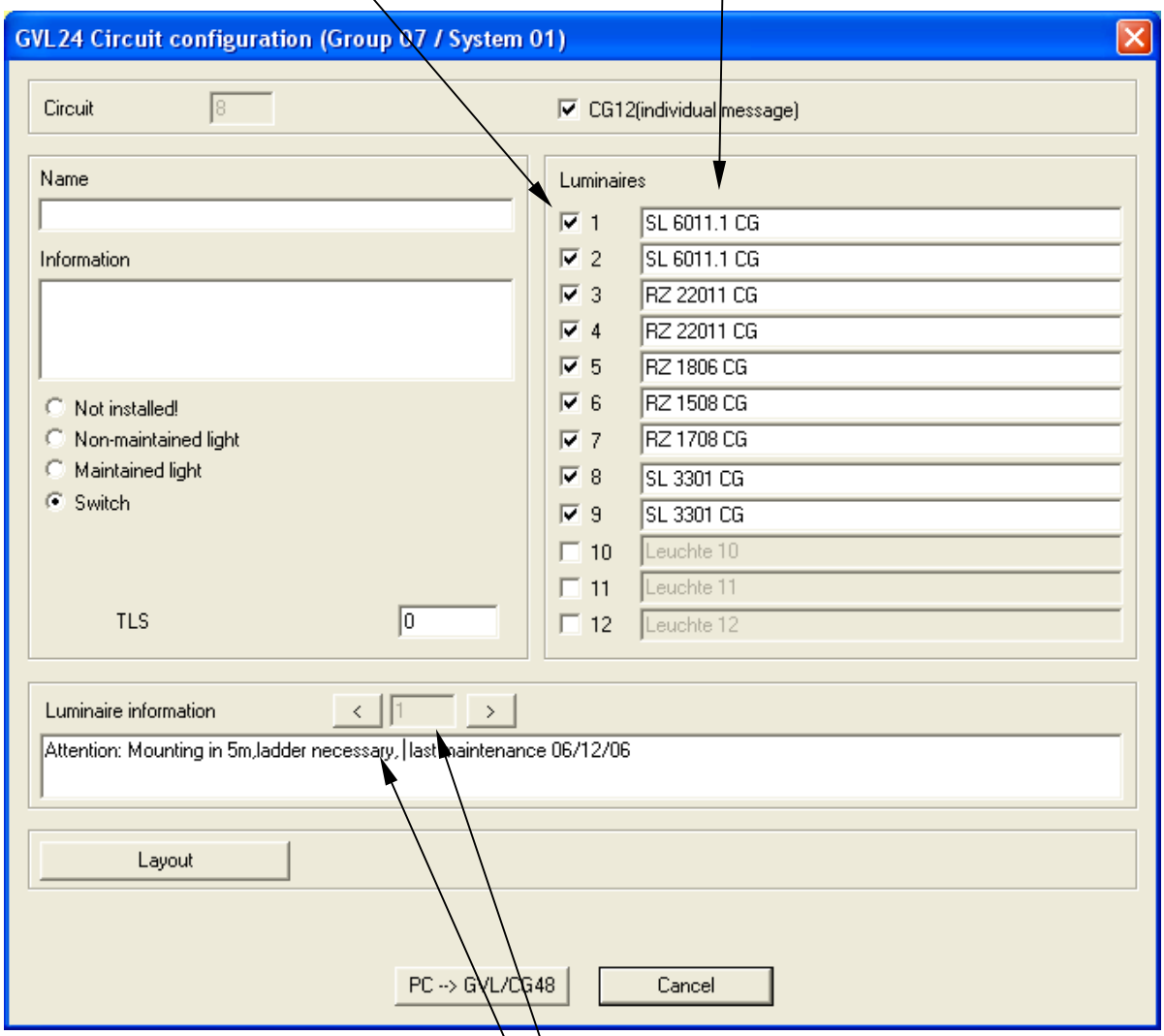


To the building layout programming of the circuit.
(Licence with dongle is necessary !)

6.4.1 CG12- Single monitoring for up to 12 luminaires

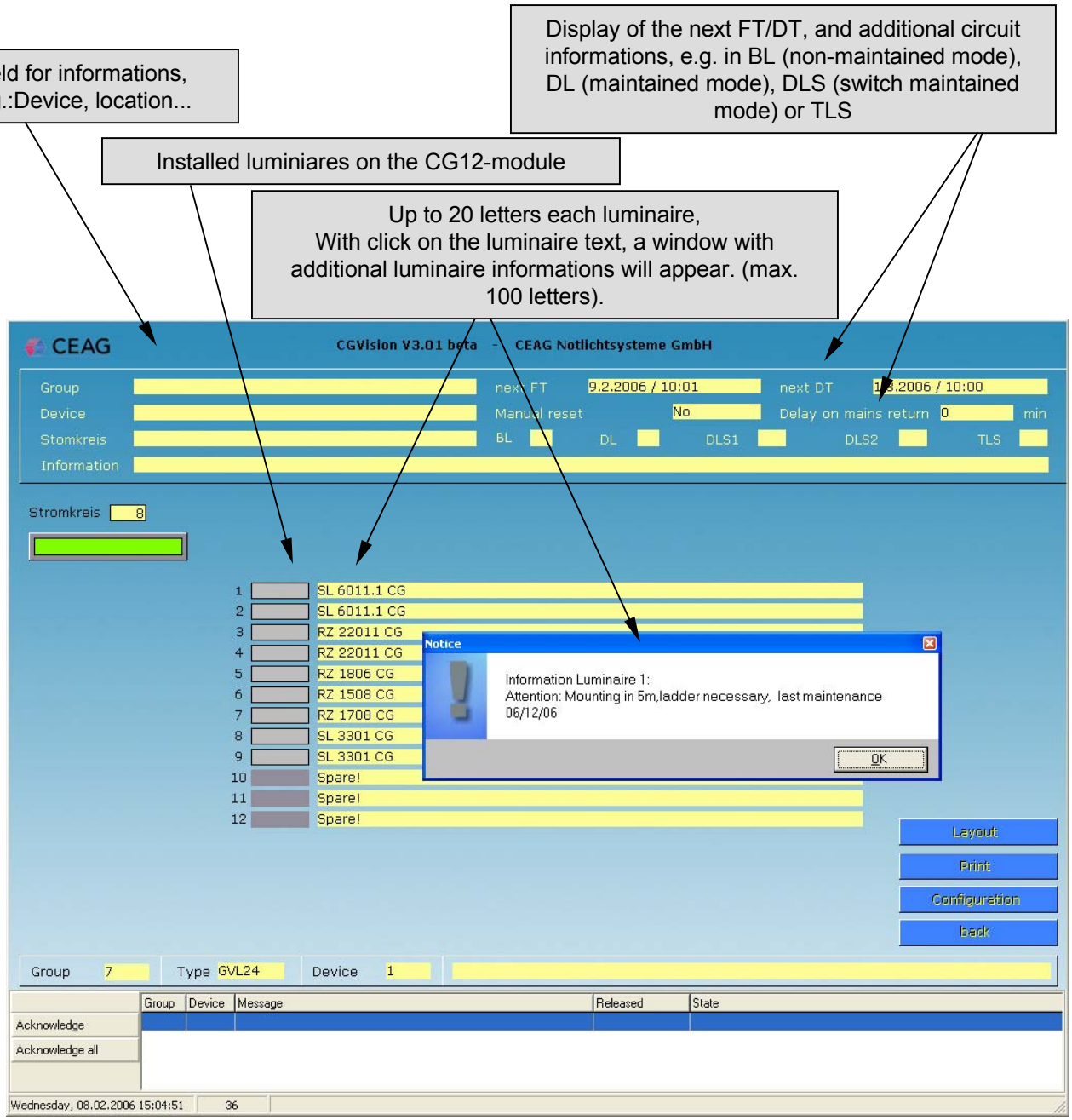
In case of active CG12 option (individual message), ist possible to install and assign up to 12 luminaires to the circuit.

Luminaire text for each installed luminaire with up to 20 letters.



Additional text for each installed luminaire with up to 100 letters. To select the luminaire, press „arrow left“ or „arrow right“.

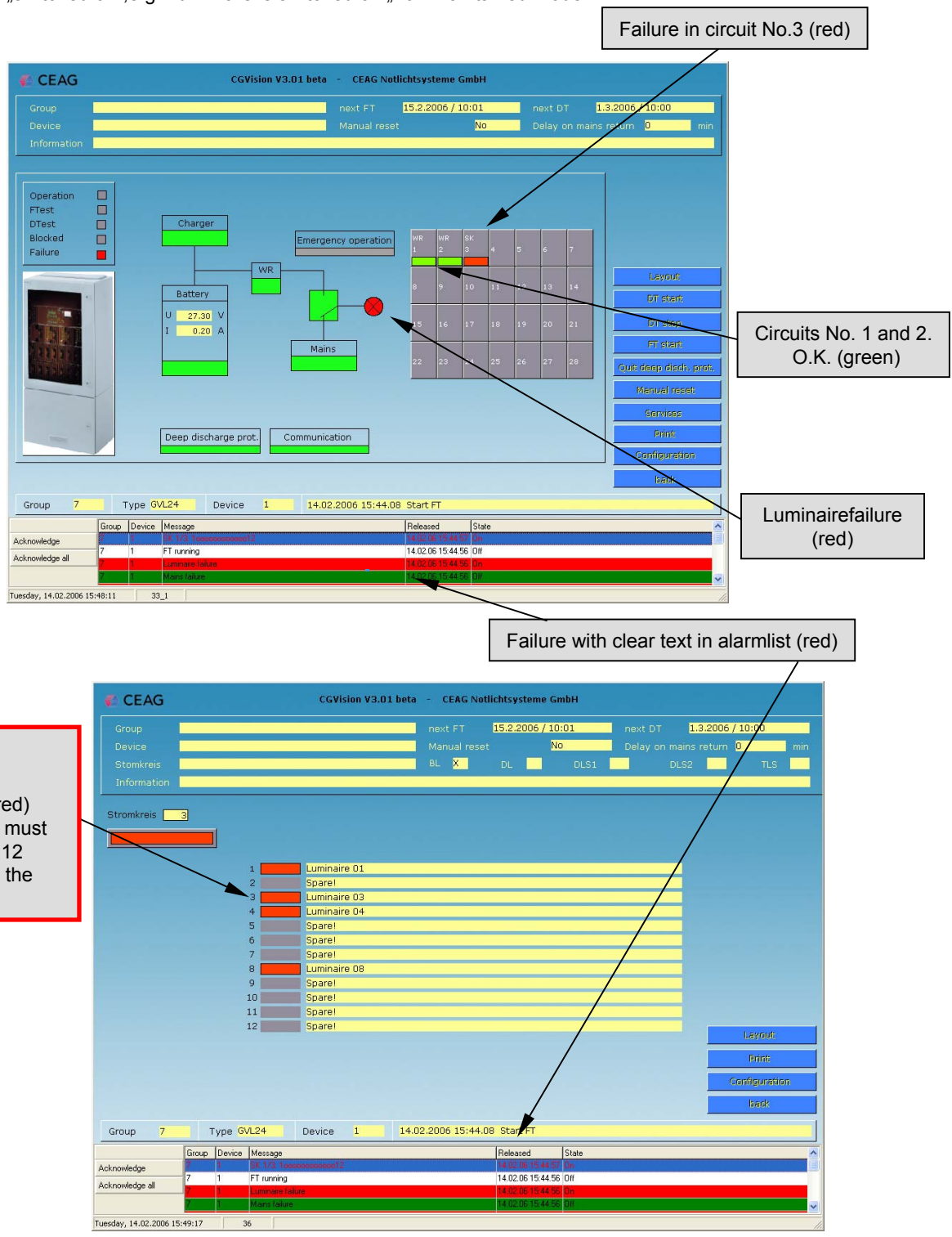
6.5 Circuit picture



6.6 General displayoptions

The status of devices respective components are shown coloured in all pictures.
- „Green“ is „OK“
- „Red“ is „Failure“ in the refered section.
- „Yellow“ is for „switched on“, e.g.: circuit is switched on.
- „Grey“ is for „switched off“,e.g. Luminiare is switched off „non-maintained mode“

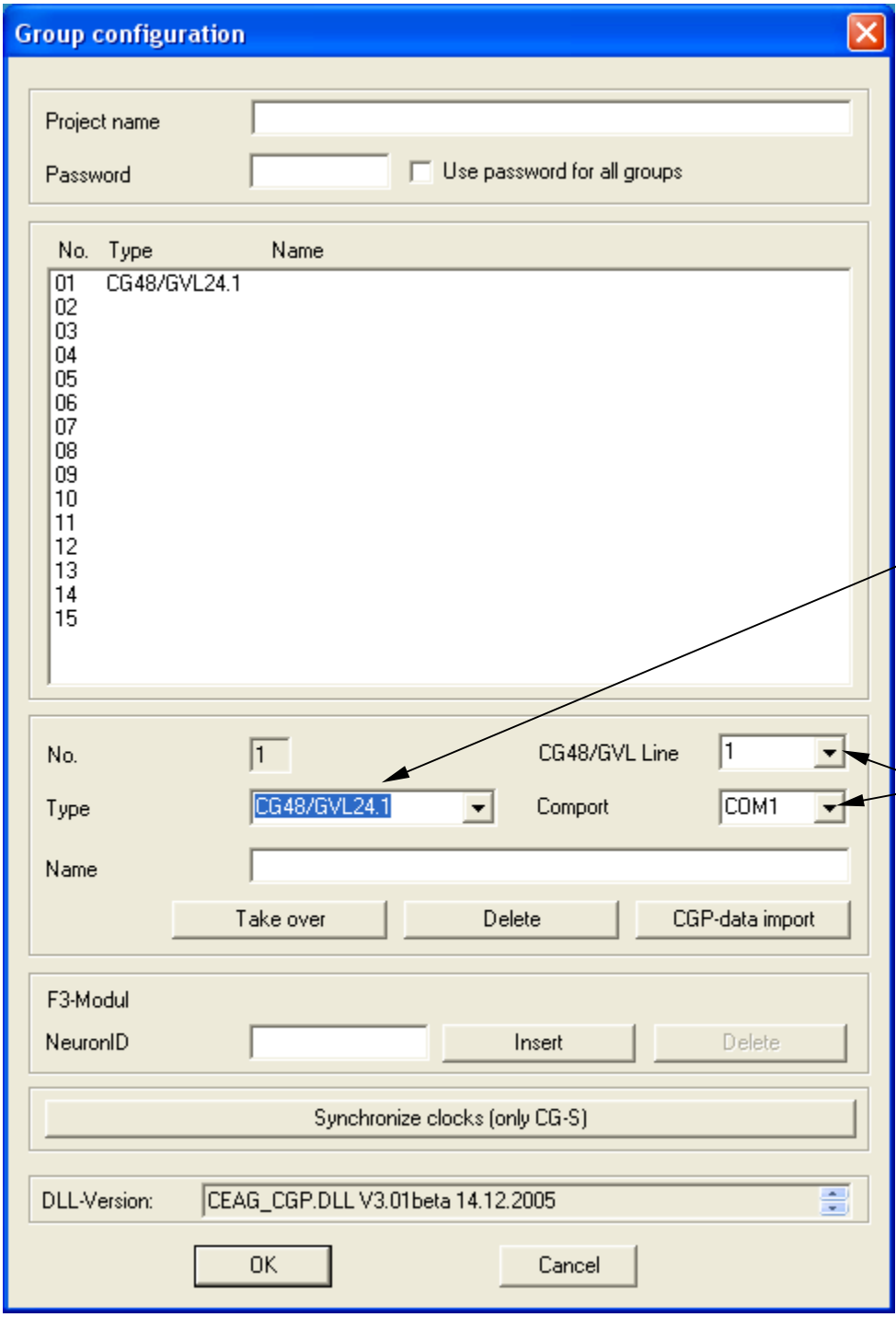
Examples:



7 Device family CG48

7.1 Configuration of a CG48 / GVL24.1 EGA-line

Notice: It is possible to use GVL 24.1 and CG48 group battery systems in the same EGA-line. The selection of the devices allows „CG48 / GVL24.1“ or „GVL24.1/ CG48“. The first device type will appear as text in the group button in the main group menu.

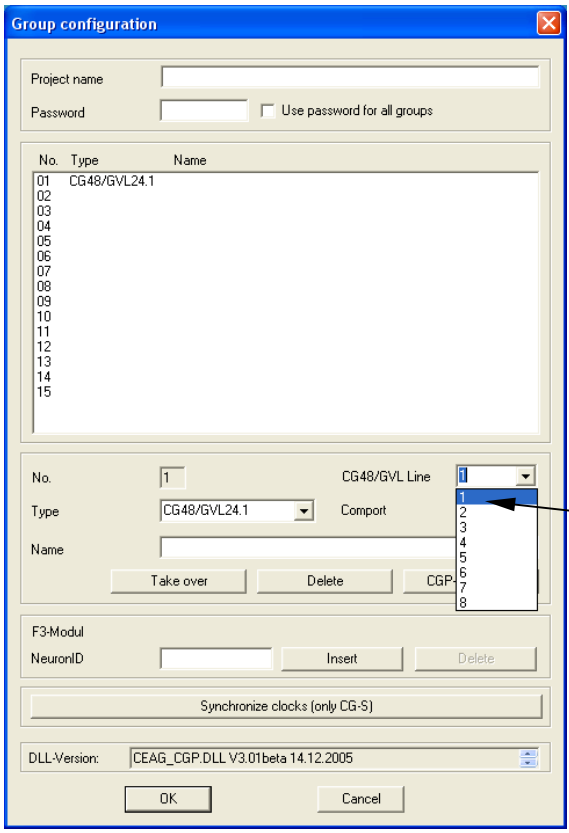


The assignment of a CG48/GVL24.1 group to an EGA-line must be noticed!
It is possible to connect up to 8 EGA-lines (GVL 24.1/CG48 with up to 32 devices (mixed) to the CGVision.
The connection to the EGA-lines occurs via the serial interface (COM-Port) at the PC. For each EGA-line, one COM-Port is necessary.

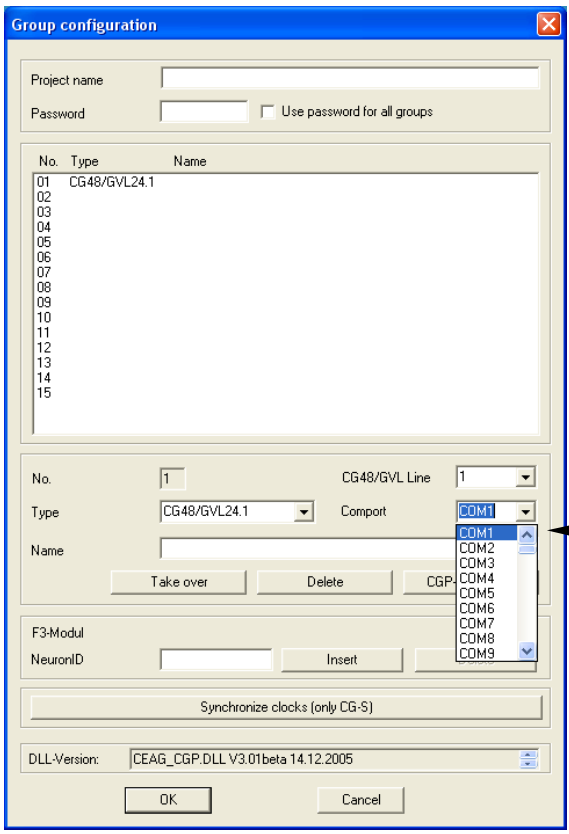
Selection of the device family:
Selection of the device family can be selected in the drop down menu „Type“. If CG48/GVL24.1 is selected, the devicename CG48 will appears in the main group picture.

The assignment of a EGA-line to a COM-Port can be selected via the drop down menu „CG48/GVL-Line“ and „Comport“.

7.1 Configuration of a CG48 / GVL24.1 EGA-line



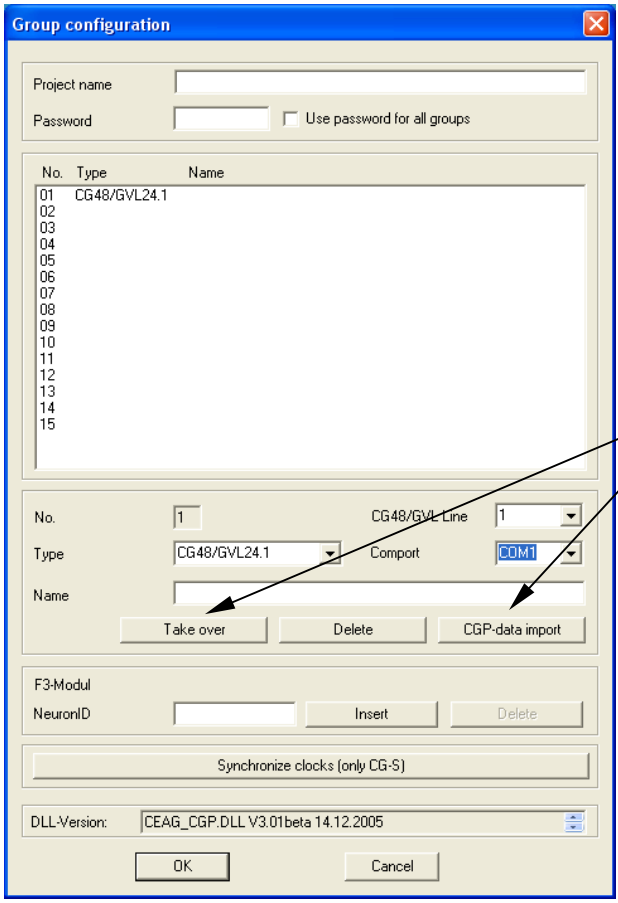
Selection of the EGA-line:
In the drop down menu „CG48/GVL-line“ can be selected the data line 1 to 8.



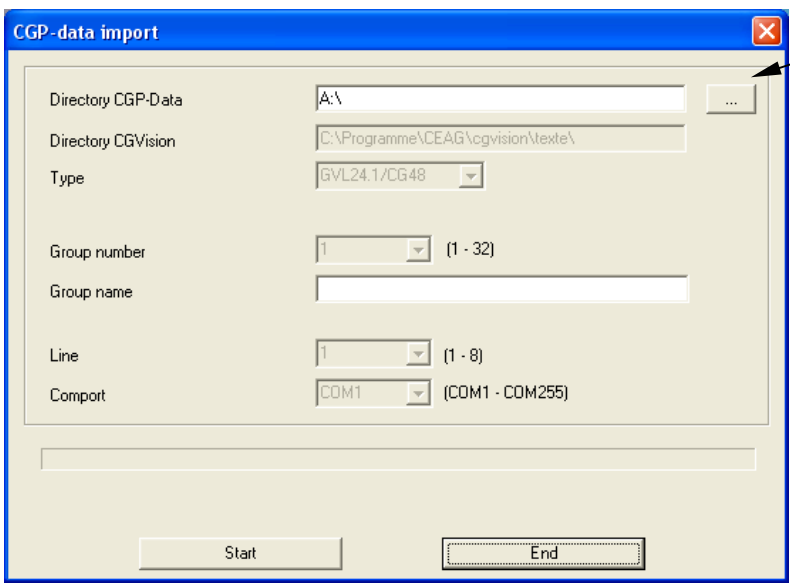
Assignment to the COM-Ports:
After selection of the EGA-line, it is possible to assign the EGA-line to a COM-port with the drop down menu (1 to 255).

7.2 CGP-Dataimport – CG48 / GVL 24.1

Bei Austausch einer vorhandenen CGP, ist es möglich die CG48/GVL24.1-Konfigurationsdateien der CGP in die CGVision zu importieren. Ein CGP-Datenimport ist nur für nicht konfigurierte Gruppen möglich, d.h. die Gruppe darf vor einem CGP-Datenimport keine Anlagen enthalten.



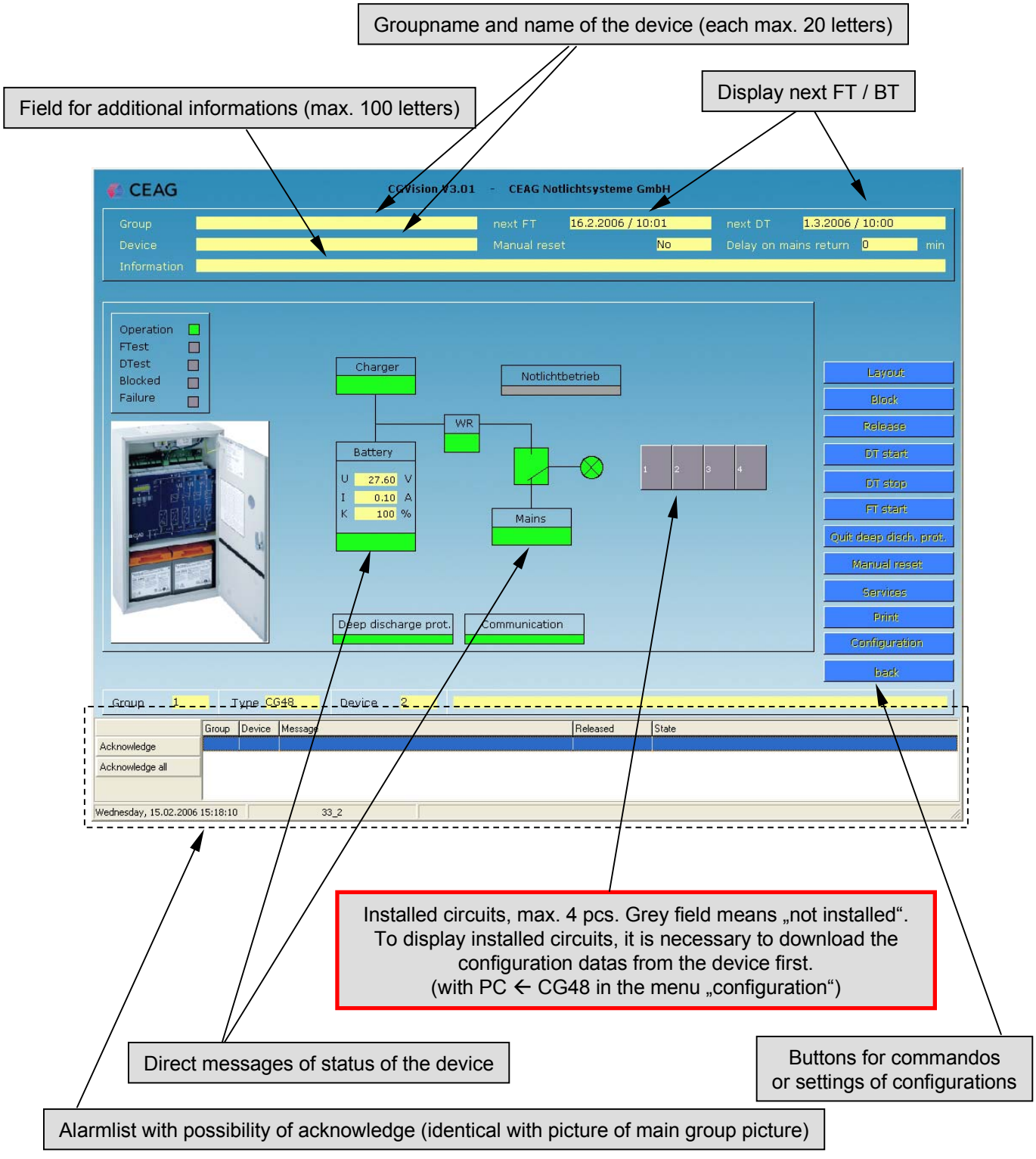
Before a CGP-data import can start, it is necessary to select the line and the COM-Port for the device group first. After confirm with take over, the CGP-data import can start.



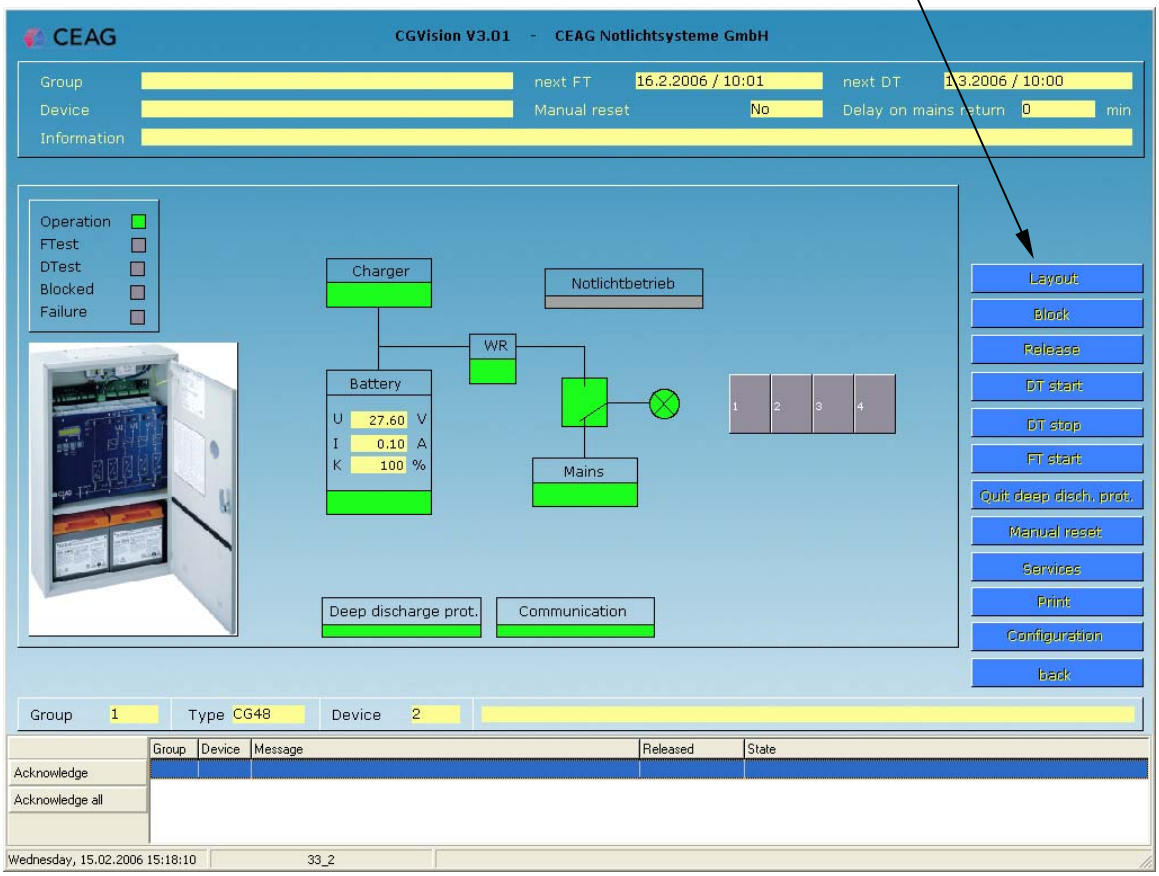
In the next window, the Directory of the CGP-datas must select. Typical directory for a CGP was the floppy drive a:\. It is possible to select other drives. With the button „Start“, the CGP data import will start. Please follow the next dialogs.

7.3 „Device picture – CG48“

Structure of the device picture:



Functions of buttons for commando- or settings of configuration



a). „Layout“
Link to the first building layout of the device (Licence with dongle is necessary !)

b). „Block“
The device can be blocked

c). „Release“
The blocked system can be released

d). „DT start“
Duration test for the device can be started

e). „DT stop“
Duration test for the device can be stopped

f). „FT start“
Function test for the device can be start

g).“Quit deep discharge protection“
Acknowledge a deep discharge protection

h).“Manual reset“
Reset for the device, if iis waiting for a manual reset

i). „Dienste“
Verschiedene Dienste zum Prüfbuch und zur Konfiguration

j).“Services“
Different services for the logbook and for configuration

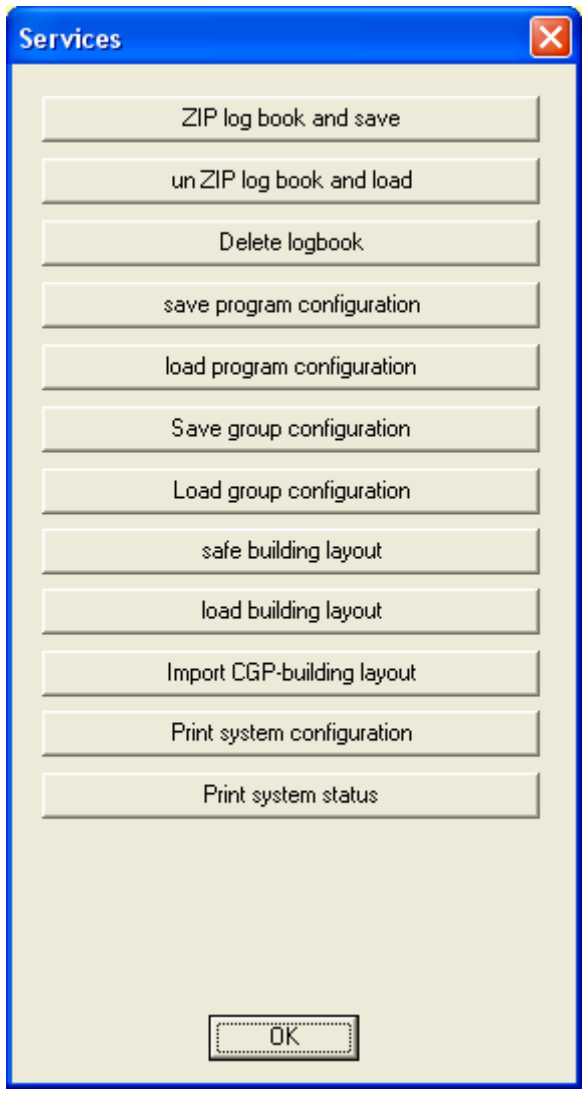
k). „Configuration“
Settings of configuration for all datas in the device picture

l). „Back“
Back to the device group picture

a). Link to the first building layout of the device
(Licence with dongle is necessary, see chapterl „Building layout programming“

b) - h). Above described commandos (point b-f) are directly executable with a click on the button

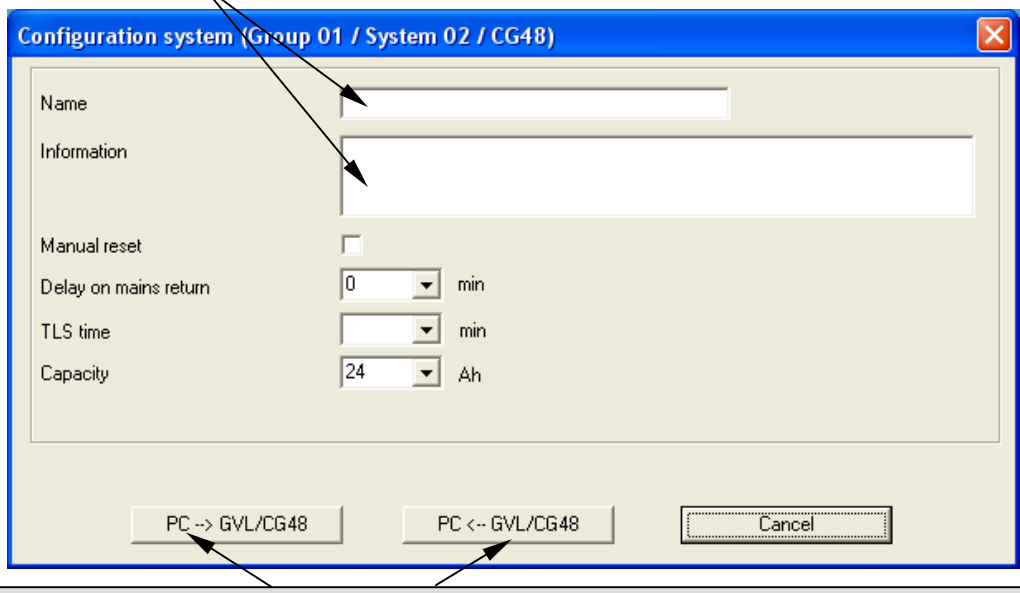
i). „Services“
Different services for the logbook and for configuration



The menu „Services“ is identical with the menu „Services“ in the device group picture, with the difference that the printing of the status is only for the individuell device.
A description for saving/loading of program configurations / group configuartions, you will find in chapter 2.2 „device group picture“ in j) „services“.

k. „Configuration Device“
a). General

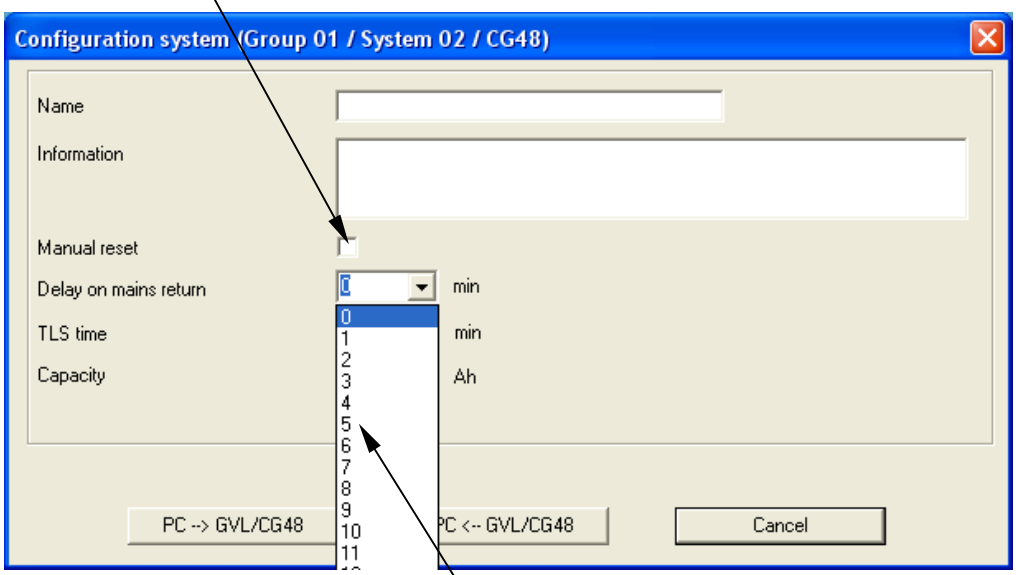
Input of the device name (max. 20 letters) and additional informations (max. 100 letters)



With the button „PC → GVL/CG48“, all changed configurations will sent to the device. With the button „PC ← GVL/CG48“, all current device configurations can download from the device to the CGVision.

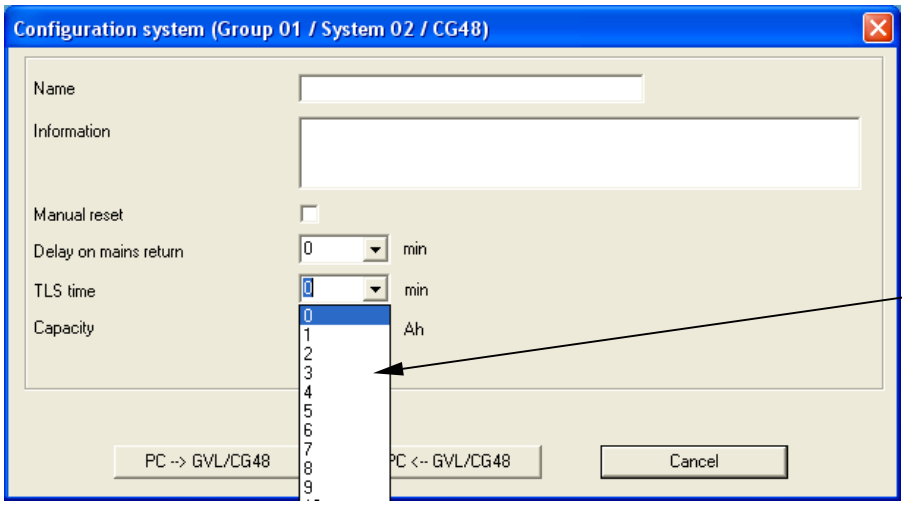
k. „Configuration Device“
b). Manual reset and delay on mains return

Manual reset activate / deactivate

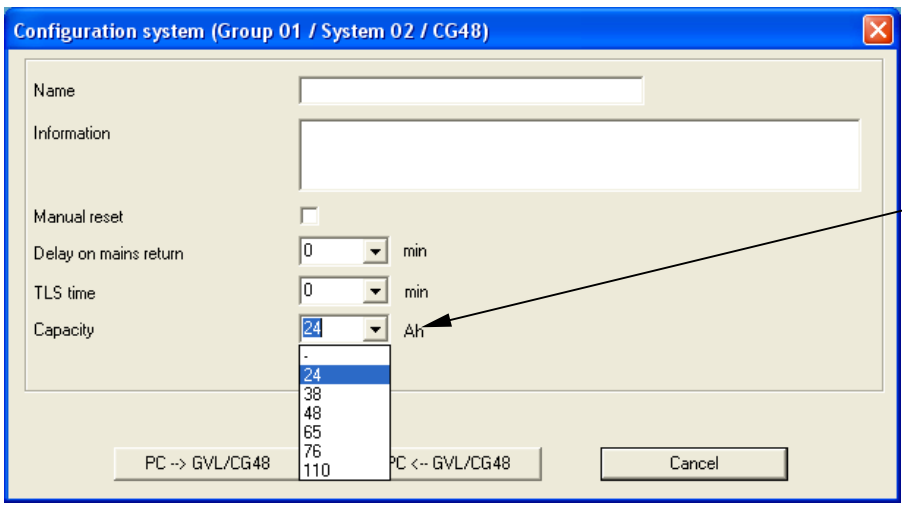


Drop-Down menu for input of the „delay on mains return“ in 1 until minutes

k. „Configuration Device“
c). TLS-time and battery capacity



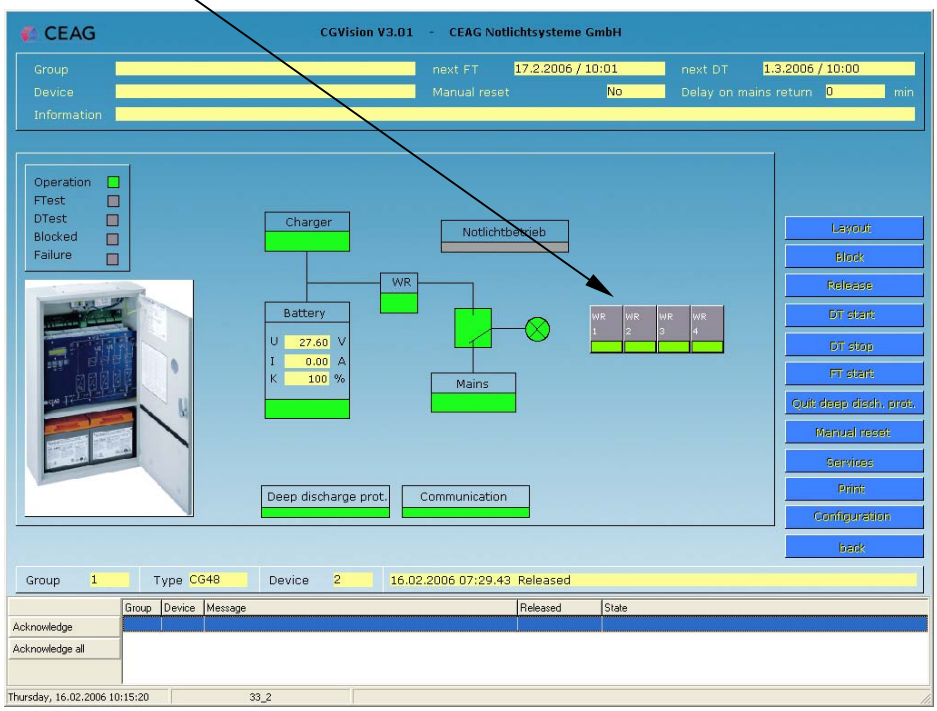
If a TLS-module is installed, it is possible to select via the drop down menu a „TLS-time“ from 1-15 min.



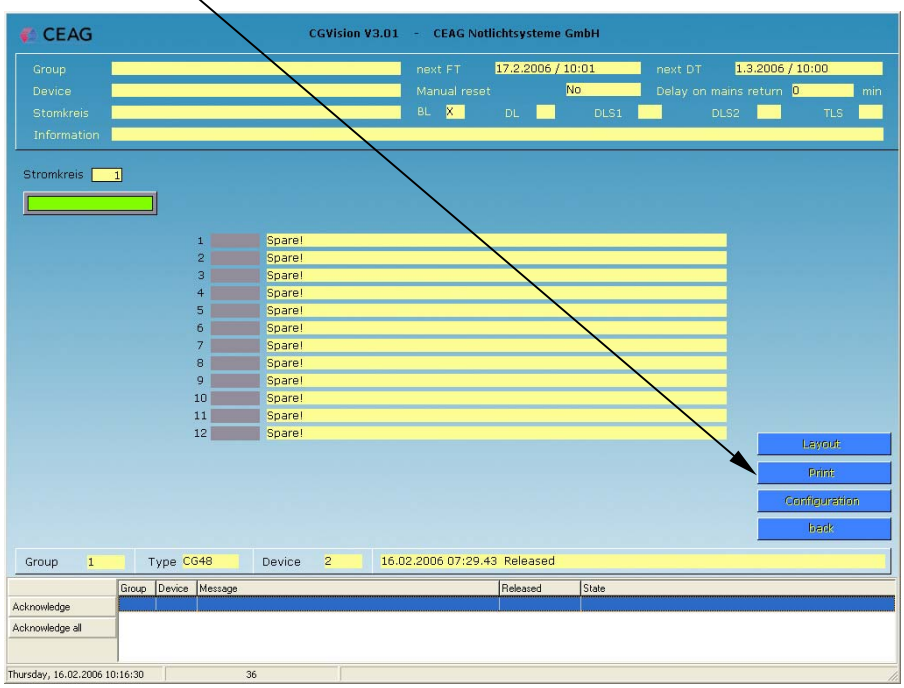
Via the menu „Capacity“, a battery from 24Ah to 110 Ah can be selected.

7.4 „Circuit picture“

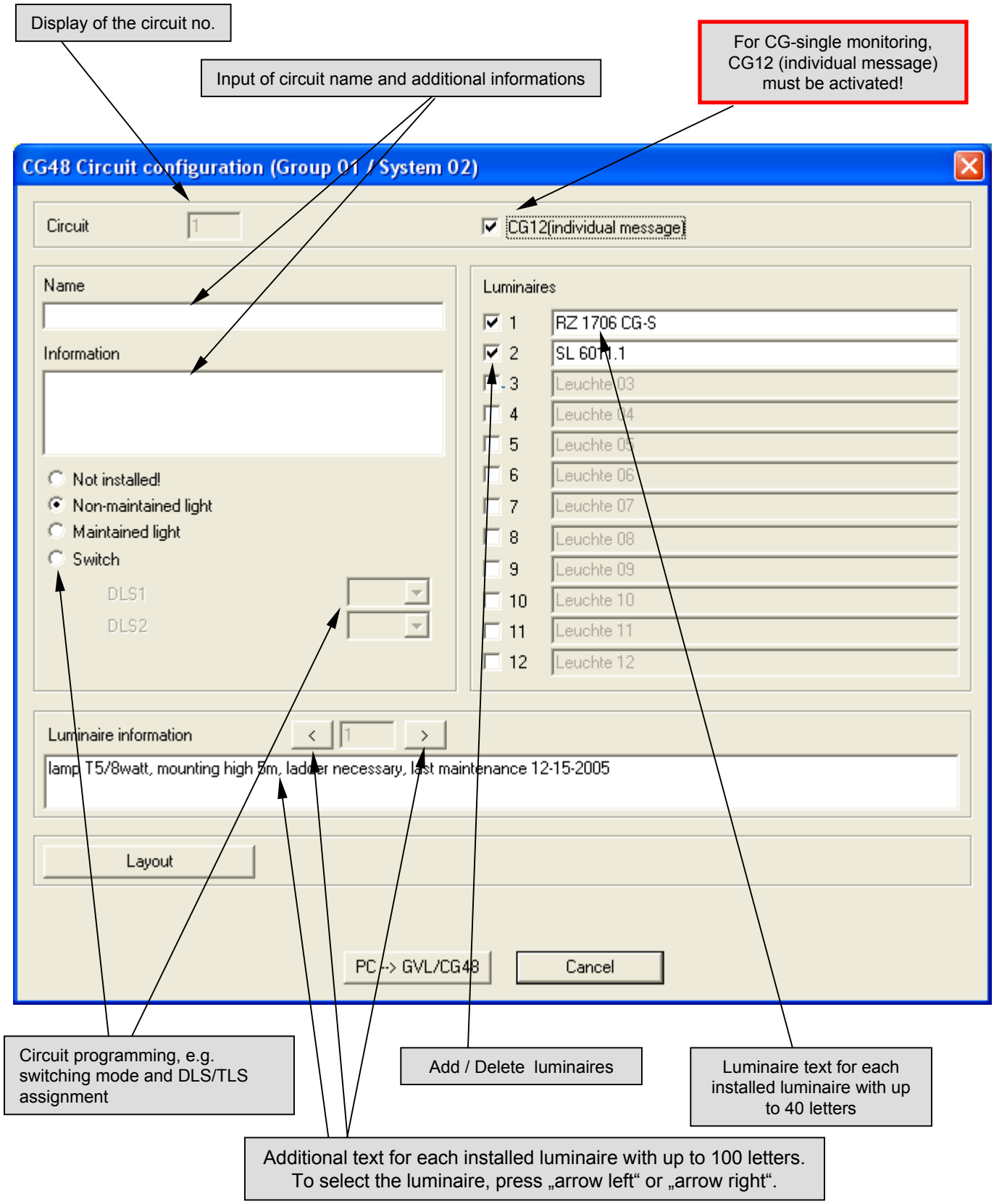
After loading the configuration of the CG48 to the CGVision, all installed circuits will be displayed. With click on the circuit, the next picture for circuit configuration appears.



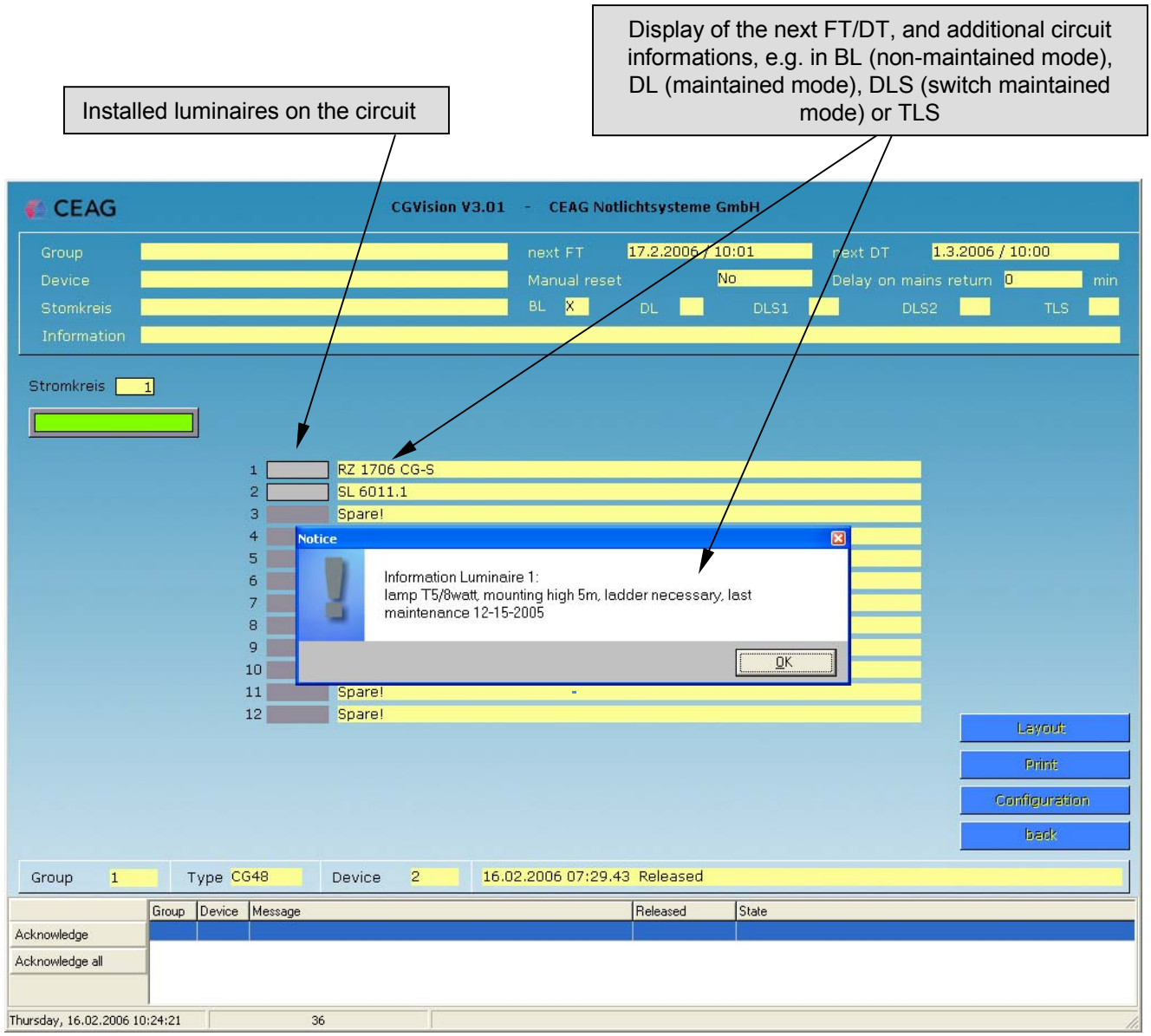
With the button „configuration“, it is possible to configure the circuit, and install new luminaires.



7.4.1 Circuit configuration



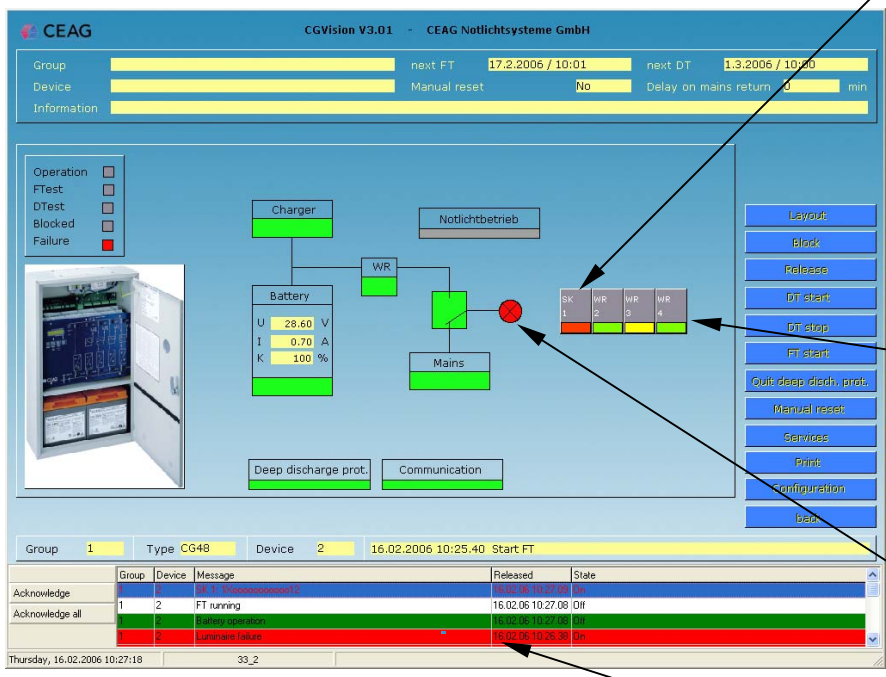
7.5 „Circuit picture“



7.6 General display options

The status of devices respective components are shown coloured in all pictures.
- „Green“ is „OK“
- „Red“ is „Failure“ in the referred section.
- „Yellow“ is for „switched on“, e.g.: circuit is switched on.
- „Grey“ is for „switched off“,e.g. Luminiare is switched off „non-maintained mode“

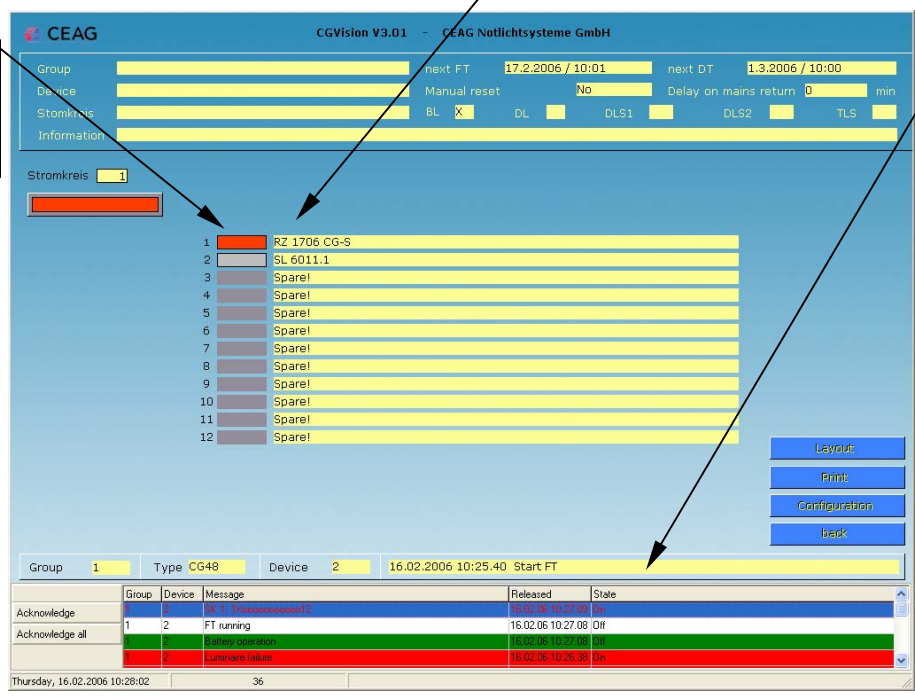
Examples:



Circuit No.1: in non-maintained mode – Lum. Is displayed yellow

Alarmlist with failures in clear text (red)

Circuit No.1: Failure – Luminiare No.1 failure (red)

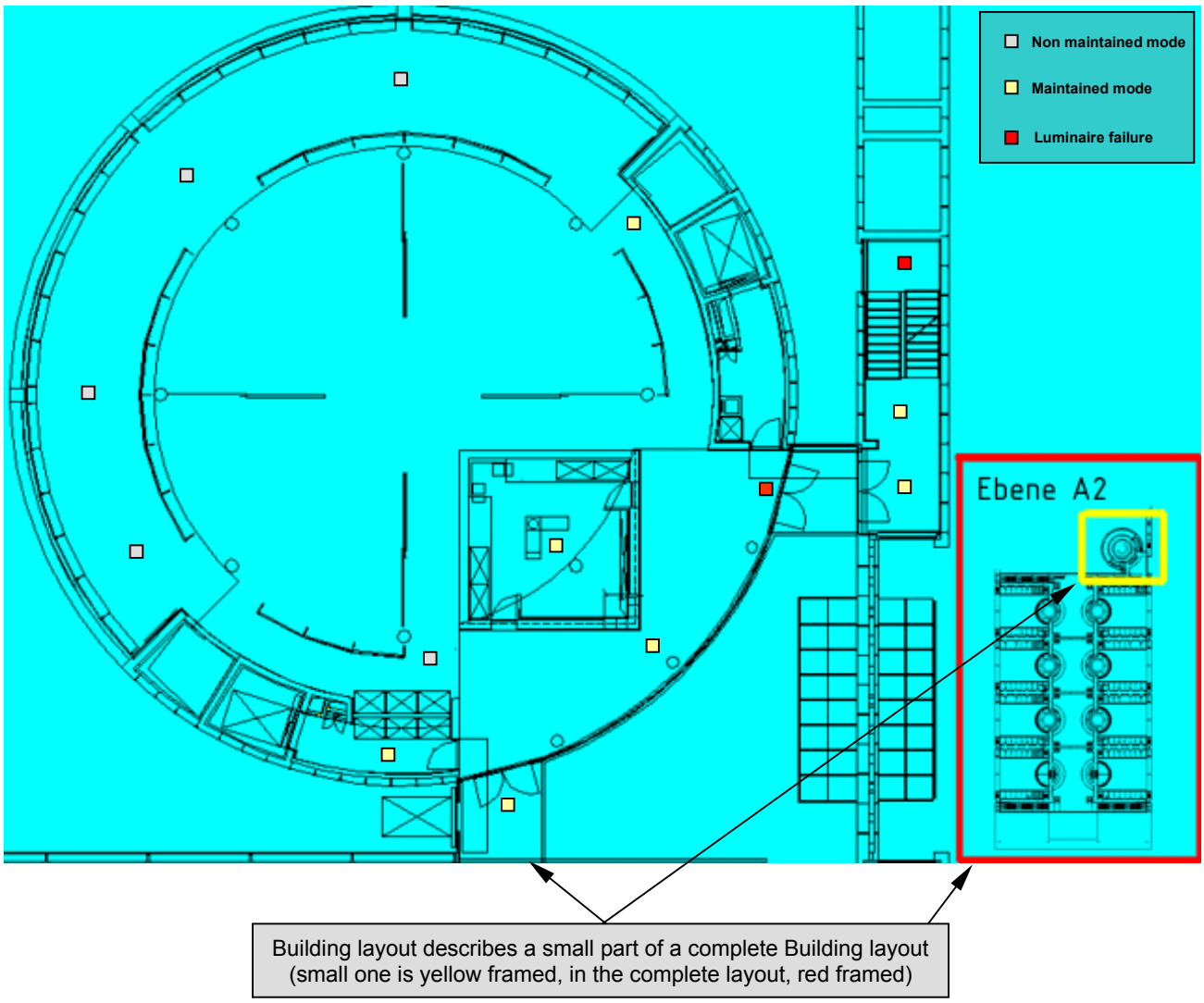


8 Building layout programming

8.1 General informations for CGVision building layout programming

For the function „Building layout programming“ is a licence in form of a hardware-dongle for the paralellport (LPT) required. The buttons for layout configuration in the CGVision are first visible, after detection of the dongle in the printerport (LPT).
The building layout software allows a creation of circuit-related building layout pictures with placed luminaires in the CGVision.
It is possible to place up to 20 saftey or escape route luminaires each circuit. The luminaires will be displayed with their status, that means non-maintained luminaires are displayed grey, maintained luminaires are displayed yellow or green, and faulty luminaires are displayed red. The building layout pictures have to be max. 800 x 600 pixel, and must be in a .bmp format (bitmap). It is possible to import several smaller layouts, which will displayed as one building layout (example see below). Later modifications (e.g. replace of luminaires) are every time in a easy way possible.

Example of a building layout picture:

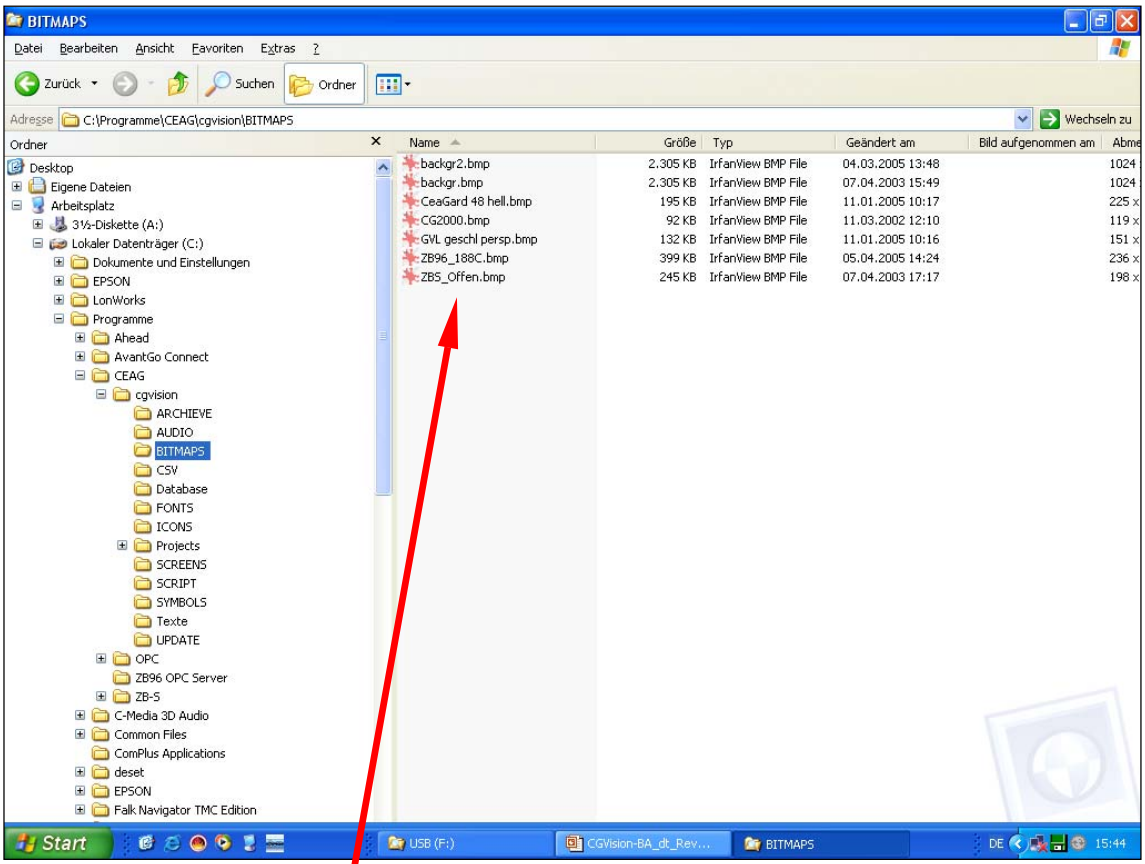


8.2 Preparation of building layout pictures

The correct size of the building layout pictures in .bmp-format is 800 x 600 pixel. Conversions from another types of files, e.g. .jpg and other sizes, e.g. 1024 x 768, are possible in an easy way with standard graphic tools.The names of the pictures are free selectable, but for a better orientation, it is recommended to name the pictures with destination and the location of the circuit, e.g. for a circuit of one SKU in backplane 1 on module place 7, circuit 1 in a location hall 2, 2nd floor (2.Obergeschoss) and ground floor (Erdgeschoss)
Example building layout picture name: Hall 2-OG-EG_1-7-1.bmp .

All building layout pictures have to be copied in following folder:

C:/Programs/CEAG/cgvision/BITMAPS



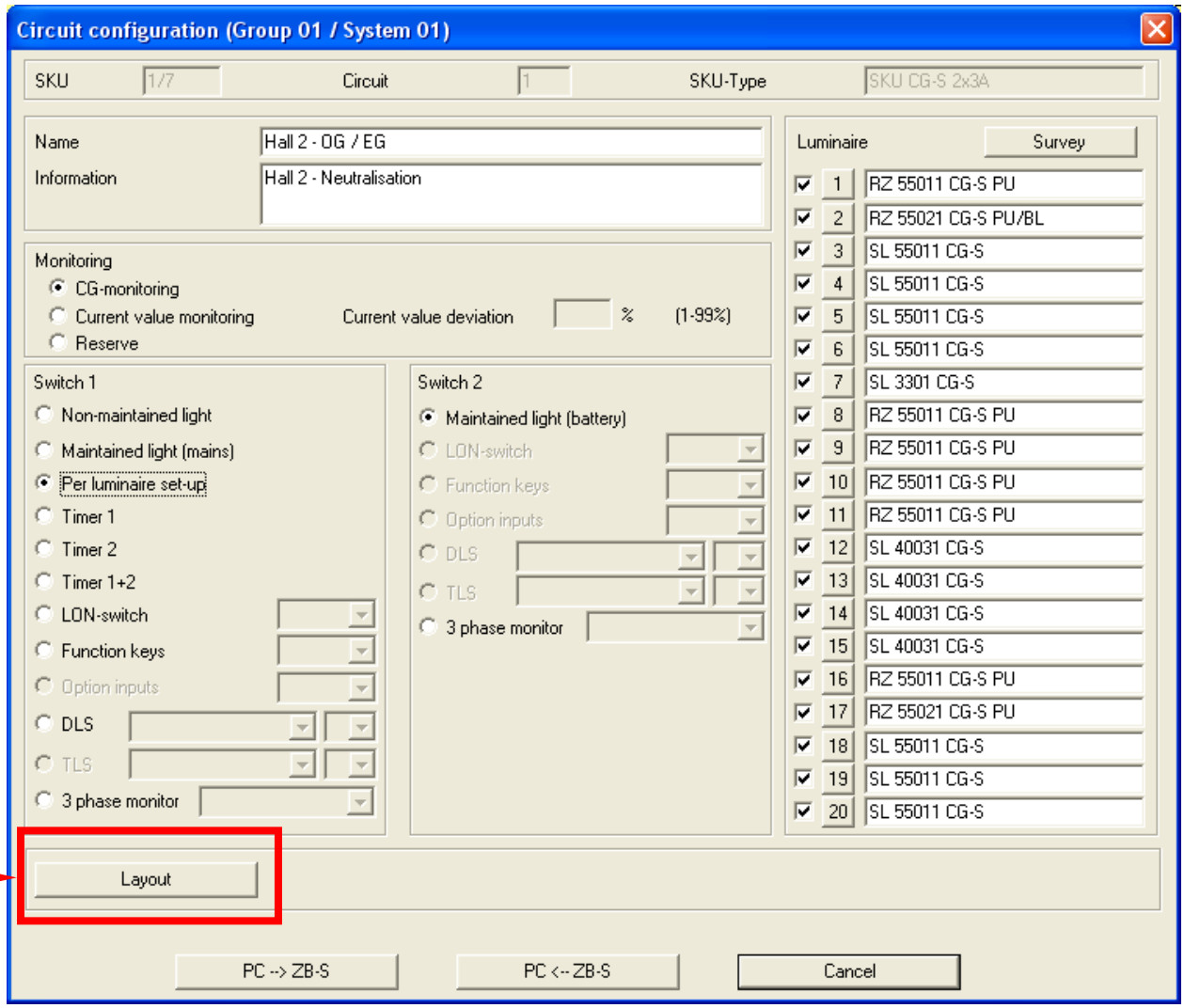
The existing pictures in this folder are system datas of the CGVision. Do not remove or delete these !

After copy of the building layout pictures into the destination folder, the building layout programming can start. Later modifiactions are every time possible.

8.3 Creation of building layouts in the CGVision

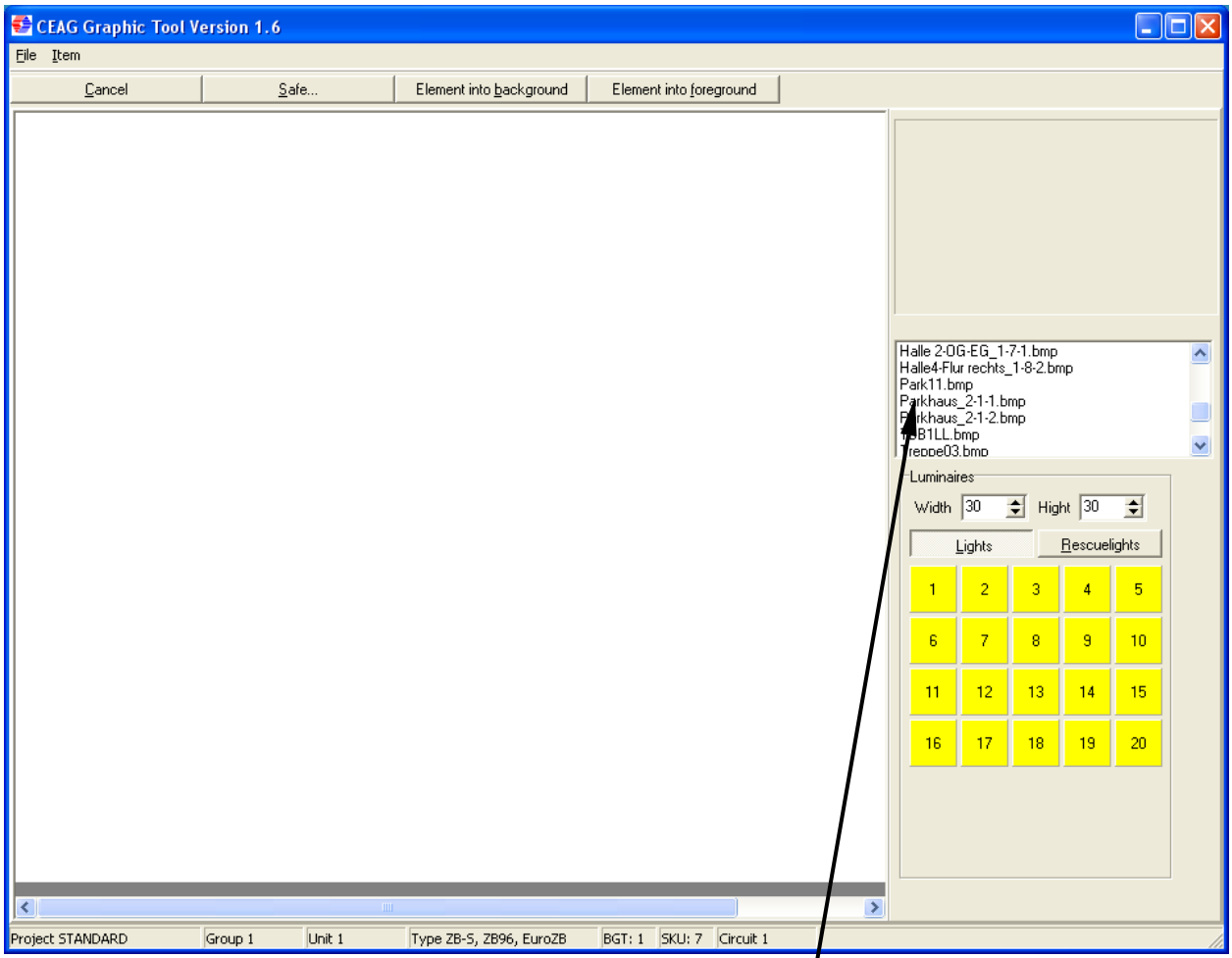
8.3.1 Selection and placement of the building layout

After the correct detecting of a hardware-dongle on the printer port, in each „circuit configuration“ of a device, a push button „Layout“ appears. This is a link to a graphic tool for building layout programming.



8.3.1 Selection and placement of the building layout

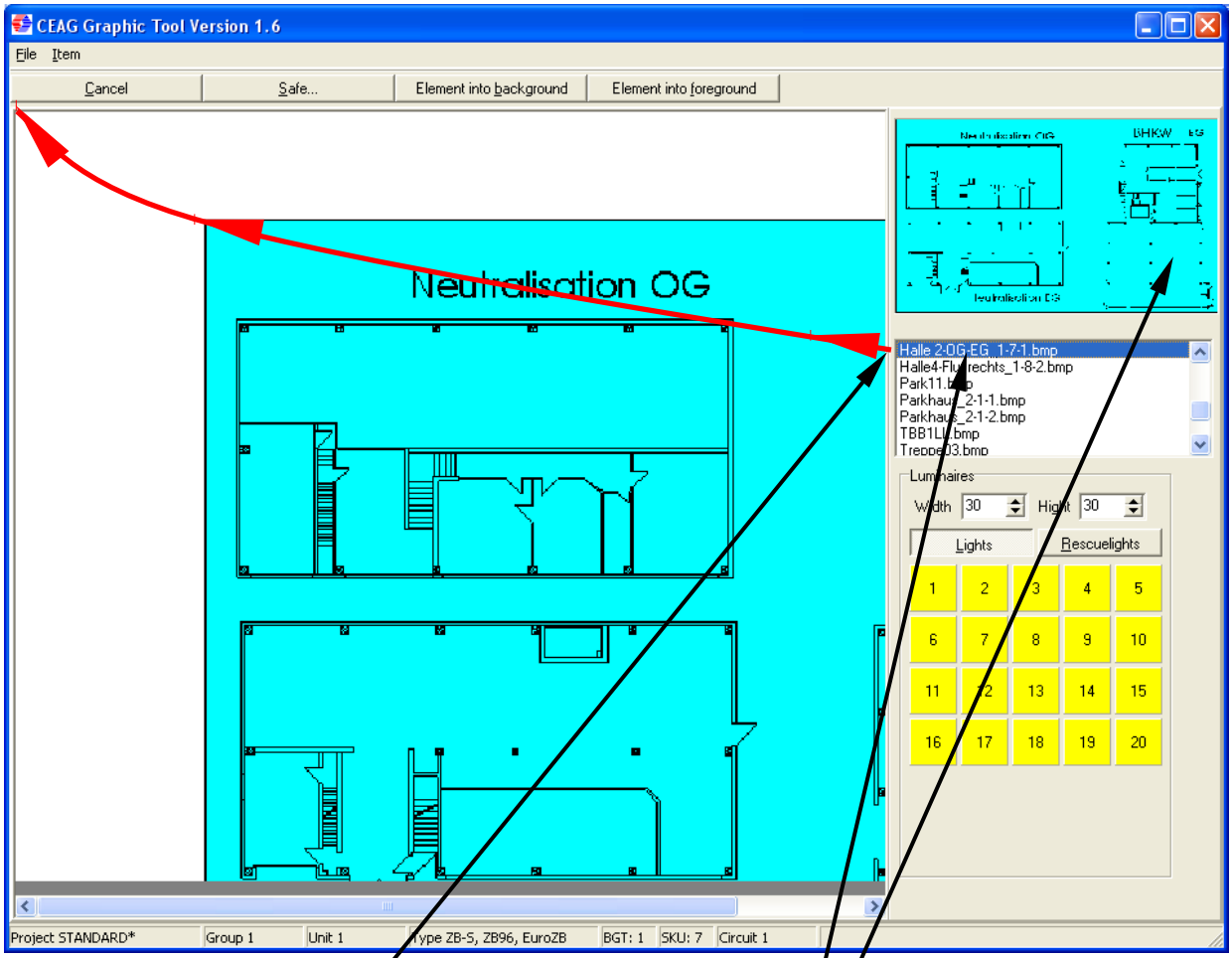
Following menu appears:



Display of the location of the circuit for programming. E.g. Device 1 in Group 1, Circuit 1 on Backplane 1 in SKU 7

In this list all pictures appears, which are copied before in the folder „Bitmaps“. With „pressed“ left mousebutton, it is possible to move the picture in the left free area.

8.3.1 Selection and placement of the building layout

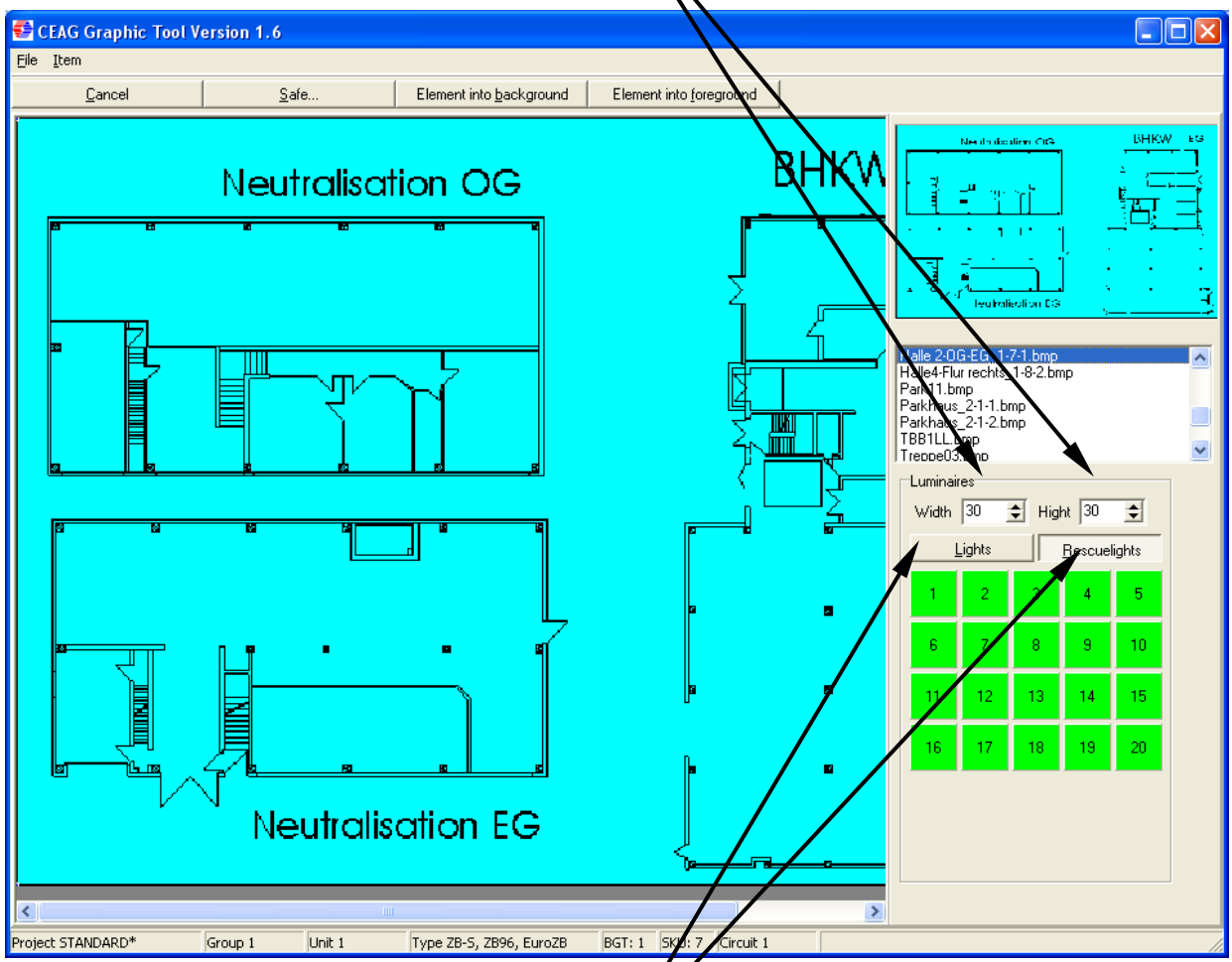


After selection of the correct layout picture, it is possible to move the picture with pressed left mousebutton to the left free area, unitil the left corner (red line)
A correction is everytime possible. For moving of the picture please click the left mousebutton (pressed) on the picture and move it to the correct place.

For selection and control of the correct layout, the selected layout picture will display on the small screen .

8.3.2 Selection and placement of the luminaires

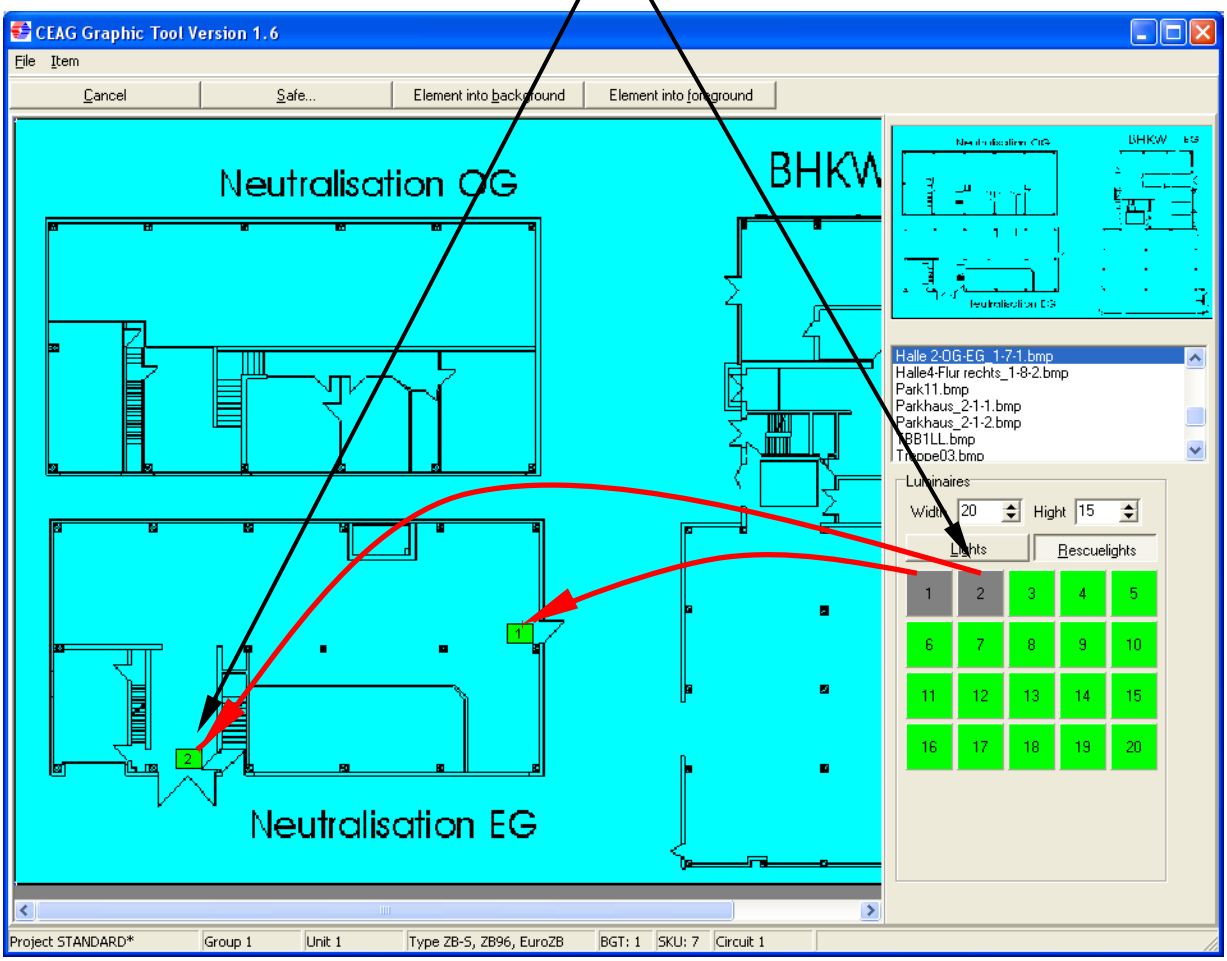
It is possible to select the width and the hight of each luminaire, before the luminaires will place on the building layout, to have the best proportion between the layout and the luminaires. It is recommended to test out the best proportion. (Recommended width is 10-20 pixel and hight 7-15 pixel).



With the buttons „Lights“ and „Rescuelights“ it is possible to select safety luminaires or escape route luminaires. Saftey luminiares will displayed as normal lamp, and escape route luminaire will displayed as green pictograms. After above described selections, the placement of the luminaires can start.

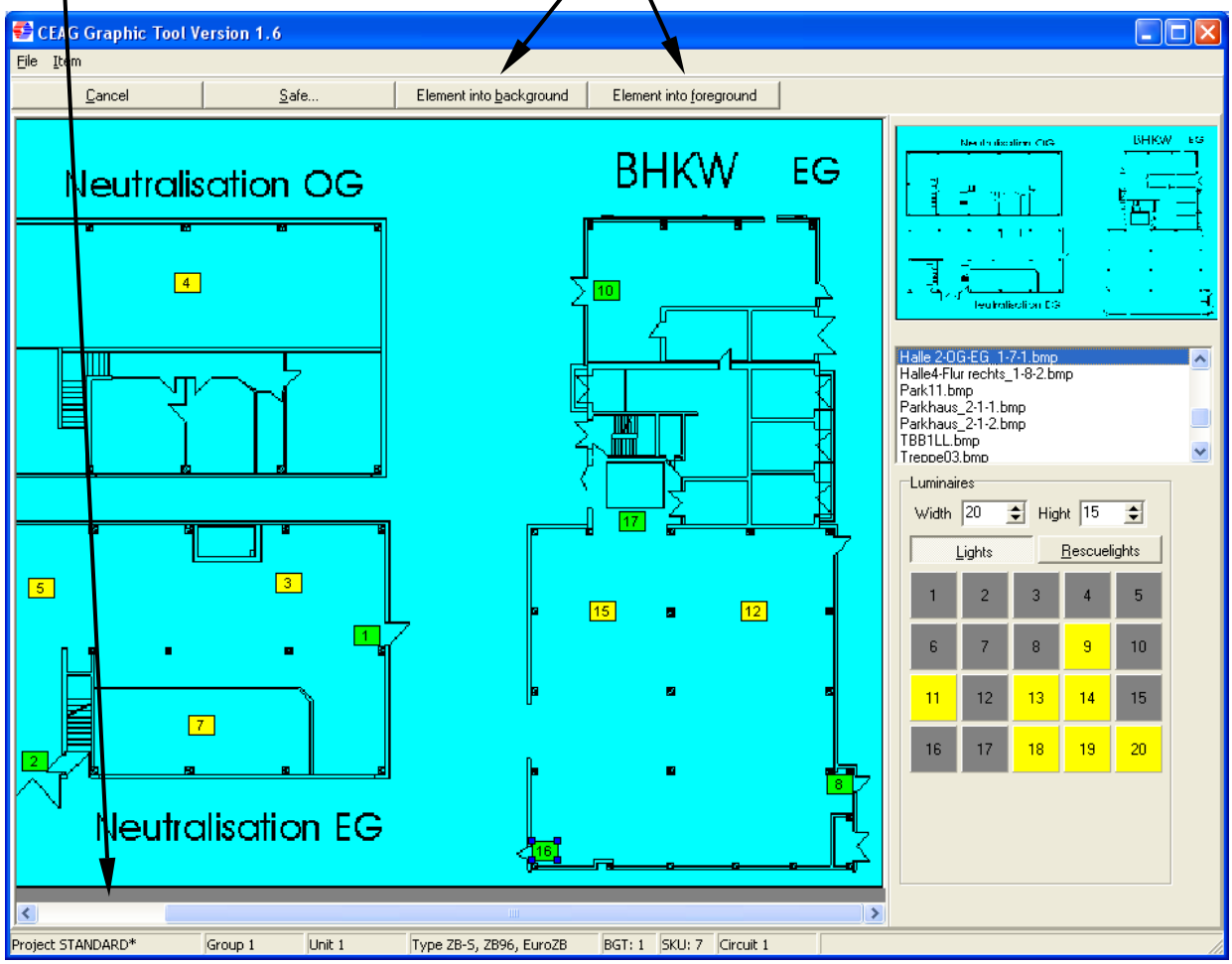
8.3.2 Selection and placement of the luminaires

With pressed mouse button, each luminaire can placed on the building layout. A correction is every time possible. With doubleclick can mark the luminiare (4 blue corners), and move with pressed mouse button to the correct place. A luminaire can delete with the button „delete“ on the keyboard if the luminiare is marked (blue corners). The luminaire will removed to the start.



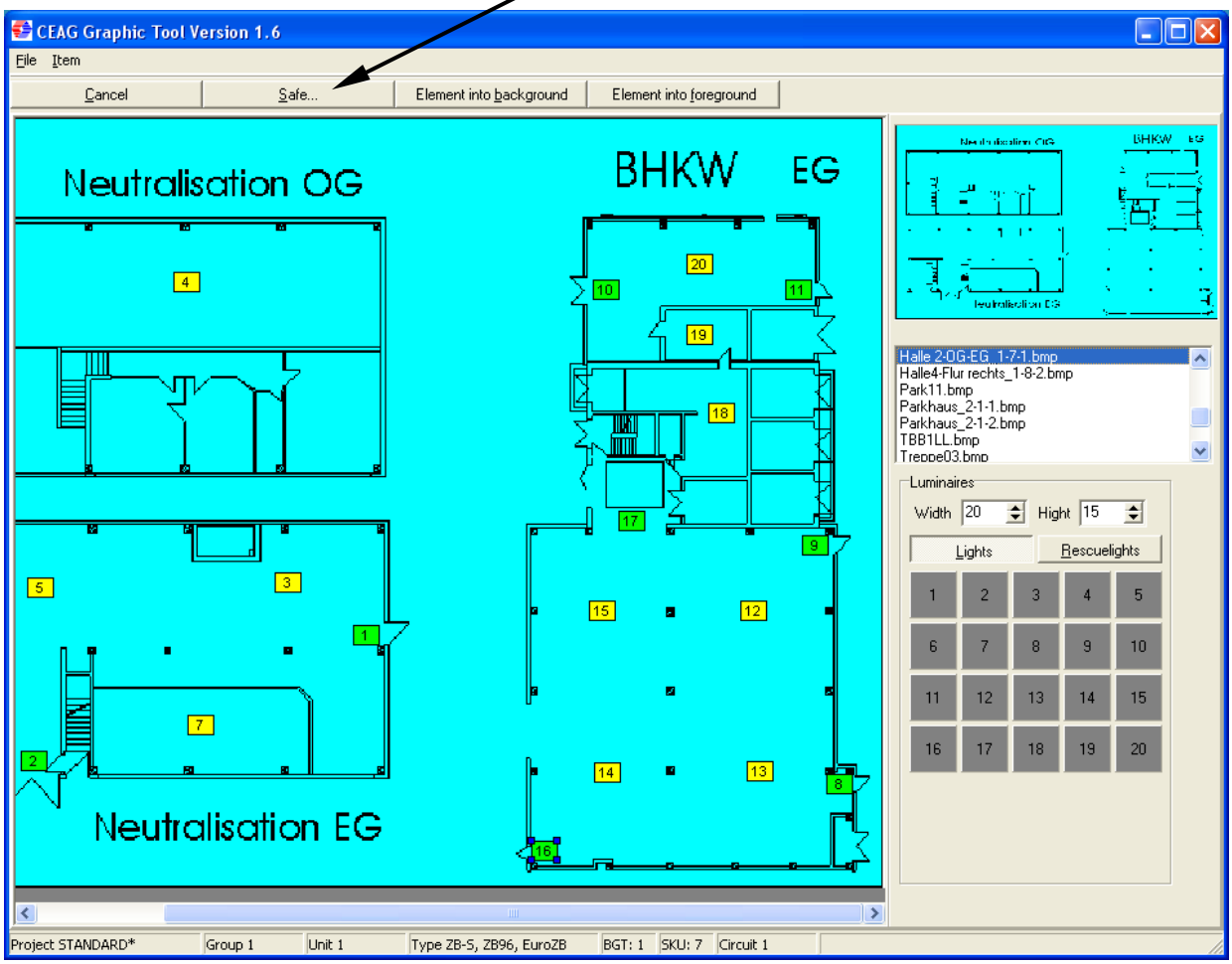
8.3.2 Selection and placement of the luminaires

The luminiare can be placed in any sequence. The building layout can scroll via the scroll buttons. It is possible to import several small pictures. With the buttons „Element in the back- foreground“, the luminaires or pictures can placed in front or in back of each other.



8.3.2 Selection and placement of the luminaires

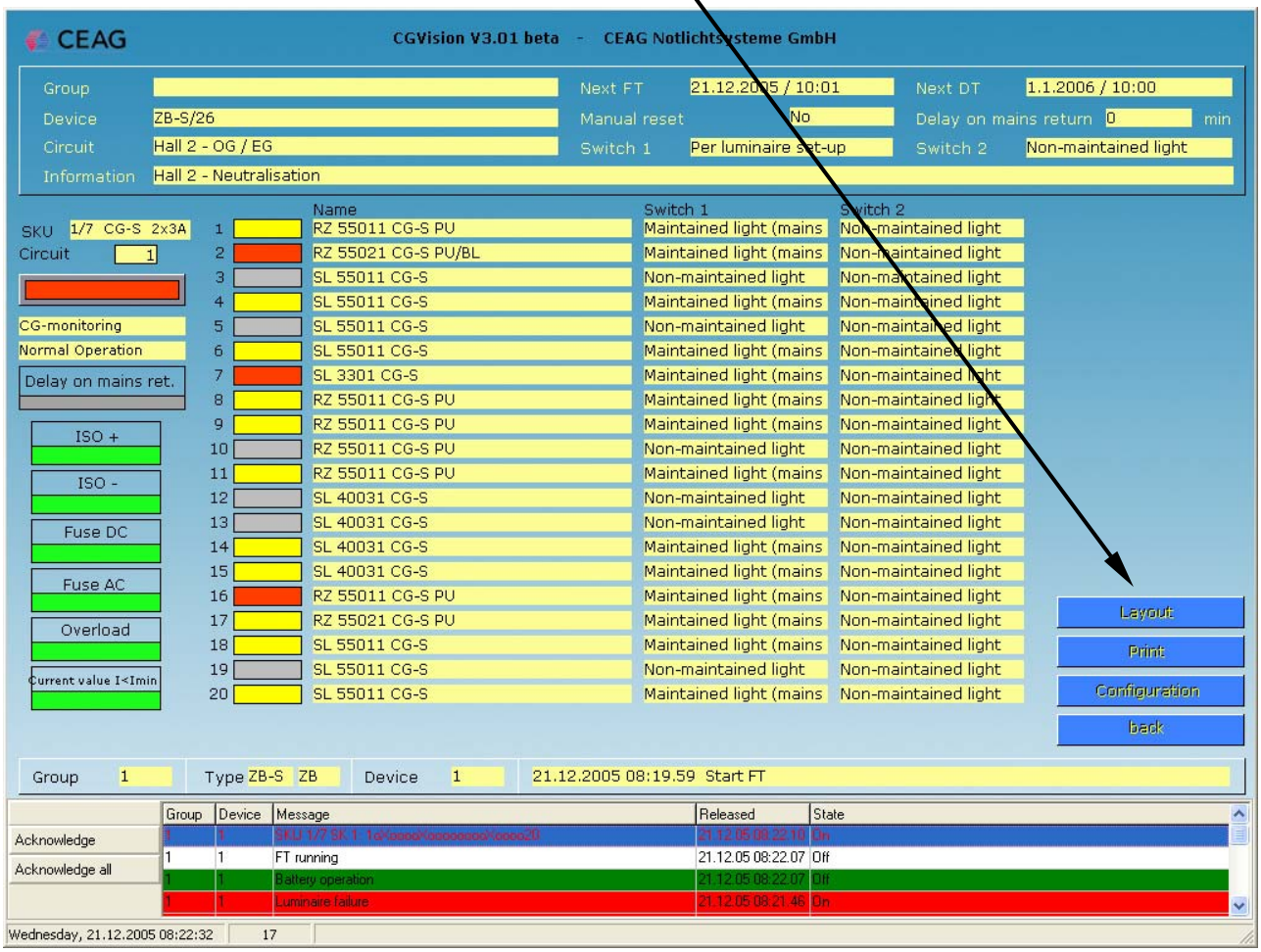
After placement of all luminaires, the programmed building layout can stored with the button „Safe“. Later modifications can stored again with „Safe“.



Following message appears. Confirm with Yes, and leave the program with „Cancel“.

8.3.2 Selection and placement of the luminaires

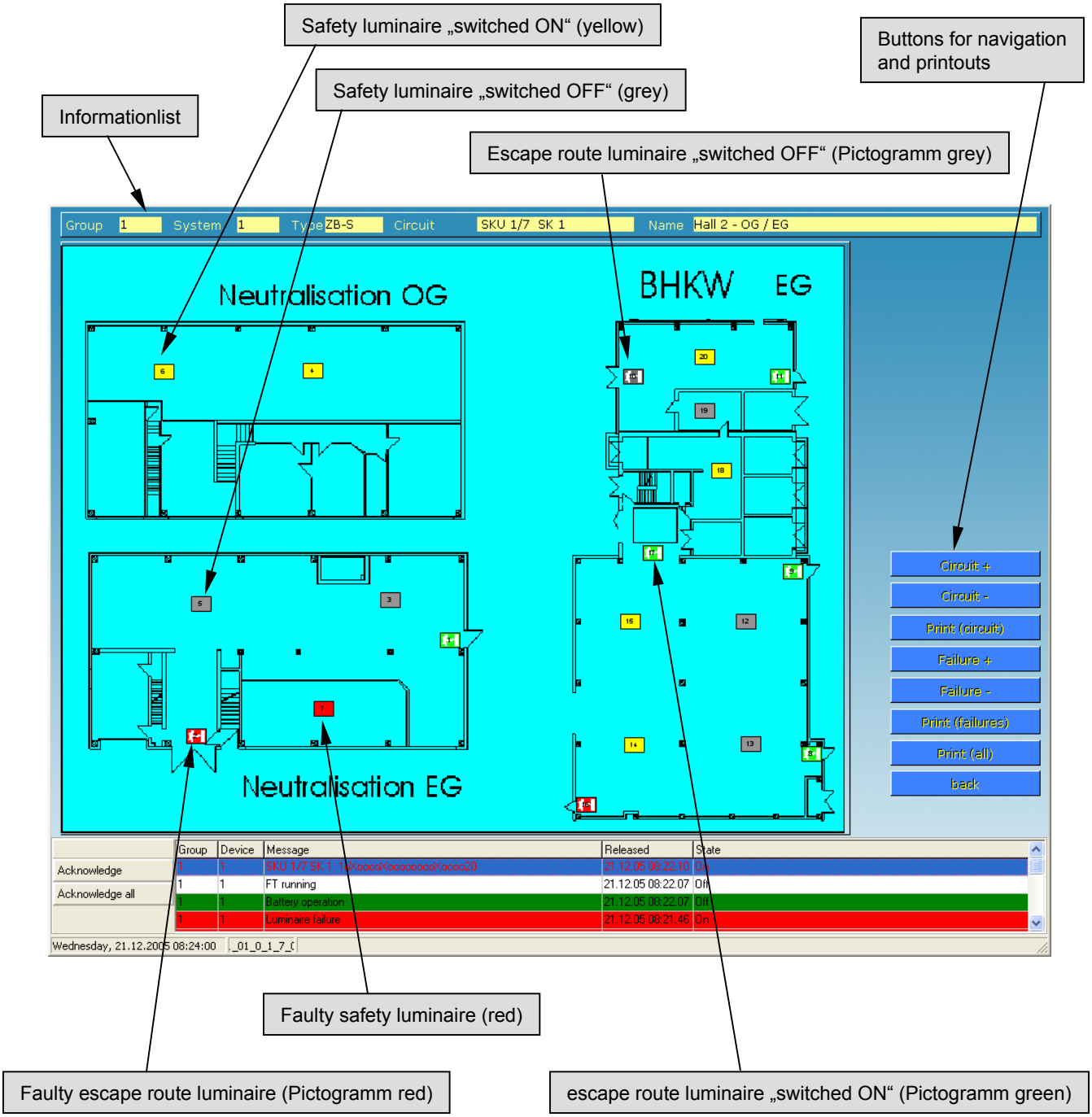
The same procedure is valid for all other circuits, which are used with building layouts. After the building layout programming, the finished building layouts can load with the button „Layout“ in each level. In the device picture, the first programmed building layout will appear. In each circuit picture, the appendant building layout will appear.



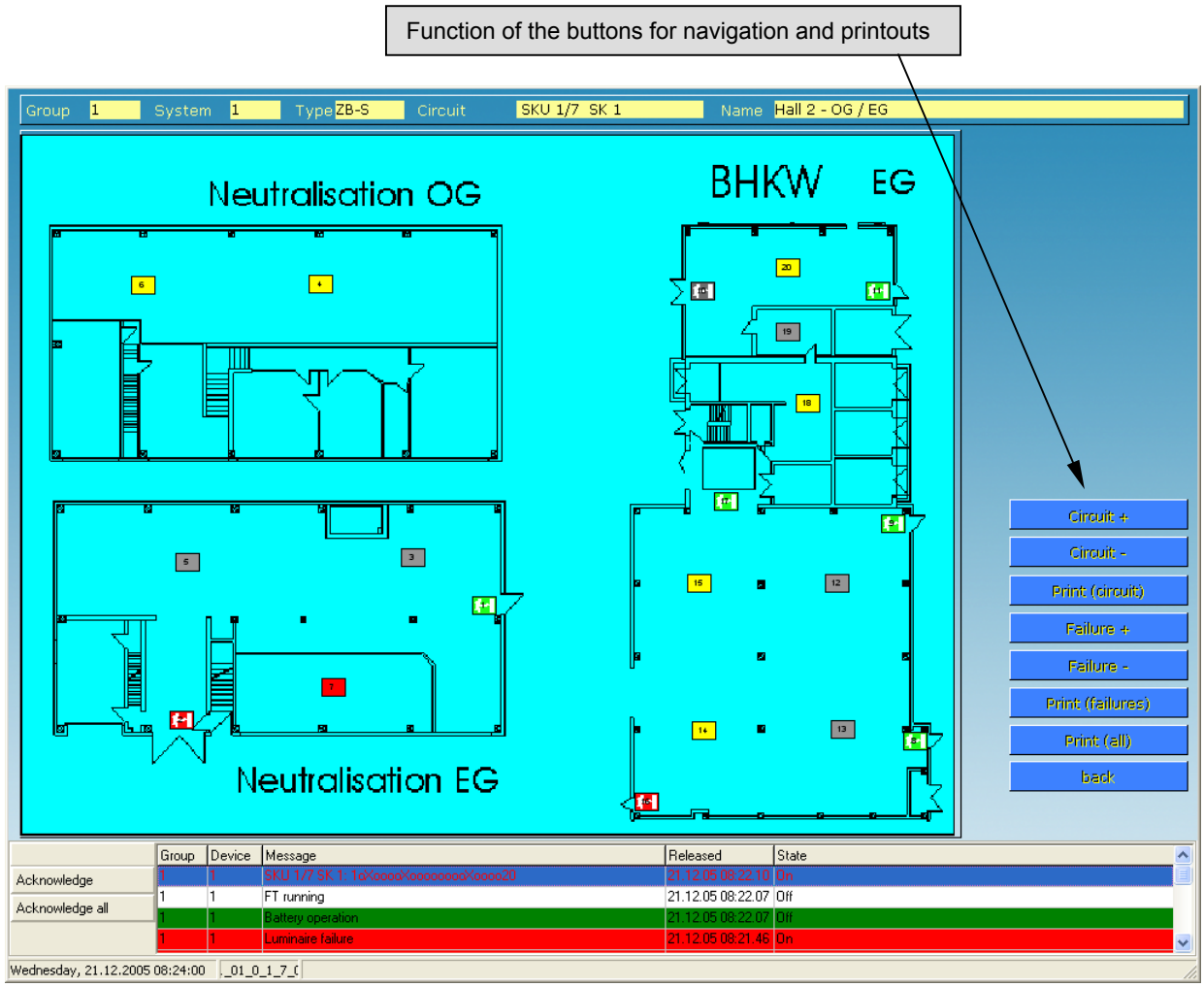
8.4 Using the building layouts

8.4.1 Load and use

Structure of a building layout



8.4.1 Load and use



a). „Circuit + “
Load of the next Building layout

b). „ Circuit - “
Load of the previous Building layout

c). „Print (Circuit)“
Printout of the luminaire status list, and the building layout of the current circuit

d). „Failure + “
Load of the next Building layout with faulty luminaires

e). „Failure - “
Load of the previous Building layout with faulty luminaires

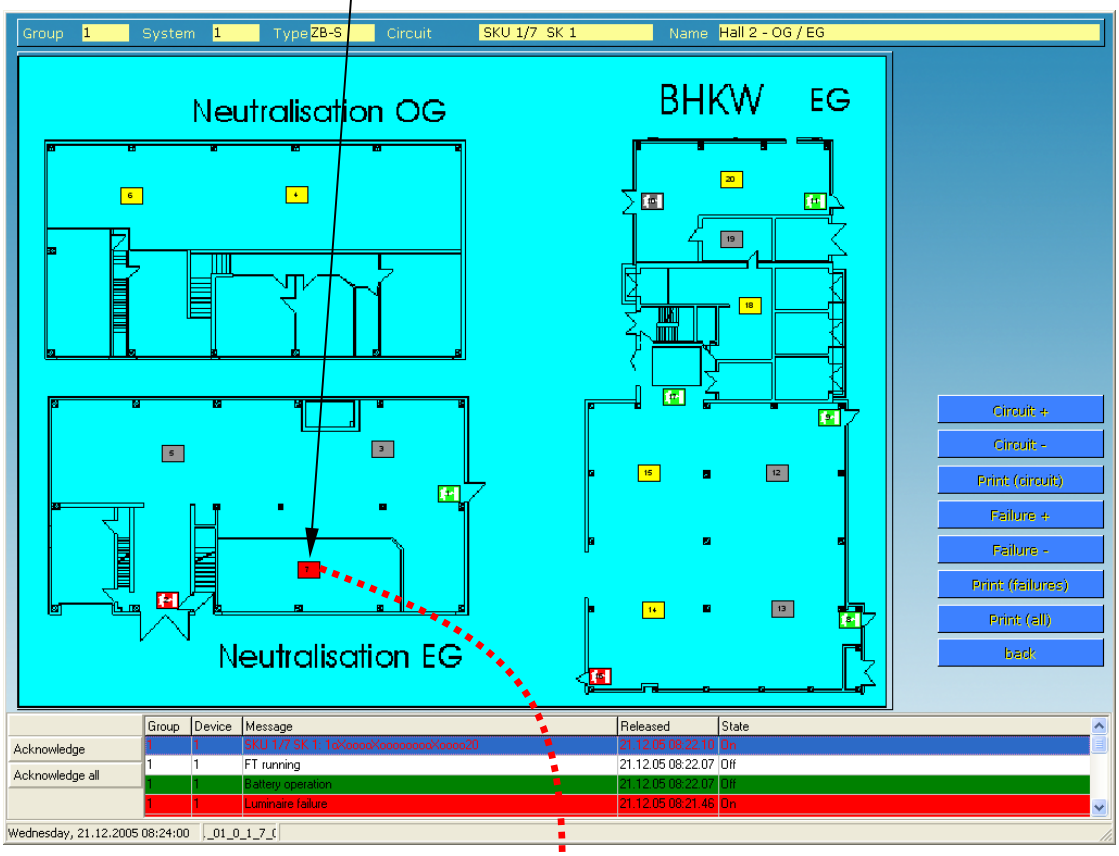
f).“Print (Failures)“
Printout of the luminaire status and building layout of faulty circuits

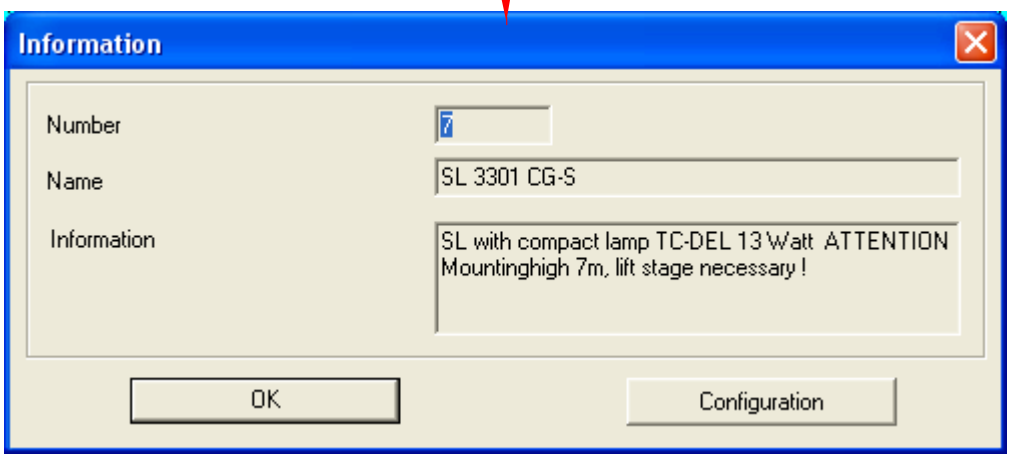
g).“Print (all)“
Printout of the luminiare status and building layout of all circuits

h). „back“
Back to the circuit picture

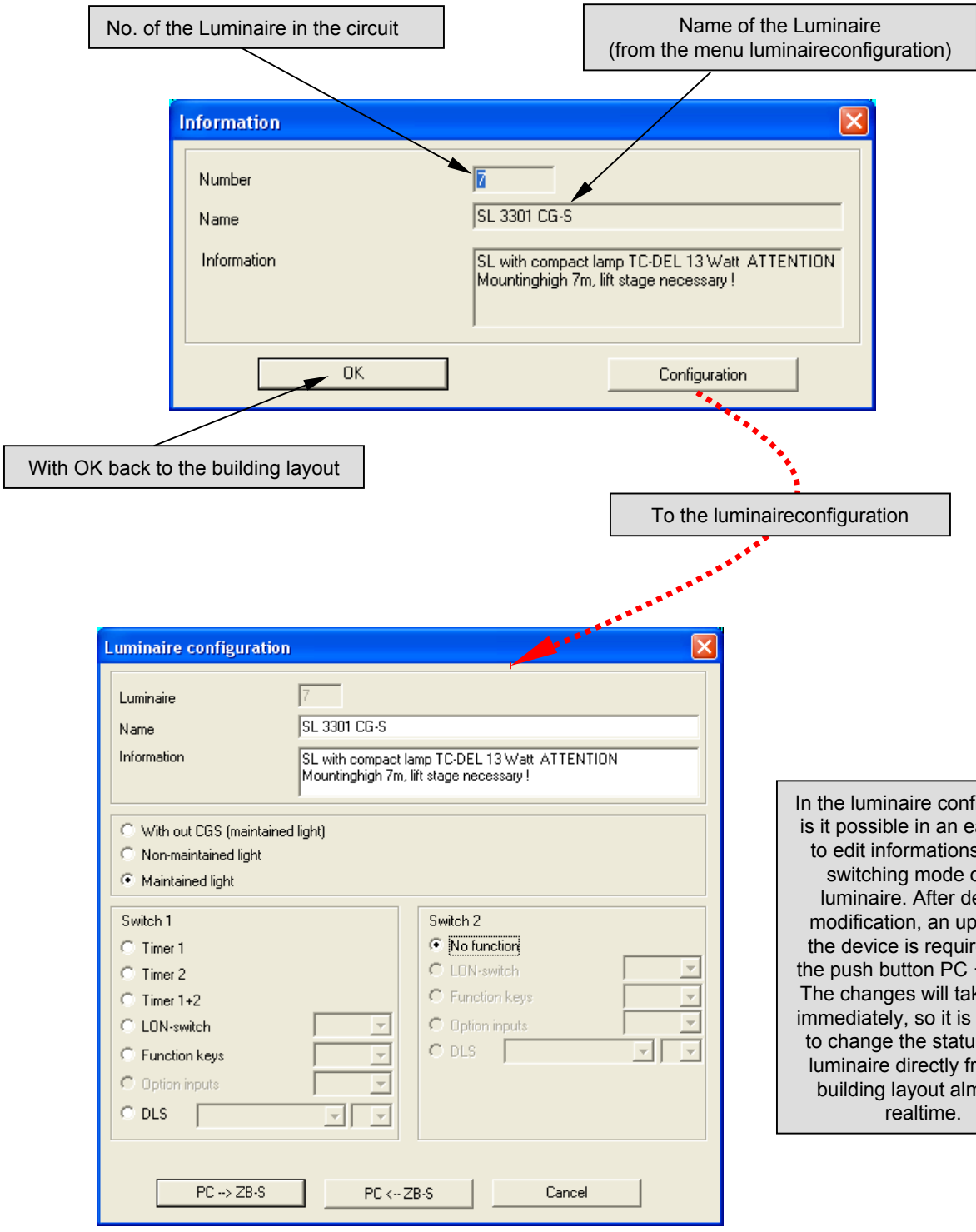
8.4.2 Extended functions

With click on a luminaire, a new information window with extended informations and functions appears.





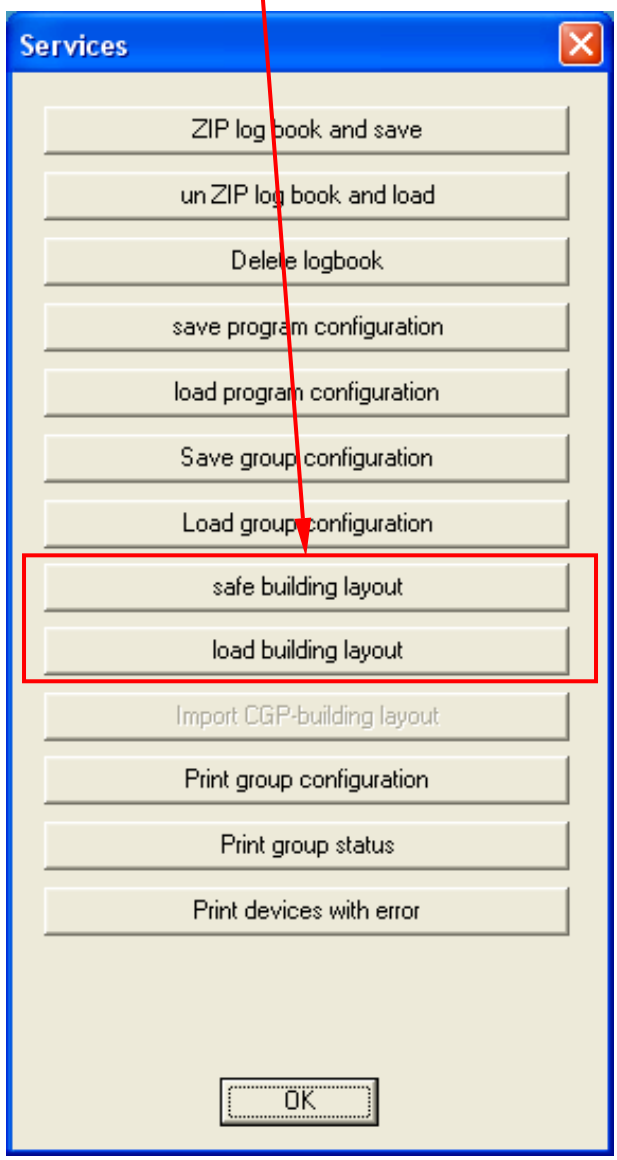
8.4.2 Extended functions



In the luminaire configuration is it possible in an easy way to edit informations or the switching mode of the luminaire. After desired modification, an upload to the device is required with the push button PC → ZB-S. The changes will take effect immediately, so it is possible to change the status of the luminaire directly from the building layout almost in realtime.

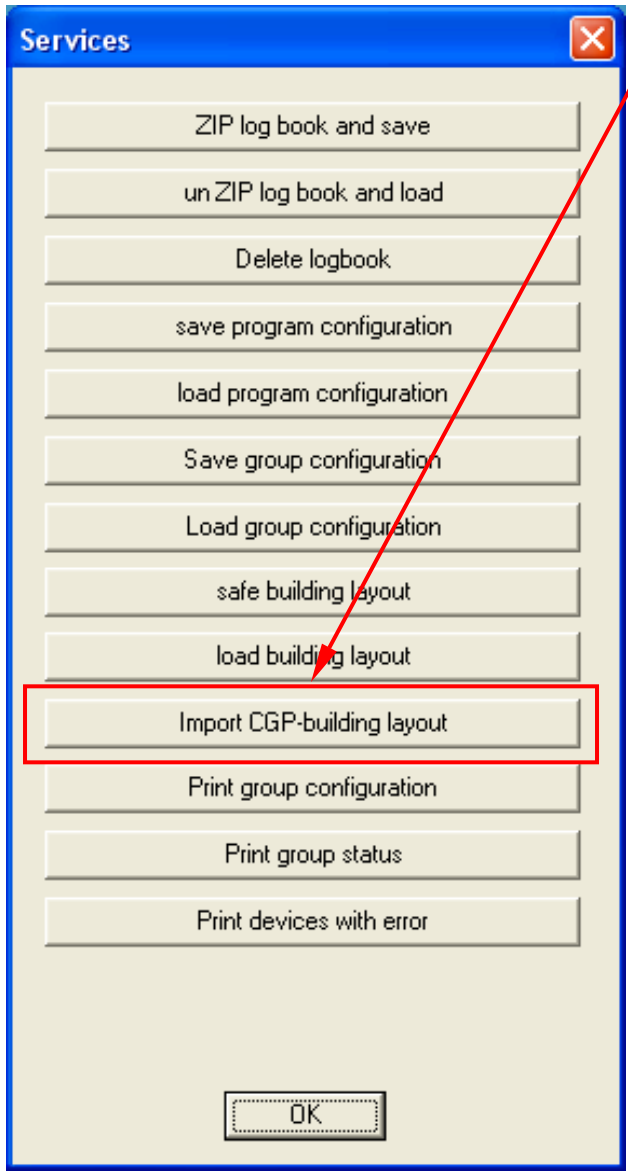
8.5 Safe/Load of a building layout programming

It is recommended to make an backup of the new building layout programming , e.g. on CD. This is possible in the menu „Services“. It allows to load a building layout programming at any time.



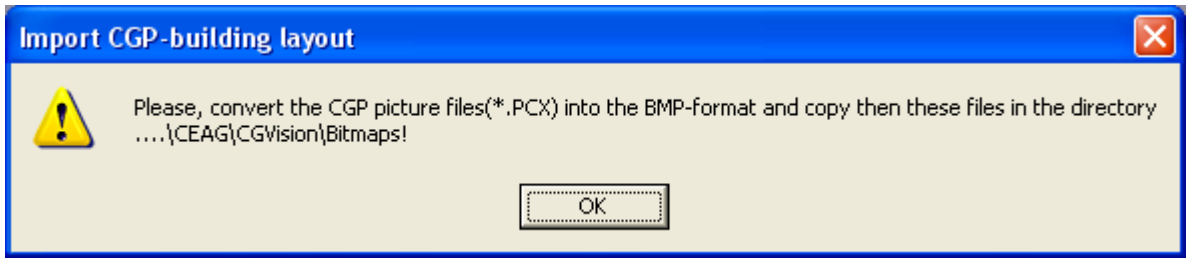
8.6 CGP-Dataimport of a building layout programming

In case of a replacement of an old CGP, it is possible to import an existing building layout programming of a CGP. For this is in the menu „Services“ a button „Import CGP-building layout“



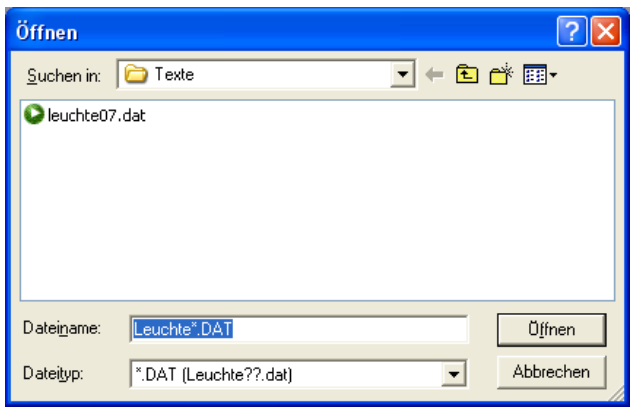
8.6 CGP-Dataimport of a building layout programming

After click on the button, following message appears:

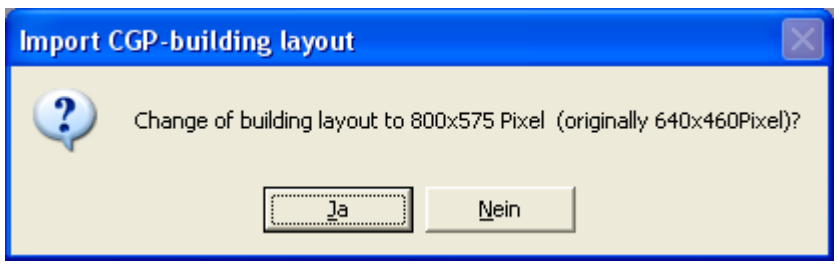


Due to the fact that the pictures of a existing CGP building layout programming are in .pcx-format in 640 x 460 pixel, it is necessary to convert these in .bmp-format. This is possible with a standard graphik software in an easy way. After the conversion, the pictures have to be copied in the destination folder
C:\Programs\CEAG\CGVision\BITMAPS

After click on O.K., the correct destination folder must be choosed for the Leuchtexx.dat, which is copied from the CGP.



After correct selection following message appears. Due to the fact that the pictures from the CGP are in 640 x 460 pixel, it is possible to convert the pictures in the correct CGVision size of 800 x 575 pixel.



After confirmation with „Ja“, the import and the conversion will start. Now the building layout programming is ready for use.

Notices:

Notices:

400 71 347 387(E)/ 26/ 17.02.06/ CE

CEAG Notlichtsysteme GmbH

Senator-Schwartz-Ring 26
D-59494 Soest
Telefon + 49 2921 / 69-870
Telefax + 49 2921 / 69-617
Internet http://www.ceag.de
E-Mail Info-n@ceag.de