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Introduction

With the Energy management Control (EMC) we have made software which supports analysis of your energy consumption and allows you to optimize your energy consumption.

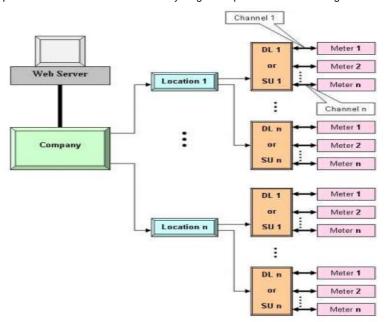
Data from the meter (e.g. electricity meters, water-meter) are intermediately stored in devices. EMC reads these devices independently and stores the data for analysis and provides the results in a web based interface. The results are represented in simple and understandable form and can be

A) Shown on a PC

B) Shown on an intranet (company network)C) shown worldwide over the internet

The unique architecture of EMC offers even a worldwide service at which a Provider authorized for this, selects from the data loggers and provides on protected web sites for the customers the energy consumption. The customer needs no software installations in this case and accesses his consumption information from a Web browser (e.g.

Internet Explorer). With EMC you can bring your energy consumption information together from several locations. The number of the locations and data logger isn't restricted. The program also can be adapted to new devices any time. Following is a graphic which shows the resemble every single component in the following:



Minimum System Requirements

Server Workstation

Hardware:

Dual Core or Higher 2GB RAM 10GB free on hard disk

Software:

Windows7 32bit or 64bit Internet Explorer 8 or 9 or Mozila Fire Fox j2sdk 1.6.0 or Higher MySQL 5.1.44 or Higher Tomcat 5.0.19 or Higher

Browser Settings

1. Select Tool -> Internet Options

Edit View Favorites	ook Help	
¢nevτab ∕hat c	Delete Browsing History Ctrl+Shift+Del InPrivate Browsing Ctrl+Shift+D Disgnoon Connection Problems Reopen Last Browsing Stasien	
Reopen closed tat	InPrivate Filtering Ctrl+Shift+F InPrivate Filtering Settings	InPrivate
View tabs that you've d	i de se oucour	without storing data about your browsing Browsing withdow Browsing withdow
Reopen Last Browsing 1	Compatibility Wew Compatibility Wew Settings	erator *
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	Developer Tools FL2	
	Internet Options	th Bing
Learn more about tabs an	d tab shortcuts, Accelerators, and InPrivate Browsing	

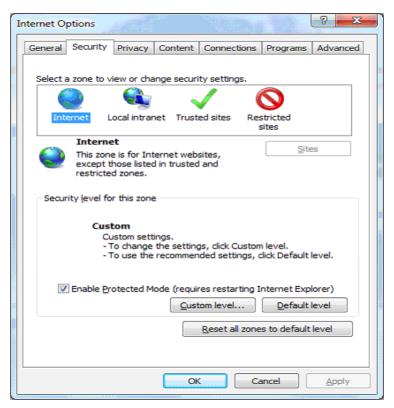
2. It will open below pop-up window.

Internet Options
General Security Privacy Content Connections Programs Advanced
Home page
To create home page tabs, type each address on its own line. http://google.com/
Use <u>c</u> urrent Use de <u>f</u> ault Use <u>b</u> lank
Browsing history
Delete temporary files, history, cookies, saved passwords, and web form information.
Delete browsing history on exit
Delete Settings
Search
Change search defaults. Settings
Tabs
Change how webpages are displayed in Settings tabs.
Appearance
Colors Languages Fonts Accessibility
OK Cancel Apply

- 3. Click on Browser History Settings. It will open below pop-up window.
 Select option Every time I visit the webpage.
 Click on OK to confirm

Temporary Internet Files and History Settings
Temporary Internet Files Internet Explorer stores copies of webpages, images, and media for faster viewing later.
Check for newer versions of stored pages: Every time I visit the webpage Every time I start Internet Explorer
○ <u>A</u> utomatically ○ <u>N</u> ever
Disk space to use (8-1024MB) 155 → (Recommended: 50-250MB)
Current location: C: \Users \Hiten \AppData \Local \Microsoft \Windows \Temporary Internet Files \
Move folder View objects View files
History Specify how many days Internet Explorer should save the list of websites you have visited.
Days to keep pages in history: 20 -

4. Select Security tab on pop-up window as shown below.

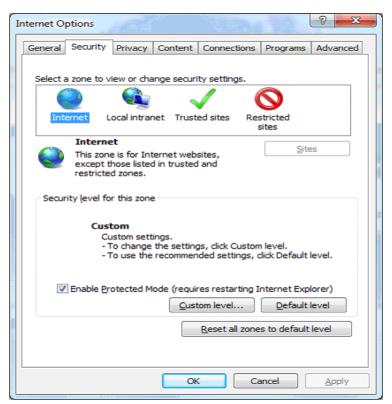


 Select Custom level.. option. It will open pop-up as shown below. Find out Downloads section .
 Select 'Enable' option for Automatic prompting for file Downloads .
 Select 'Enable' option for File download

Settings	
Enable	~
Prompt	
🛃 Downloads	
Automatic prompting for file downloads	
Disable	
Enable	
📑 File download	
O Disable	
Enable	
🛃 Font download	
Disable	
Enable	
Prompt	
Enable .NET Framework setup	
Disable Epable	-
Constant in the second se	•
*Takes effect after you restart Internet Explorer	
Reset custom settings	
Reset to: Medium-high (default)	Reset
(
OK	Cancel

3) Scroll down to end, and select 'Disable' option in Enable XSS filter.4) Click on OK to confirm.

6	Disable	Ε.
6	 Enable 	î
er e	Enable XSS filter	
	Disable	
	© Enable	
<u>s</u>	Scripting of Java applets	
	🔘 Disable	
(Enable	
(Prompt	
	r Authentication	
SS 1	Logon	
6		
	Anonymous logon	
	 Automatic logon only in Intranet zone 	
	 Automatic logon only in Intranet zone Automatic logon with current user name and password 	
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() () Takes ef	Automatic logon only in Intranet zone Automatic logon with current user name and password Prompt for user name and password III Ffect after you restart Internet Explorer om settings	
() • • Takes ef	Automatic logon only in Intranet zone Automatic logon with current user name and password Prompt for user name and password III Ffect after you restart Internet Explorer	



CONSORTIUM

EMC can be used as a business and release version of a consortium of several independent companies (activation of the license file). The consortium is the generic term for all companies.

Name and address of the consortium's data comes from the license file and can not be changed by the user.

The color setting for the graphics, the general definition of the read-out times can be specified once. They are inherited by all subcompanies and data logger. However, you can individually be changed there.

🗮 🛔 emc	Consortium - Detail	29-08-2012 10:09:59
Short Name*	Camille B AG Picture :	
Consortium Name*		
Street	Aargauerstrassë 7	
Country-Zip-Town	CH 5610 Wohlen	
Country	Schweiz	
Contact Person		
Email Telephone No.	aßc@ymail.com 141515151	
Fax No.	1415151515	
Graphic Colors		
Schedule	Tariff10 Tariff11 Tariff12 @ 00.15	
		Modified By - emc, 21-08-2012 11:28:08
Properties :		
Short Name :	Short name that is used in EMC. (30char	acters)
Picture :	Here a picture of the consortium will be c using browse button (JPG, GIF).	lisplayed.Image can be select
Consortium Name :	Long Name of the consortium for more Ir	nformation.
Consortium Name 2	: Long Name of the consortium for more Ir	nformation.
Street :	Street.	
Country-Zip-Town :	Country code, e.g. "D" for Germany	
Zip Code :	ZIP code	
Town :	Town	
Country :	Country	
Contact Person :	Name	
Email :	Email address of contact person.	
Telephone No. :	Telephone number of the contact person	
Fax No. :	Fax no. the contact person.	
Graphic Colors :	Used for colors to appeara on graphics.T rates and channels.	hey distinguish different tariff
Schedule :	You can specify the users overall reading time, a window opens to select the time.	g times. A click on the schedule

COMPANY

COMPANY OVERVIEW

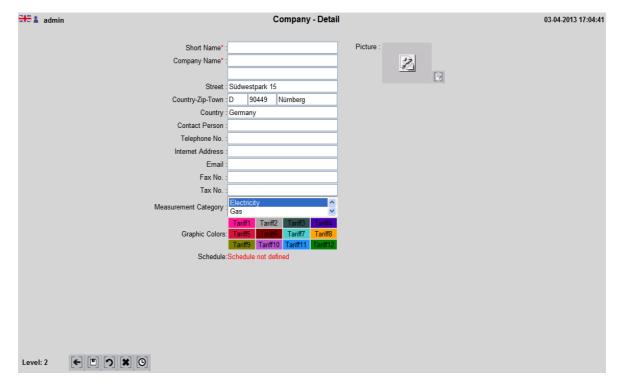
Here all defined companies will be displayed. The user can create new company (as Activations in the license file) by double clicking in the name of a company to view, modify or delete. Using the Summary Screen: See the general description.

Short Name 1 Company Name Town Contact Person Telephone N CB CB Berlin Image: CB CB Berlin Image: CB	-04-2013 17
CB CB G Numberg CBG CBG Berlin GMC-Germany GMC-Germany Hamburg Level: 1 	
CBG CBG Berin GMC-Germany GMC-Germany Hamburg Level: 1 Image: Company in the second	No.
GMC-Germany GMC-Germany Hamburg Level: 1 € € € Short Name of company, which is used in EMC. Company Name : Long name for more information. Town : Location of the company. Contact Person : Name.	
Level: 1 Image: 1 operties: Image: 1 Short Name : Short name of company, which is used in EMC. Company Name : Long name for more information. Town : Location of the company. Contact Person : Name.	
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Short Name :Short name of company, which is used in EMC.Company Name :Long name for more information.Town :Location of the company.Contact Person :Name.	
Town :Location of the company.Contact Person :Name.	
Town :Location of the company.Contact Person :Name.	
Contact Person : Name.	
Telephone No.: Telephone no. the contact person	

COMPANY

Each company has its own master data. The company is the generic term for all settings of a company. Actions are strictly performed separately for each company.

In the consortium version, the user "Admin" can enter the company data itself. For all other versions of a company, the consortium of companies provide the same information and information come from the license file (name, address, tax no. can not be changed by the user).



Picture :	Here a picture of the company will be displayed.Image can be select using browse button(JPG, GIF).
Short Name :	Short name that is used in EMC (15 characters)
Company Name :	Long Name of the company for more information
Company Name2 :	Long Name of the company for more information
Street :	Street.
Country-Zip-Town :	Country code, for example "D" for Germany
Zip Code :	ZIP code
Town :	Town
Country :	Country
Contact Person :	Name
Telephone No. :	Telephone no. of the contact person
Internet Address :	Home page of the company
Email :	Email address of contact person
Fax No. :	Fax no. of the contact person
Tax No. :	Tax number of the company
Measurement Category :	Determine which types of energy is used in this company
Graphic Colors :	Used for colors to appear on graphics. They distinguish different tariff rates and channels.
Schedule :	You can specify the users overall reading times. A click on the schedule time, a window opens to select the time

LOCATION

LOCATION OVERVIEW

A company can have several locations where there are offices or factory buildings. These can be defined here in order to graphics, reports, etc. to allow for easier selection.

In the event that a company has only one location, the address information of the location identical to the address information the company.

The overview screen lets you select for display, modification and deletion of location as well as the reconstruction of the Locations.

🗮 🛔 admin			Location	- Overview			03-04-2013 17
Company All	v						
Cor	mpany†	Location	Description	Street		Contact Person	Telephone N
СВ		Nürnberg	Nürnberg	Thomas-Mann-Str.16-20			
CBG		Berlin	Berlin	Krausnickstr. 12 A			
GMC-Germany		Hamburg	Hamburg	Axel-Springer-Platz 1			
	(+) ×			All	∨ ∯4	1 🐗 🖣 1	▶₩ 1 1-3(3) 扇
Level: 1				ľ		1≪ ≪ 1	▶₩ 1 1-3(3) 👼
	Compan	-		Company (key field)	1≪≪ 1	▶▶ 1 1-3(3) 局
	Compan Location	1:	Town r	Company (key field	l) 1	1≪ ∢ 1	▶▶ 1 1-3(3) 扇
	Compan Location Descript	1:	Town r Short c	Company (key field name or the location lescription of the loc	l) 1	1≪I≪ 1	▶ ▶ 1 1-3(3) 👼
	Compan Location Descript Street :	ion :	Town r Short c Street.	Company (key field name or the location lescription of the loc	l) 1	1 🐗 🛋 1	▶₩►1 1-3(3) 👼
	Compan Location Descript Street : Contact	ion : Person :	Town r Short c Street. Name.	Company (key field name or the location lescription of the loc	l) 1	1≪€ 1	▶ I 1-3(3) ₿
	Compan Location Descript Street :	ion : Person : ne No. :	Town r Short c Street. Name.	Company (key field name or the location lescription of the loc	l) 1	1≪I < 1	▶ ▶ 1 1-3(3) 👼

LOCATION - DETAIL

Use this screen to enter details of the locations. Most fields can be filled or be left blank

admin	Location - Detail	03-04-2013 17:08:34
Short Name*		
Description :		
Company*	GMC-Germany	
Street	Axel-Springer-Platz 1	
Country-Zip-Town	D 20350 Hamburg	
Country :	Germany	
Contact Person :		
Email		
Telephone No. :		
Fax No. :		
Schedule :	Schedule not defined	

Level: 2

Short Name :	Short name of the location (used in EMC).
Picture :	Here a picture of the location will be displayed. Image can be select using browse button (JPG, GIF).
Description :	Any description
Company :	Select Company (key field)
Street :	Street.
Country-Zip-Town :	Country code, e.g. "D" for Germany
Zip :	Zip Code
Town :	Town
Country :	Country
Contact Person :	Name.
Email :	Email address of contact person
Telephone No. :	Telephone no. the contact person
Fax No. :	Fax no. the contact person
Schedule :	You can specify the users overall reading times. A click on the schedule time, a window opens to select the time

SUMMATOR-DATA LOGGER

SUMMATOR-DATA LOGGER OVERVIEW

Data loggers store the meter readings / consumption of the connected meters at specified minute intervals. The data are then read by EMC at specific times from the data logger and stored as historical data in database tables.

The table shows all defined data logger in the company structure (company / Location / data logger). It allows to define new datalogger and to modify or delete existing datalogger.

Company All	Type All	Access Via	a All 🗠	<u> </u>		
Location All	✓ Model All	~				
Companyt	Location↑	Device Name	Туре	Мо	odel	Access Via
СВ	Nürnberg	DL-SC1	SMARTCONTROL	U200A		TOMP
CBG	Berlin	Geb. 14	Summator	U 1601		
GMC-Germany	Hamburg	SU-DL1	Summator	U 1601		
GMC-Germany	Hamburg	SC-DL1	SMARTCONTROL	U200A		TOMP
GMC-Germany	Hamburg	TestSL	SmartLogger	U201A-Ethernet		TOMP
				AU		
	€ [+] [) [¥]			All 💌 🏘	1 🐗	【◀ 1 ▶▶ 1 1-5(5) 👼
Level: 1			Company (Key		14	【◀ 1 ▶ा 1-5(5) 👼
	Company :		Company (Key	/ Field)	14	【◀ 1 ▶ा 1-5(5) 👼
	Company : Location :		Location (Key	/ Field)	1 ◀	【◀ 1 ▶ 🕪 1 1-5(5) 👼
	Company : Location : Company :		Location (Key Company	/ Field)	1≪	【◀ 1 ▶▶ 1 1-5(5) 🗿
	Company : Location : Company : Location :		Location (Key Company Location	/ Field) Field)	1 ৰ	【◀ 1 ▶ ⊯ 1 1-5(5) 👼
	Company : Location : Company : Location : Device Name :		Location (Key Company Location Name of the da	/ Field) Field)	1 ◀	【◀ 1 ► I 1 - 5(5) 👼
	Company : Location : Company : Location : Device Name : Type :		Location (Key Company Location Name of the da Type	/ Field) Field) ata logger	1 ◀	【◀ 1 ▶ा 1-5(5) 👼
	Company : Location : Company : Location : Device Name : Type : Model :		Location (Key Company Location Name of the da Type Type of data lo	r Field) Field) ta logger gger		
	Company : Location : Company : Location : Device Name : Type :		Location (Key Company Location Name of the da Type Type of data lo	r Field) Field) ata logger gger mection used to ranet / Internet) ice (COM port) ioh a SU160x SU	access the d	lata logger
	Company : Location : Company : Location : Device Name : Type : Model :		Location (Key Company Location Name of the da Type Type of data lo Type of the cor 1) TCP / IP (Int 2) Serial interfa 3) access throu	r Field) Field) ata logger gger mection used to ranet / Internet) ice (COM port) ioh a SU160x SU	access the d	lata logger
	Company : Location : Company : Location : Device Name : Type : Model : Access Via :		Location (Key Company Location Name of the da Type Type of data lo Type of the cor 1) TCP / IP (Int 2) Serial interfa 3) access throu 4) modem corr	r Field) Field) ata logger gger mection used to ranet / Internet) ice (COM port) ioh a SU160x SU	access the d	lata logger

SUMMATOR/DATA LOGGER - DETAIL

This screen details are set for the data logger manufacturer, the data logger type, device name and the company structure (company / location) integrated.

After selecting the manufacturer and type of access will change the lower part of the screen and only required fields are displayed for the appropriate selection.

It should always be read all data from all meters for each reading interval and be stored. Some devices of a data logger can not be selected.Nominated by the upper hierarchy structures (consortium, company, location) here can vary the readout time is set for this device.

This screen can also be defined that meter reading is to be read from a text / csv file by selecting the manufacturer.

admin admin	Summator/Data Logger - Detail	03-04-2013 17:11:34
Company*	GMC-Germany Picture :	
Location*		
Device Name*	-Select-	
Description		
Туре*	: U170 💌	
Model*	Select	
Station Name*		
Station Id*		
Password		
Readin Interval*	15 min 💌	
Access via*		
IP Address*		
Port No*		
Schedule	Schedule not defined	
Level: 2 🗲 🗉 🍞 🗶 🎯		

Company :	Select Company (key field)
Location :	Select Location (key field)
Device Name :	Name of the data logger
Description :	Any Description
Туре :	Name of the data loggers manufacturer or selection of data entry via a file
Model :	Model of the data logger
Station Name :	Station name of the data logger
Station Id :	It is necessary to enter station ID in order to access data in data logger (Note: the station id must be same as Data logger ID programmed in the data logger.)
Password :	Password of the data logger (if any)
Reading Interval :	Every 5 minutes / 15 minutes or at specified times
Access via :	1) TCP / IP 2) Master (SU160x head-end) 3) Serial communication (COM-Port, RS232) 4) Telephone / Modem
Port :	Port Standard = COM
COM Port No. :	COM Port No. of the PC
Baud Rate :	Baud rate default = 9600
Data Bits :	Data bits = 8 standard
Parity :	Parity bit default = None
Stop Bits :	Stop bit standard = 1
Flow Control :	Standard=XON/XOFF
Telephone No :	Telephone no. is to be enter
Modem Command :	Modem command must be send to the modem before dialing
IP Address :	IP address of the device, optionally, TCP / IP Converter
Port No :	Port no.

Parent Data Logger :	If the data logger is in slave mode it is required to define the master data logger as parent data logger
OPC-Features :	OPC Features: - DA-Realtime Graph Only - DA-Realtime with storage - HDA-Historical Data
EMC Server Drive :	EMC Server Drive
Folder Path :	Directory path for the file to be save
File Name :	Name of the file.
Data Interval :	Data Interval: 1) 1 Minutes 2) 5 Minutes 3) 15 Minutes 4) Hourly
Decimal Format :	Decimal format ("." Or "," for example, 5.86 or 5.86)
Field Separator :	Field-separator ("," or ";") e.g. Field1, Field2, Field3, Field4 Field1; Field2; Field3: Field4
Consumption :	File-values ("consumption" or "Meter Reading")
Reading Type :	- Reading type (columns or by rows) - Line by Line: 96 values in a row with date - By Column: The row with a value date - time
Reading DateTime :	Read Date Time: reading date - time in one column and separated into two
Time Rounding :	Time Rounding
Reading Date Format :	Select the format e.g. "01/01/2012" or "01:01:12"
Data Start Line :	Start line for data
Schedule :	You can specify the users overall reading times. A click in the readout time the window opens to select the times.
Input Data Interface Configuration :	Data entry configuration: columns: Name, selection, column no. Column no. specifies the column in which the corresponding field in the entry is found. Company: Company (key field) Location: Location (key field) Data loggers: Data logger (key field) Channel: Instead of the channel as an alternative, Channel nfo1 or Channel info2 of the channel can be found. Reading date and time Consumption: Consumption in the interval
Picture :	Here a picture of the data logger will be displayed.Image can be select using browse button (JPG, GIF).

CHANNEL

CHANNEL OVERVIEW

As channels are designated to meters. The summary screen shows all the existing meters and is used for construction of new channels to choose from existing counters to view, edit, or delete.

🗮 🌡 admin				Chann	el - Overview			03-04-20	13 17:13:13
Company All	~	Summator/Data	Logger All	🖌 Su	pplier Flag All	~			Z A
Location All	~	Measurement Ca	ategory All	~					
Company† 1	Location 1 2	Summator/Data	Channel Name	Channel No	Program Id	Description	Measurement Category	Supplier Channel	Status
СВ	Nürnberg	DL-SC1	CB-DL-29	29	2.00	CB-DL-29	Electricity	<	۲
СВ	Nürnberg	DL-SC1	CB-DL-30	30	-	CB-DL-30	Electricity	-	
СВ	Nürnberg	DL-SC1	CB-DL-31	31	-	CB-DL-31	Electricity	-	۲
CBG	Berlin	Geb. 14	DL 24/001	1	-	DL 24/001	Electricity	-	۲
CBG	Berlin	Geb. 14	DL 24/002	2	-	DL 24/002	Electricity	-	۲
CBG	Berlin	Geb. 14	DL 24/003	3	-	DL 24/003	Electricity	-	۲
CBG	Berlin	Geb. 14	DL 24/004	4	-	DL 24/004	Electricity	-	۲
CBG	Berlin	Geb. 14	DL 24/005	5	-	DL 24/005	Electricity	-	۲
GMC-Germany	Hamburg	SC-DL1	St-SC-25	401	-	St-SC-25	Electricity	✓	۲
GMC-Germany	Hamburg	SC-DL1	St-SC-26	26	2.00	St-SC-26	Electricity	-	۲
GMC-Germany	Hamburg	SC-DL1	St-SC-27	27	2.00	St-SC-27	Electricity	-	۲
GMC-Germany	Hamburg	SC-DL1	St-SC-28	402	-	St-SC-28	Electricity	✓	
GMC-Germany	Hamburg	SC-DL1	St-SC-32	32			Electricity	-	۲
GMC-Germany	Hamburg	SC-DL1	St-SC-1	1			Electricity	-	۲
GMC-Germany	Hamburg	SU-DL1	St-SU-1	1		St-SU-1	Electricity	-	۲

Level: 1 (+) () 🖹

Properties :

Company :	Company Name
Location :	Location name
Summator/Data Logger :	Data Logger name
Channel Name :	Channel name
Channel No :	Channel No
Program Id :	Program Id
Description :	Any description
Measurement Category :	Measurement Category
Supplier Channel :	Displays whether the channel is supplier or not.
Status :	Status
Company :	Company
Location :	Location
Summator/Data Logger :	Summator/Data Logger
Measurement Category :	Select one approved energy-type for this company
Supplier Flag :	Supplier Flag: - Supplier - Non- Supplier

All

<mark>~</mark> 44

1 📢 🚽 1 🕨 🕪 1 1 - 15(15) 👼

CHANNEL - DETAILS

Display all information stored In the channel that are needed to counter values in the required form for later process and to be able to view.

To identify a channel four unique information from the company structure is required: company, location,Data Logger and channel name.

You can also see under "EMC General" Notes on the Smart Control

🚟 🌡 admin	Chann	el - Details	03-04-2013 17:15:34
Company* :	GMC-Germany	Picture	
Location* :	-Select		2
Summator/Data Logger* :			
Exchange Channel :			
Channel* :	Select	Measurement Category*	Select
Program Id :		Supplier Channel	○ Supplier ○ NonSupplier
Channel Name* :		Status	 O Active ○ InActive
Description :		Correction Factor*	1.00
	<u> </u>	Input Scaling*	×
Channel Info1 :	2 2	Pulses per Input Unit*	1
Channel Info2 :		Output Scaling*	<u> </u>
Colligation Date :	<u>M</u>	Storage Period(Days)	
Calibration Date :		1	
Level: 2 🗲 🛡 🅥 🗶			
Properties :			
Company :	Selec	t company (key field)	
Location :	Selec	t location (key field)	
Summator/Data Log	jger: Selec	t data logger (key field)	
Exchange Channel	: Selec assign	t existing channel.This entry ned from the sample channe	is simplified, as the most data are pre- l
Channel :	Selec	t a free channel no. to this da	ata logger
Program Id :	Speci	fies the Program ID	
Channel Name :	overw XX-Y XX 2 YY 2	ame of the channel is autom rritten by the user: Y-ZZ characters of the site characters of the data logge nannel no.	atically suggested and can be r
Description :	Any d	escription	
Channel Info1 :	Any c later	hannel information of the use	er. This information can be analyzed
Channel Info2 :	Any c later	hannel information of the use	er. This information can be analyzed
Calibration Date :		on which the meter will be ca	
Picture :		nel Logo or image of meter in e window.	nstalled can be uploaded here using
Measurement Categ	-		of this company for the meters.
Channel Class :		e energy / Reactive energy	
Active Channels :		Channels	
Supplier Channel :	chanr Suppl	iel carries information about ier - This can be more than o	umption is for internal use or the supplier. one channel for a given location. energy consuming channels.
Status :	Active	Channel/InActive Channel	
Correction Factor :		ersion ratio Fransformer ratio of 1:20, the	en the factor = 20
Input Scaling :	Unit, i	n which the values come fro	m the meter

Pulses per Input Unit :

Output Scaling :

Storage Period(Days) :

For data logger to sum the pulses that will account for one unit of consumption.

Number of days, the reding ​​to be stored. e.g. "30" - values ​​will be deleted after 30 days. The value "0" means infinite storage

Output Scaling

ELECTRO PARAMETER

ELECTRO PARAMETER OVERVIEW

In this screen, all defined electrical parameters for electricity meters are shown. E.g. Amps, Volts, Power Factor.

Parameters are applies to the meters which are connected to the Smart Control: These can be display in a real-time graphics.

In preparation: These values can be stored as historical data for a short time.

This screen is used for new construction of electrical parameters, double click on electrical parameters to display, modify and deletion.

Company All Location All Company1 Location 1 SMC-Germany Hamburg SMC-Germany Hamburg SMC-Germany Hamburg	Electro	o Parameter - Overview	I	03-04-2013 17:2
Company1 Location 1 SMC-Germany Hamburg SMC-Germany Hamburg Level: 1 +) * Derties : Location : Summator/DataLo Channel : Location : Location : Location : Summator/DataLo	ogger All	~		7
MC-Germany Hamburg MC-Germany Hamburg MC-Germany Hamburg Level: 1 • Horis I Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo	annel All	*		
MC-Germany Hamburg Level: 1	Summator/DataLogger†	Channel	Parameter Name	Description
Level: 1 • + • • • Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo	SC-DL1	St-SC-25	Active Energy	
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo	SC-DL1	St-SC-26	Active Power	
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo				
Derties : Location : Summator/DataLo Channel : Company : Location : Summator/DataLo		All	✓ ĝĝ	1≪1<1 ▶▶▶ 1 1-2(2) 尋
Location : Summator/DataLo Channel : Company : Location : Summator/DataLo		7 11	a.a	1 44 4 1 P PP 1 1 - 2(2) 109
Summator/DataLo Channel : Company : Location : Summator/DataLo	1	_ocation (Key field)		
Channel : Company : Location : Summator/DataLo		Summator/DataLog		
Company : Location : Summator/DataLo		Channel (Key field)		
Location : Summator/DataLo		Company		
Summator/DataLo		_ocation		
		DataLogger		
		Channel		
			a stars d in Constant	Control
Parameter Name : Description :			is stored in Smart (on, e.g. "Ah, Phase	

ELECTRO PARAMETER - DETAIL

In the channel screen all information is stored that is needed to view and use meter readings in the required form.

To identify a channel / meter unambiguously 5 Information from the business structure is required: company, location, data logger, channel name and parameter name.

This functionality applies only to the Smart Control. Also see under "EMC General" Notes on the Smart Control

🗮 🛔 admin	Electro	Parameter - Detail	03-04-2013 17:21:51
	Company :	GMC-Germany	
	Location :	Hamburg 🛛	
	Summator/DataLogger :	SC-DL1	
	Channel :	St-SC-25 [St-SC-25]	
	Program ID* :	0 00	
	Parameter Name* :		
	Parameter Description :		
	Output Unit :		
	Storage Period(Days) :	0	

Level: 2

(+ E) (X)

Select Company (key field)
Select Location (key field)
Select data logger (key field)
Select channel name (key field)
Channel No
Program the Smart Control with parameters number with fraction
Program ID (fractional part)
Parameter Name from the Smart Control
Any description, e.g. "Phase 1 ampere"
Unit, which will be displayed in the graph
Number of days, as long as the values to be stored. e.g. "30" - values will be deleted after 30 days.The value "0" means unlimited storage (currently in progress)

HISTORICAL GRAPH

Consumption values which were previously read from the data logger and stored can be graphically display. For the graphic display two screens are there:

1) The selection screen, with the selection screen, the user controls which meter data they want to see and in what form. 2) The display screen, the selected graphic is shown here. Selected display formats can be modified directly in this screen

The user can always switch between two screens and redefine its selection or correct or change the appearance. Switching between the two screens is done by clicking the black arrow in the upper left screen area.

There are a number of different graphic shapes to choose from, however, is to note that not every graphical representation for all forms of selection makes sense. In these cases, the graphic symbols are locked.

In order to display graphics, steps are as follow.

- 1) Selecting one or more channels
- 2) If necessary. Select the desired graphic display (default: bar graph)
 3) If necessary. Selection of additional functions, such as graph type, grid lines, date comparison.
 4) Select the date

General notes:

- 1) Multiple selections are possible e.g. multiple selections of channels are possible by Control + click (Windows feature).
- 2) The graph always starts with the smallest unit of the selected channels. For E.g. Selected channels are available for 5 minutes value. Zooming is possible in the display screen.

leasurement Category :	Location :	Chann	el ·											
All	All	St-SC		St-SC	-251					~	-Select			_
Electricity	Hamburg			St-SC						Ĥ				
Gas	Nürnberg	St-SC	C-27 [St-SC	-27]									
Nater	Berlin 🛛 🖌	St-SC												
	Summatar/Data Langar			CB-D						=				
ompany : Al	Summator/Data Logger :			CB-D										
GMC-Germany	All All	St-SC		CB-D	L-31]									
CB	DL-SC1			ı t-SU-'	11									
CBG	SU-DL1				4/001]									
	Geb. 14 💌									~				
Graph Type :	Date Selection :													
Consumption	 Fixed 	<	Ap	oril	>	< 2	2013	>						
🔾 Load	Relative	14/1-	_	_	-			_						
🔾 Only Plan Data		VVK												
Grid Lines		Мо	_	We		_	Sa	_						
		1	2	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	Z						
Date Comparison		<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>						
Flexible Date		<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>						
		<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>						
Flexible Date Time		<u>29</u>	<u>30</u>											

Measurement Category :	Select one or more energy types
Company :	Select one or more company
Location :	Select one or more location
Summator/Data Logger :	Select one or more data logger
Channel :	Select one or more channels
Electro Parameter :	In prepration
Graph Type :	1) consumption (Time interval, e.g. 15 minutes) 2) load speed (Time interval, e.g. 15 minutes) 3) Only schedule data for this channel
Date Selection :	Date Selection
Grid Lines :	If checked, grid lines will be shown in the background
Date Comparison :	Second window is displayed to select a date, one channel compared to two days; this is not possible when multiple channels are selected
Date Type :	Date Type
show_date :	This is used to select the date / month and year for which graphic need to be seen.
show_date1 :	This is used to select the date / month and year for which graphic need to be seen.
Flexible Date :	Flexible Date
Flexible Date Time :	Flexible Date Time

COMPANY GRAPH

COMPANY GRAPH OVERVIEW

Here you get to see the information about Personal Graph. The main information like, Personal graph name and Graph Type etc...

			Company	Tranh			03-04-2013 17
Company All	✓ Graph Interva		Company (біаріі			00 01 2010 11
Chart Type All	v Graph Interva						
	ompanyt		Personal Graph Name		Chart Type	9	Graph Interval
-		kVBar			Stacked Vertical Bar		15 Min
-	Test	Graph			Stacked Vertical Bar		15 Min
	Tariff	Graph			Stacked Vertical Bar		15 Min
GMC-Germany	QWE	:			Stacked Vertical Bar		15 Min
GMC-Germany	Test-	Comment			Stacked Vertical Bar		15 Min
Level: 1	(+) () [*]			All	<mark>.∞</mark> }4%, 1	1≪ < 1 ▶	▶ ▶ 1 1-5(5) 👼
Level: 1 (←)	[+] [J] [¥]			All	<mark>.</mark> #\ 1	1≪ < 1 ▶	▶ ▶ 1 1-5(5) 👼
	+) * Company :		Company		<mark>⊻</mark> ¢% 1	1≪≪ 1 ▶	▶ ▶▶ 1 1-5(5) 👼
		Name :		,	<mark>⊻</mark> M 1 as assigned by the u		▶ ▶▶ 1 1-5(5) 👼
	Company :	Name :		, name that w			▶ 🍽 1 1-5(5) 👼
	Company : Personal Graph I	Name :	Graphic r	hame that w			▶ 🍽 1 1-5(5) 👼
	Company : Personal Graph N Chart Type :	Name :	Graphic r Chart Typ	name that w be n, 15 min			▶ ▶ 1 1-5(5) 👼
	Company : Personal Graph I Chart Type : Graph Interval :	Name :	Graphic r Chart Typ E.g. 5 mir	hame that w be n, 15 min			▶ 🍽 1 1-5(5) 👼

HISTORICAL GRAPH

Consumption values which were previously read from the data logger and stored can be graphically display. For the graphic display two screens are there:

1) The selection screen, with the selection screen, the user controls which meter data they want to see and in what form. 2) The display screen, the selected graphic is shown here. Selected display formats can be modified directly in this screen

The user can always switch between two screens and redefine its selection or correct or change the appearance. Switching between the two screens is done by clicking the black arrow in the upper left screen area.

There are a number of different graphic shapes to choose from, however, is to note that not every graphical representation for all forms of selection makes sense. In these cases, the graphic symbols are locked.

In order to display graphics, steps are as follow.

- 1) Selecting one or more channels
- 2) If necessary. Select the desired graphic display (default: bar graph)
 3) If necessary. Selection of additional functions, such as graph type, grid lines, date comparison.
 4) Select the date

General notes:

- 1) Multiple selections are possible e.g. multiple selections of channels are possible by Control + click (Windows feature).
- 2) The graph always starts with the smallest unit of the selected channels. For E.g. Selected channels are available for 5 minutes value. Zooming is possible in the display screen.

All Al Electricity Ha Gas Ni	JI 🔼	Channel St-SC-2		251		_		 			
Electricity Ha Gas Ni				7-Z J				× .	Select		
		St-SC-2	6 [St-S0								
Mator R		St-SC-2									
vvaler De		St-SC-2						_			
company: Su		CB-DL-2						=			
All Al		CB-DL-3 CB-DL-3									
		St-SC-3		JL-5 IJ							
		St-SU-1		.11							
		DL 24/0									
G		DL 24/0						~			
Consumption Consumption Load	ate Selection :) Fixed) Relative		<u>April</u> 1 W2	≥ W3		2 <u>013</u> W5	_				
○Only Plan Data		Mo T				Sa	_				
Grid Lines		1 2		4	5	6	Z				
Date Comparison		8 9	_	11	_	-	14				
		<u>15</u> 1		18	_	-	21				
Flexible Date		22 2	_		_		28				
Flexible Date Time				25	20	21	20				
		<u>29</u> <u>3</u>	2								

Measurement Category :	Select one or more energy types
Company :	Select one or more company
Location :	Select one or more location
Summator/Data Logger :	Select one or more data logger
Channel :	Select one or more channels
Electro Parameter :	In prepration
Graph Type :	1) consumption (Time interval, e.g. 15 minutes) 2) load speed (Time interval, e.g. 15 minutes) 3) Only schedule data for this channel
Date Selection :	Date Selection
Grid Lines :	If checked, grid lines will be shown in the background
Date Comparison :	Second window is displayed to select a date, one channel compared to two days; this is not possible when multiple channels are selected
Date Type :	Date Type
show_date :	This is used to select the date / month and year for which graphic need to be seen.
show_date1 :	This is used to select the date / month and year for which graphic need to be seen.
Flexible Date :	Flexible Date
Flexible Date Time :	Flexible Date Time

COMPANY REALTIME GRAPH

COMPANY REALTIME GRAPH OVERVIEW

Personal graphics are graphics that can create a unique user, to be able to retrieve data on a regular basis. If the graph is created, the selection criteria will be eliminating.

This s immediately.

Thi	s screen sh	ows all the pre-created,	personal graphics. Dou	ble clicking on one	e line, the graphic is di	splayed immediately.
Del 1) S 2) I	eting a Pers Select the g n the displa	sonal Graphics: raphic with the help of th y screen, click on the de	e overview screen lete button			
	🚟 🌡 emc		Company I	RealTime Graph		29-08-2012 11:12:08
	Company A	II 💌				ž I
	Companyt		ime Graph Name		Graph Type	
		TËST-1		LINE		
	Level: 1		All		<mark>.</mark> ₩ 1 ≪ 1	▶ ▶▶ 1 1 - 1(1) 👼
Pro	perties :					
		Company	Com	0001		

Company : Company Personal RealTime Graph Name : Graphic name that was assigned by the user Graph Type : For example Lines, range Company : Company

REALTIME GRAPH

In contrast to the historical images that rely on previously stored values, in the real-time graphics, the values obtained from meters up to date (via the data logger) and displayed.

The real-time graphics are always for the additional electrical parameters that must be previously defined in the company structure.

This includes two screens: 1) The selection screen

- With the selection screen, the user controls which meter data they want to see
- 2) The display screen
 - Here, the selected graphic displays

The user can always switch between two screens and correct the selection or include additional parameters in the graphic. It can display up to 4 parameters in one screen. Switching between the two screens is done by clicking the black arrow in the upper left screen area

General notes: 1) A multiple-selection of more than one parameter is not possible. The user can have only one parameter to include in the graph. 2) The real-time graphics is only for the Smart Control.

admin		RealTime Graphics		03-04-2013 17:50:33
Measurement Category : Electricity Gas	Location : Hamburg	Channel : St-SC-25 [St-SC-25]	Electro Parameter : Active Energy[]	_
Water		St-SC-26 [St-SC-26] St-SC-27 [St-SC-27] St-SC-28 [St-SC-28] St-SC-32 []		
Company : GMC-Germany CB CBG	Summator/Data Logger : SC-DL1 SU-DL1	St-SC-1 []		

Properties :

Measurement Category :	Select one, several or all of energy types
Company :	Select one, several or all of the company
Location :	Select one, several or all locations
Summator/Data Logger :	Select one, several or all of the data logger
Channel :	Select one or more channels
Electro Parameter :	Selection of an electrical parameter

HISTORICAL REPORT

Reports always worth the previously reading of consumption from the data loggers There are the following report types:

- Time, manual reports
 Periodic reports (may be considered "Personal Reports" are filed)
 Automatic reports (scheduled to be created)

The reports can be created in various forms of output, e.g. as XLS, PDF.

Examples of the different areas that can be created with this selection screen are included in the appendix of the printed manual.

🗄 🛓 admin		Historical Report	03-04-2013 17:59:56
Measurement Category :	Location :	Shannel :Electro Parameter :	
All Electricity Gas Water Company : All GMC-Germany CB CBG	All	All	
Report T	ype : ③ Summary 〇 Detail	Action Type : ⊙ Generate File ○ Email ○ FTP	
	ype :	File Format : 🔛 🔛 🔛 🔛	
Monthly Meter Read	ling : 🗌	Report On : O EMC Server O Network	
Start Da	ate* : 01-11-2012 📅 00:*		
End D	late : 07-11-2012 📅 24:0		1
Company Report Na	ime : TC-1	File Name* : TC-1	1
		Schedule : @ 01:00	
	262		Created By - admin, 07-11-2012 11:47:37
.evel: 2 🗲 🖻 🤈	K E		Greated by - admin, 07-11-2012 11.47.57
erties :			
Measu	rement Category :	Select one or more energy types	
Compa	any :	Select one or more company	
Locati	on :	Select one or more locations	
Summ	ator/Data Logger :	Select one or more data loggers	
Chann	el :	Select one or more channels	
Electro	o Parameter :	In preparation	
Report	t Type :	1) Summary: Only total is shown 2) Detail: Interval values are shown	
Param	eter Type :	Selection: "Consumption" / "load" (Valid if only 1 channel is selected, and Rep	ort Type is "Detail")
View D	Detail :	View Detail	
Date T	ype :	Relative: "Yesterday," "Last Week", "Last mo Fixed: Select a start date up to a date to be	onth" (For recurring reports evaluated
Month	ly Meter Reading :	Monthly Meter Reading	
Relativ	ve Date :	Here what you see is done in relation to the dropdown.Dropdown is activated when the r in the radio button.Report can be generated 4 weeks and yesterday	elative date option is select
StartT	ime :	StartTime	
EndTi	ne :	EndTime	
Start D	Date :	Fixing start date to generate report of selected	ed channel
End Da	ate :	Fixing end date to generate report of selecte	d channel
Compa	any Report Name :	Specify a name under which the report is to recurring reports).	be stored in EMC (For
Action	Туре :	A file is created, an e-mail is sent. The follow XLS, PDF, CSV, HTML, DOC, TXT	wing formats are available
User G	Group :	Click the button to open user group screen a	and select the group name.
Email	Address :	Send selected formatted files to the specified	d e-mail address
• • •	st :	Subject	

Message :	E-mail text
Attachment Format :	File type: - CSV - XLS - PDF - HTML - TXT
File Format :	File Format: - PDF - XLS - CSV - HTML - DOC - XML
Report On :	Storage
EMC Server Drive :	EMC Server Drive
Folder Path :	Save selected files to specified folder path.
File Name :	Name of the file
Host Address :	Host Address
Port :	Port
User Name :	User Name
Password :	Password
Folder Name :	Folder Name
Schedule :	Here the user can define when the report should be automatic create. Click on the date to open the window to select the times.
Values :	Values

HISTORICAL REPORT

Reports always worth the previously reading of consumption from the data loggers There are the following report types:

- Time, manual reports
 Periodic reports (may be considered "Personal Reports" are filed)
 Automatic reports (scheduled to be created)

The reports can be created in various forms of output, e.g. as XLS, PDF.

Examples of the different areas that can be created with this selection screen are included in the appendix of the printed manual. _____

🗮 🛔 admin		Billing Report		03-04-2013 17:55:26
Measurement Category : All Electricity Gas Water Company : All GMC-Germany CB CBG	All Hamburg	:hannel : St-SC-25 [St-SC-25] St-SC-28 [St-SC-28] CB-DL-29 [CB-DL-29]	Electro Parameter.: Select	
Date 1 Start D End I Company Report N	lues : ⊙Maximum () Average	File Format : Report On : EMC Server Drive : Folder Path : File Name* :		
Properties :				
	rement Category :	Select one or more		
Comp	•	Select one or more		
Locati		Select one or more		
	ator/Data Logger :	Select one or more		
Chanr		Select one or more	channels	
	o Parameter :	In preparation		
Repor	t Type :	 Summary: Only to 2) Detail: Interval value 		
Param	eter Type :	Selection: "Consum (Valid if only 1 chan	nption" / "load" nnel is selected, and Report Type	is "Detail")
View [Detail :	View Detail		
Date T	ype :	Relative: "Yesterday Fixed: Select a star	y," "Last Week", "Last month" (Fo t date up to a date to be evaluate	or recurring reports) d
Month	ly Meter Reading :	Monthly Meter Read	ding	
Relativ	ve Date :	dropdown.Ďropdow	is done in relation to the selectior in is activated when the relative d Report can be generated for last r day	ate option is selected
StartT	ime :	StartTime		
EndTi	me :	EndTime		
Start I	Date :	Fixing start date to	generate report of selected chanr	nel
End D	ate :	Fixing end date to g	generate report of selected chann	el
Comp	any Report Name :	Specify a name unc recurring reports).	der which the report is to be store	d in EMC (For
Actior	n Type :	A file is created, an XLS, PDF, CSV, HT	n e-mail is sent. The following forr TML, DOC, TXT	nats are available
User (Group :	Click the button to c	open user group screen and selec	ct the group name.
Email	Address :	Send selected form	atted files to the specified e-mail	address
Subje	ct:	Subject		

Message :	E-mail text
Attachment Format :	File type: - CSV - XLS - PDF - HTML - TXT
File Format :	File Format: - PDF - XLS - CSV - HTML - DOC - XML
Report On :	Storage
EMC Server Drive :	EMC Server Drive
Folder Path :	Save selected files to specified folder path.
File Name :	Name of the file
Host Address :	Host Address
Port :	Port
User Name :	User Name
Password :	Password
Folder Name :	Folder Name
Schedule :	Here the user can define when the report should be automatic create. Click on the date to open the window to select the times.
Values :	Values

HISTORICAL REPORT

Reports always worth the previously reading of consumption from the data loggers There are the following report types:

Time, manual reports
 Periodic reports (may be considered "Personal Reports" are filed)
 Automatic reports (scheduled to be created)

The reports can be created in various forms of output, e.g. as XLS, PDF.

Examples of the different areas that can be created with this selection screen are included in the appendix of the printed manual.

🗄 🛔 admin		Meter Reading Report	03-04-2013 17:57:4
Measurement Catego	ory : Location :	Channel : Electro Para	
All	All	All -Select	
Electricity Gas	Hamburg Nürnberg	St-SC-25 [St-SC-25] St-SC-26 [St-SC-26]	
Water	Berlin	St-SC-27 [St-SC-27] St-SC-28 [St-SC-28]	
Company :	Summator/Data Logger :	CB-DL-29 [CB-DL-29]	
All GMC-Germany	All SC-DL1	CB-DL-30 [CB-DL-30] CB-DL-31 [CB-DL-31]	
CB	DL-SC1	St-SC-32 []	
CBG	SU-DL1 Geb. 14	St-SU-1 [St-SU-1] DL 24/001 [DL 24/001]	
Compa	ny Report Name :	Action Type : ⊙ Generate File ◯ Ema	il O FTP
Compar			
		File Format : 📷 📷 📷	BOC
		Report On : ⊙ EMC Server ○ Netwo	
		EMC Server Drive : C:\	<u> </u>
		Folder Path : C:\ File Name* :	
		Schedule : Schedule Not Defined	
Level: 1 🗲			
perties :			
	Measurement Category :	Select one or more energy types	
	Company :	Select one or more company	
	Location :	Select one or more locations	
	Summator/Data Logger :	Select one or more data loggers	
	Channel :	Select one or more channels	
	Electro Parameter :	In preparation	
	Report Type :	 Summary: Only total is shown Detail: Interval values are show 	'n
	Parameter Type :	Selection: "Consumption" / "load"	
	View Detail :	(Valid if only 1 channel is selected, View Detail	and Report Type is "Detail")
			" "Last month" (For requiring report
	Date Type :	Relative: "Yesterday," "Last Week" Fixed: Select a start date up to a d	ate to be evaluated
	Monthly Meter Reading :	Monthly Meter Reading	
	Relative Date :	Here what you see is done in relati dropdown.Dropdown is activated w in the radio button.Report can be g 4 weeks and yesterday	hen the relative date option is sele
	StartTime :	StartTime	
	EndTime :	EndTime	
	Start Date :	Fixing start date to generate report	of selected channel
	End Date :	Fixing end date to generate report	
	Company Report Name :	Specify a name under which the re	
		recurring reports).	
	Action Type :		
		XLS, PDF, CSV, HTML, DOC, TXT	ſ
	Action Type : User Group : Email Address :		o screen and select the group name

Message :	E-mail text
Attachment Format :	File type: - CSV - XLS - PDF - HTML - TXT
File Format :	File Format: - PDF - XLS - CSV - HTML - DOC - XML
Report On :	Storage
EMC Server Drive :	EMC Server Drive
Folder Path :	Save selected files to specified folder path.
File Name :	Name of the file
Host Address :	Host Address
Port :	Port
User Name :	User Name
Password :	Password
Folder Name :	Folder Name
Schedule :	Here the user can define when the report should be automatic create. Click on the date to open the window to select the times.
Values :	Values

METER CALIBRATION REPORT

METER CALIBRATION REPORT OVERVIEW

This report shows all channels must be calibrated soon again. After calibration, the user enters the new calibration date in the channel screen again.

🗮 🕯 admin		Ν	Meter Calibration		03-04-2013 18:01:19
Company All	V Summator/Data	a Logger All	~		Z I
Location All	🖌 Measurement (Category All	~		
Companyt 1	Location ⁺ 2	Summator/Data Logger†	3 Channel Name	Measurement Category	Calibration Date
СВ	Nürnberg	DL-SC1	CB-DL-29	Electricity	-
СВ	Nürnberg	DL-SC1	CB-DL-30	Electricity	-
СВ	Nürnberg	DL-SC1	CB-DL-31	Electricity	-
CBG	Berlin	Geb. 14	DL 24/001	Electricity	-
CBG	Berlin	Geb. 14	DL 24/002	Electricity	-
CBG	Berlin	Geb. 14	DL 24/003	Electricity	-
CBG	Berlin	Geb. 14	DL 24/004	Electricity	-
CBG	Berlin	Geb. 14	DL 24/005	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-25	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-26	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-27	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-28	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-32	Electricity	-
GMC-Germany	Hamburg	SC-DL1	St-SC-1	Electricity	-
GMC-Germany	Hamburg	SU-DL1	St-SU-1	Electricity	-

All

∨#4

1 ◀◀ 1 ▶▶ 1 1-15(15) 🗿

Level: 1 🗲 🧿 🏝

Properties :

Company :	Company
Location :	Location
Summator/Data Logger :	Data Logger
Measurement Category :	Measurement Category
Company :	Company
Location :	Location
Summator/Data Logger :	Data Logger
Channel Name :	Channel Name
Measurement Category :	Measurement Category
Calibration Date :	Displays the next calibration due date

COMPANY REPORTS

COMPANY REPORTS OVERVIEW

Company reports are reports that the user can uniquely create, to be able to retrieve them regularly.

If the report is created, eliminating the selection criteria of all, since you work with a relative date range, e.g. show certain channels by day "yesterday"

This screen shows all the pre-created, personal graphics. Double clicking a line will display the reports immediately.

Deleting a Personal Report:

2) Select the report using the overview screen
 2) In the display screen, a click on the delete button

🕂 🕯 admin		Company Report 03-04-2013 18:03:
Company All	v	Z A
Report Type All	~	
Companyt	Report Name	Report Type
-	TC-1	Total Consumption
-	Tc Test	Monthly Meter Reading Report
-	Test-Mail	Detail Report
-	QWERTY	Detail Load Report
-	VC-R	Detail Report
-	TotalCReport	Total Consumption
Level: 1	e] [0]	Ali ♥▲ 1 ● ▶ 1 1-6(6) 🗿
operties :		
		Company
	Company :	Company
	Company : Report Name :	Name that was assigned by the user.
	Report Name :	Name that was assigned by the user.

HISTORICAL REPORT

Reports always worth the previously reading of consumption from the data loggers There are the following report types:

- Time, manual reports
 Periodic reports (may be considered "Personal Reports" are filed)
 Automatic reports (scheduled to be created)

The reports can be created in various forms of output, e.g. as XLS, PDF.

Examples of the different areas that can be created with this selection screen are included in the appendix of the printed manual.

🗄 🛓 admin		Historical Report	03-04-2013 17:59:56
Measurement Category :	Location :	Shannel :Electro Parameter :	
All Electricity Gas Water Company : All GMC-Germany CB CBG	All	All	
Report T	ype : ③ Summary 〇 Detail	Action Type : ⊙ Generate File ○ Email ○ FTP	
	ype :	File Format : 🔛 🔛 🔛 🔛	
Monthly Meter Read	ling : 🗌	Report On : O EMC Server O Network	
Start Da	ate* : 01-11-2012 📅 00:1		
End D	late : 07-11-2012 📅 24:0		1
Company Report Na	ime : TC-1	File Name* : TC-1	1
		Schedule : @ 01:00	
	262		Created By - admin, 07-11-2012 11:47:37
.evel: 2 🗲 🖻 🤈	K I		Greated by - admin, 07-11-2012 11.47.57
erties :			
Measu	rement Category :	Select one or more energy types	
Compa	any :	Select one or more company	
Locati	on :	Select one or more locations	
Summ	ator/Data Logger :	Select one or more data loggers	
Chann	el :	Select one or more channels	
Electro	o Parameter :	In preparation	
Report	t Type :	1) Summary: Only total is shown 2) Detail: Interval values are shown	
Param	eter Type :	Selection: "Consumption" / "load" (Valid if only 1 channel is selected, and Rep	ort Type is "Detail")
View D	Detail :	View Detail	
Date T	ype :	Relative: "Yesterday," "Last Week", "Last mo Fixed: Select a start date up to a date to be	onth" (For recurring reports evaluated
Month	ly Meter Reading :	Monthly Meter Reading	
Relativ	ve Date :	Here what you see is done in relation to the dropdown.Dropdown is activated when the r in the radio button.Report can be generated 4 weeks and yesterday	elative date option is select
StartT	ime :	StartTime	
EndTi	ne :	EndTime	
Start D	Date :	Fixing start date to generate report of selected	ed channel
End Da	ate :	Fixing end date to generate report of selecte	d channel
Compa	any Report Name :	Specify a name under which the report is to recurring reports).	be stored in EMC (For
Action	Туре :	A file is created, an e-mail is sent. The follow XLS, PDF, CSV, HTML, DOC, TXT	wing formats are available
User G	Group :	Click the button to open user group screen a	and select the group name.
Email	Address :	Send selected formatted files to the specified	d e-mail address
• • •	st :	Subject	

Message :	E-mail text
Attachment Format :	File type: - CSV - XLS - PDF - HTML - TXT
File Format :	File Format: - PDF - XLS - CSV - HTML - DOC - XML
Report On :	Storage
EMC Server Drive :	EMC Server Drive
Folder Path :	Save selected files to specified folder path.
File Name :	Name of the file
Host Address :	Host Address
Port :	Port
User Name :	User Name
Password :	Password
Folder Name :	Folder Name
Schedule :	Here the user can define when the report should be automatic create. Click on the date to open the window to select the times.
Values :	Values

COST CENTER DEFINITION

COST CENTER DEFINITION OVERVIEW

Under the EMC industry version includs the cost center accounting, i.e. the assignment of measuring points of different types of energy to cost centers.

Maximum structure of cost centers (KST): company location Cost Area KST Sub-KST Sub-KST The various levels can each one or more measuring points are assigned, or percentage rates of individual counters.

Cost Area :

Cost Center :

The cost center overview shows all defined cost centers in their flat.

🗮 🛔 admin			Cost Center - Ov	verview	03-04-2013 17:29:5
Company All	v				Z A
Location All	*				
Company	Location	Cost Area	Cost Center	Sub Cost Center	Sub Sub Cost Center
GMC-Germany	Hamburg	ABT1			
CB	Nürnberg	ABT2	-	-	
GMC-Germany	Hamburg	ABT1	KST-1	-	-
СВ	Nürnberg	ABT2	ABT- KST	-	-
Level: 1 🗲 🕇	Dx]			All 💽 🍂	1≪I≤ 1 ▶▶ 1 1-4(4) 👼
Level: 1 🗲 🕇 perties :	() (All	1≪I ▲ 1 ▶▶ 1 1.4(4) 👼
perties :	Company :		Company (1≪I≤ 1 ▶⊯ 1 1-4(4) ही
perties :			Company (Location (Key Field)	1≪1≪ 1 ▶ा 1-4(4) 👼
perties :	Company :		Location (Key Field) Key Field)	1 ≪I ►► 1 1.4(4) 👼 for the corresponding channel.

This column displays the location for the corresponding channel.

Cost Area
Cost Center

Sub Cost Center : Sub Cost Center Sub Sub Cost Center Sub Sub Cost Center :

COST CENTER DEFINITION - DETAIL

In this screen, the cost centers are defined. In the table, the measuring points are assigned to the KST.

🗮 🌡 admin		Cost	Center Definition - Detail		03-04-2013 18:05:0
		Parent Cost Center		1	
			GMC-Germany]	
				1	
			Hamburg		
		Cost Center*			
		Description	· · · · · · · · · · · · · · · · · · ·		
		Create Virtual Channel			
	Channel Allocation]			
	Data Logger	Channel	Percentage	Meter Name	
	SC-DL1	St-SC-26	100	12314141	×
	SC-DL1	St-SC-27	100	2141111	×
Level: 2					
Level: 2					Created By - admin, 07-11-2012 17:14:12 Modified By - admin, 18-12-2012 18:23:38
	Parent Cost Center	:	Name of the parent Co	ost Center	•
		:	Name of the parent Co Name of Company	ost Center	•
	Parent Cost Center	:		ost Center	•
	Parent Cost Center Company :	:	Name of Company	ost Center	•
	Parent Cost Center Company : Location :	:	Name of Company Name of Location	ost Center	
	Parent Cost Center Company : Location : Cost Center :		Name of Company Name of Location Name of Cost Center Any Description If this checkbox is cher	cked, then this a	•

Responsible

Responsible :

COST CENTER STRUCTURE

COST CENTER STRUCTURE OVERVIEW

This screen provides an overview of the Cost Center and its integration into the hierarchical structure of the company Cost Center.

🗮 🛔 admin		Cos	t Center Structure		03-04-2013 17:
Company All	~				
Location All	v				
	Entity Type	Company	Location	Entity Name	Entity Description
🗉 🚞 Cost Area		GMC-Germany	Hamburg	ABT1	
🗉 🚞 Cost Cer	nter	GMC-Germany	Hamburg	KST-1	
🗋 Cha	nnel	GMC-Germany	Hamburg	St-SC-26 (100%)	St-SC-26
🗋 Cha	nnel	GMC-Germany	Hamburg	St-SC-27 (100%)	St-SC-27
🗉 🚞 Cost Area		СВ	Nürnberg	ABT2	
🗋 Cost Ce	enter	СВ	Nürnberg	ABT- KST	
Level: 1			All	≤ #3	1≪€ 1 ►► 1 1-6(6) 👼
Level: 1			All	₩ #4	1≪≪ 1 ▶ ୲▶ 1 1-6(6) 👼
	Entity Type :	L		▼M re of cost center	1 ≪ < 1 ▶▶ 1 1-6(6) ही
				re of cost center	1≪€ 1 ▶ ▶ 1 1-6(6) 👼
	Entity Type :	Ν	evel wise structu	re of cost center	1 ≪ ◀ 1 ▶ ▶ 1 1.6(6) 🛱
	Entity Type : Company :	N N	evel wise structu ame of Company	re of cost center	1 ◀◀ 1 ▶▶ 1 1-6(6) 👼
	Entity Type : Company : Location :	N N C	evel wise structu ame of Company ame of Location	re of cost center y	1≪≪ 1 ► 🕪 1 1-6(6) 👼
	Entity Type : Company : Location : Entity Name :	N N C	evel wise structu ame of Company ame of Location ost Center Name	re of cost center y e ription	1 ≪ ◀ 1 ▶ ▶ 1 1.6(6) 🛱

INVOICING

This screen is use to the billing of Cost Center are triggered.

Cost Center :

Generate Report :

🗄 👗 admin			In	voicing						03-0	4-2013
Measurement Category :		Cost Center :				_					_
All		All					Ар	ril	2 3	201	3 ≥
Electricity		ABT1				мо	Tu 3	We 1	h Fr	Sa	Su
Gas Water		KST-1 ABT2				_	_				_
vvater		ABT- KST				1	2		4 5	<u>6</u>	Z
						<u>8</u>	<u>9</u>	<u>10</u>]	1 12	13	<u>14</u>
						15	<u>16</u>	17 1	8 19	20	21
Company :						22	23	24 2	25 26	27	28
All GMC-Germany						29					
CB						62	20				
CBG						≤	Арі	ril	> .	201	3>
						мо	_	_	h Fr	_	_
Cost Center Type :						1	2	3	4 5	<u>6</u>	Z
All						8	9	10 1	1 12	13	14
Cost Area Cost Center						15			8 19		
Sub Cost Center									25 26		
Sub Sub Cost Center								24 4	3 20	44	20
						29	<u>30</u>				
Level: 1			In	voicing						03-0	4-2013
evel: 1 🗲 🤈 🗐		15 03 2012	In	/oicing	To Date: 15.03.201	2				03-0	4-2013
E 🛔 admin	From Date:			-	To Date: 15.03.201 Excess Energy Distribution		Un	nit	Amoui		
E & admin Company Name	From Date:	15.03.2012 Cost Center Type Cost Area		-		Total			Amoui		4-2013 Euro) 0.00
E 🛔 admin	From Date: Provider	Cost Center Type	Cost Center Name	Consumption	Excess Energy Distribution	Total 960.0	00 kW	/h	Amoui		Euro)
E admin Company Name MC-Germany	From Date: Provider Strom	Cost Center Type Cost Area	Cost Center Name ABT1	Consumption 768.00	Excess Energy Distribution 192.00	Total 960.0 960.0	00 kW	/h /h	Amoui		Euro) 0.00
Company Name Company Name MC-Germany MC-Germany tata: Cost Area otal: Cost Center	From Date: Provider Strom	Cost Center Type Cost Area	Cost Center Name ABT1	Consumption 768.00 768.00 768.00 768.00 768.00	Excess Energy Distribution 192.00 192.00 192.00 192.00	Total 960.0 960.0 960.0 960.0	00 kW 00 kW 00 kW 00 kW	/h /h /h /h	Amou		Euro) 0.00 0.00 0.00 0.00
Company Name MC-Germany MC-Germany stal: Cost Area stal: Cost Center stal: Sub Cost Center	From Date: Provider Strom	Cost Center Type Cost Area	Cost Center Name ABT1	Consumption 768.00 768.00 768.00 768.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 192.00 192.00 0.00	Total 960.0 960.0 960.0 960.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amoui		Euro) 0.00 0.00 0.00 0.00 0.00
Company Name Company Name MC-Germany MC-Germany tata: Cost Area otal: Cost Center	From Date: Provider Strom	Cost Center Type Cost Area	Cost Center Name ABT1	Consumption 768.00 768.00 768.00 768.00 768.00	Excess Energy Distribution 192.00 192.00 192.00 192.00	Total 960.0 960.0 960.0 960.0 0.0	00 kW 00 kW 00 kW 00 kW	/h /h /h /h /h	Amou		Euro) 0.00 0.00 0.00 0.00
Company Name Company Name WC-Germany WC-Germany Stal: Cost Center Stal: Cost Center Stal: Sub Cost Center Stal: Sub Cost Center Stal: Sub Sub Cost Center	From Date: Provider Strom	Cost Center Type Cost Area	Cost Center Name ABT1	Consumption 768.00 768.00 768.00 768.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 192.00 192.00 0.00	Total 960.0 960.0 960.0 960.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amour		Euro) 0.00 0.00 0.00 0.00 0.00
Company Name Company Name MC-Germany MC-Germany MC-Germany MC-Germany Stal: Cost Area Stal: Cost Center Stal: Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center	From Date: Provider Strom Strom	Cost Center Type Cost Area Cost Center	Cost Center Name ABT1 KST-1	Consumption 768.00 768.00 0.68.00 0.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 0.00 0.00	Total 960.0 960.0 960.0 960.0 0.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amour		Euro) 0.00 0.00 0.00 0.00 0.00
Company Name Company Name MC-Germany MC-Germany MC-Germany MC-Germany Stal: Cost Area Stal: Cost Center Stal: Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center	From Date: Provider Strom Strom	Cost Center Type Cost Area	Cost Center Name ABT1 KST-1	Consumption 768.00 768.00 0.68.00 0.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 192.00 192.00 0.00	Total 960.0 960.0 960.0 960.0 0.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amoun		Euro) 0.00 0.00 0.00 0.00 0.00
Company Name MC-Germany MC-Germany MC-Germany MC-Germany Stal: Cost Center Stal: Cost Center Stal: Sub Sub Cost Center Stal: Sub Sub Cost Center Meas	From Date: Provider Strom Strom	Cost Center Type Cost Area Cost Center	Cost Center Name ABT1 KST-1	Consumption 768.00 768.00 0.68.00 0.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 0.00 0.00 0.00 kample electricity, gas)	Total 960.0 960.0 960.0 960.0 0.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amour		Euro) 0.00 0.00 0.00 0.00 0.00
Company Name MC-Germany MC-Germany MC-Germany MC-Germany MC-Germany MC-Germany MC-Germany MC-Germany MC-Germany Mc-Germany Meas Com	From Date: Provider Strom Strom	Cost Center Type Cost Area Cost Center	Cost Center Name ABT1 KST-1 Energ Comp	Consumption 768.00 768.00 768.00 0.00 0.00 0.00	Excess Energy Distribution 192.00 192.00 192.00 0.	Total 960.0 960.0 960.0 960.0 0.0 0.0	00 kVV 00 kVV 00 kVV 00 kVV 00 kVV	/h /h /h /h /h	Amour		Euro) 0.0 0.0 0.0 0.0

Cost Center(Key Field)

Generate Report

INVOICING

This screen allows the user to view the billing details of the cost centers. The screen shows in detail how to assemble the individual settlement items.

🗮 👗 admin												
Measurement Category :		st Center :						oril	~	_	2013	
All Electricity	Al	I BT1				_ ≤			2			
Gas	KS	ST-1				Мо	_	We	_	_	Sa	_
Water		BT2 BT- KST				1	2	3	4	5		Z
						<u>8</u>	<u>9</u>				<u>13</u>	
Company :						15					20	
All GMC-Germany								<u>24</u>	25	26	27	28
CB						29	<u>30</u>					
CBG						_≤	A	pril	≥	≤	2013	2
						мо	Tu	We	Th	Fr	sa	Su
Cost Center Type :						1	2	<u>3</u>	4	<u>5</u>	<u>6</u>	Ζ
All Cost Area						<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>
Cost Center Sub Cost Center											<u>20</u>	
Sub Sub Cost Center								<u>24</u>	<u>25</u>	<u>26</u>	27	<u>28</u>
						29	<u>30</u>					
			Invoid	ce Detail							03-04	-201
	From Date: 15	.03.2012	Invoid	ce Detail	To Date: 15.03.24)12					03-04	-201
admin	From Date: 15 Provider	Cost Center Type	Cost Center I	Name Channel Name	Percentage Me	eter Na	ne	Сс	insui	mptio	on	Unit
Company Name	From Date: 15 Provider Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27	Percentage Me 100.00 2141	eter Nai 111	ne	Cc	insul	mptio 48	on 80.00	Uni kWh
Company Name IC-Germany IC-Germany	From Date: 15 Provider	Cost Center Type	Cost Center I	Name Channel Name	Percentage Me	eter Nai 111	ne	Cc	nsui	mptio 48 48	on	Uni kWh kWh
Company Name Company Name IC-Germany IC-Germany Ial: Cost Center Ial: Sub Cost Center	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27	Percentage Me 100.00 2141	eter Nai 111	ne	Cc	nsui	mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
admin admin	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27	Percentage Me 100.00 2141	eter Nai 111	ne	Cc)nsui	mptic 48 48 96	on 80.00 80.00 80.00	Uni kWh kWh kWh
Company Name IC-Germany IC-Germany IC-Germany tal: Cost Center tal: Sub Cost Center	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27 St-SC-26	Percentage Me 100.00 2141	eter Nai 111	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
Company Name Company Name IC-Germany IC-Germany tal: Cost Center tal: Sub Cost Center	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27	Percentage Me 100.00 2141	eter Nai 111	ne		onsur or	mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
Company Name C-Germany IC-Germany	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center	Cost Center I KST-1	Name Channel Name St-SC-27 St-SC-26	Percentage Me 100.00 2141	eter Nai 111	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
Company Name Company Name Company Comp	From Date: 15 Provider Strom Strom	Cost Center Type Cost Center Cost Center	Cost Center I KST-1 KST-1	Name Channel Name St-SC-27 St-SC-26	Percentage Me 100.00 2141 100.00 1231	eter Nar 111 4141	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
Company Name C-Germany IC-Germany Ial: Cost Center Ial: Sub Cost Center Ial: Sub Sub Cost Center	From Date: 15 Provider Strom Strom er	Cost Center Type Cost Center Cost Center	Cost Center I KST-1 KST-1	Name Channel Name St.SC-27 St-SC-25	Percentage Me 100.00 2141 100.00 1231	eter Nar 111 4141	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
C-Germany CC-Germany CC-Germany al: Cost Center al: Sub Cost Center al: Sub Sub Cost Cent cost Center al: Sub Sub Cost Cent Cost Center al: Sub Sub Cost Cent Cost Center al: Cost Center al: Sub Sub Cost Center al: Sub Sub Cost Cent Cost Center al: Cost Center al: Sub Center al: Su	From Date: 15 Provider Strom Strom er	Cost Center Type Cost Center Cost Center	Cost Center I KST-1 KST-1 Energ Comp	y-type (for exampl any (Key Field)	e electricity, gas	eter Nar 111 4141	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
Company Name C-Germany C-Germany al: Cost Center al: Sub Cost Center al: Sub Sub Cost Center al: Sub Sub Cost Cent Centies : M C C C C	easurement Company :	Cost Center Type Cost Center Cost Center	Cost Center I KST-1 KST-1 Energ Comp Cost C	y-type (for exampl any (Key Field) Center Type (Key	e electricity, gas	eter Nar 111 4141	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh
a admin Company Name C-Gernany C-Gernany al: Sub Cost Center al: Sub Cost Center al: Sub Sub Cost Center al: Sub Sub Cost Center Cost C	easurement Company : ost Center Ty	Cost Center Type Cost Center Cost Center Cost Center	Energ Cost Comp Cost C Cost C	y-type (for exampl any (Key Field)	e electricity, gas	eter Nar 111 4141	ne			mptic 48 48 96	0.00 0.00 0.00 0.00	Uni kWh kWh kWh

YEARLY COST CENTER

This screen generates an yearly overview of the consumption value of all cost centers. When tariffs are used, the consumption can also be displayed in money.

This evaluation accesses the Cost Center invoicing values. Therefore, it is essential to first create the Cost Center invoicing.

admin					Yearly	Cost	Center									03-04-2013 r	18:22:
				Compan	iy : O All					v							
			(Cost Cente	er : 💿 📶					*							
				Yea	ar : 20	12				~							
			Consur	nption/Eu	ro: 💿	Consun	nption (Euro									
Level: 1																	
admin					Yearly	Cost	Center	r								03-04-2013	18:25:
V	Yearl	y Co	st Ce	enete	r Rep	ort	- 20 1	12 (C	ons	um	otior	<u>ו)</u>					
Cost Center	Provider	Unit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average	
GMC-Germany>ABT1	Strom	kWh	0.00	0.00	960.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	960.00	
GMC-Germany>KST-1	Strom	kWh	0.00	0.00	960.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960.00	960.00	
Selection : Cost Center Level																	
			CSV				нтми				DOC				XML		
Derties :	1		CSV				tiner.				000				XML		
pperties : Compar) ny :		CSV		Comp	bany	(Ke	/ Fiel	d)		000				X		
•	•		CSV		Comp Cost	-					BOC						
Compar	•		G			Cent	ter (ł	Key F			000				XIL		

VIRTUAL CHANNEL

VIRTUAL CHANNEL OVERVIEW

Virtual channels are channels that are not associated with a data logger or any meters. They exist only virtually and can be used for arithmetic operations, such as for the summation of two or more meters.

The particular arithmetic operation is performed to display the result graphically. They therefore occupy no storage space as the data loggers and meters associated with the channels.

The summary screen shows all defined virtual channels.

Load Unit :

Company :

Virtual channels can be created for each company separately. In addition to the consortium version overriding of the virtual channels are created, which summarize the channels from several companies. The user must have administrator privileges for this.

Virtual channels can be linked via mathematical operations with channels and virtual channels.

🚟 🛔 admin	٧	irtualChannel - Overview		03-04-2013 18:30:22
Company All	✓			Ž I
Companyt	Virtual Channel Name	Consumption	Unit	Load Unit
GMC-Germany	VC-Test	kWh		kW
GMC-Germany	KST-1	kWh		kWh
Level: 1 🗲 🕂 🖡	N	All	∽ #4	1≪1 ▶▶▶1 1-2(2) 昂
operties :			orrol	
	ompany :	Company		
	rtual Channel Name :	User assigned name		
	onsumption Unit :	Unit, e.g. kWh		
	•	· •		

Unit, e.g. kW

Select Company (key field)

In the detail screen Virtual channels can be viewed, changed and deleted.

- Procedure for defining a new virtual channel: 1) Select a channel (real channel or virtual channel), through the selections of Energy type, company, location, data loggers) 2) Selection of an arithmetic operation, e.g. "+" For addition 3) Select another channel or a digit

- 4) Points 2) and 3) can be repeated as often.

The result is displayed in the window.

- Procedure for modification of an existing virtual channel: 1) An existing channel is selected through overview screen 2) The lower right panel shows the solution of the virtual channel 3) Click on the channel or the arithmetic operation to be modified or deleted 4) Selection of another channel or another arithmetic operation 5) NSC the channel of before the collected field (with motion protection)
- 5) INS: It is always inserted before the selected field / arithmetic operation

The user should make sure that channels are used with the same units; this one may have to be converted. If channels with different reading intervals are used (e.g. 5-minute channel and 15-minute channel), then this channel is used with the larger reading interval (in this example 15 minutes). For the 5 minute channel, automatically summation of the 3 x 5 minute intervals for 1/4 hour is done

admin admin						Virtual Channel - Detail	03-04-2013 18:31:3
Measurement Category :	Locat	tion :				Channel :	Electro Parameter :
Electricity Gas Water	Hamburg Virtual Channel			St-SC-25 [St-SC-25] St-SC-26 [St-SC-26] St-SC-27 [St-SC-27] St-SC-28 [St-SC-28] St-SC-32 []	Select		
Company : GMC-Germany CB CBG	Sumr SC-I SU-I Test	DL1	Data Lo	igger :		st-sC-1 [] [¯]	
Calculator	7	8	9	1	()	(St-SC-26[St-SC-26] * 100 / 100) + (Si	SC.27[St.SC.27] * 100 7 100 1 (END)
	4	5	6	*	INS		
	1	2	3	-	DEL		
	0	۸		+	cosø		
Channel Name*	: KST-	1					
Consumption Unit*	: kWh						
Load Unit*	: kWh						
Level: 2 🗲 🗉 🤈 🗙							

Properties :

Measurement Category :	Select one or more energy types
Company :	Select one or more company
Location :	Select one or more locations
Summator/Data Logger :	Select one or more data logger
Channel :	Select a channel
Electro Parameter :	In preparation
Calculator :	The user can enter numbers, select arithmetic operations, Insert (INS) or operands delete (DEL) $% \left(\left(\text{DEL} \right) \right) \right)$
Formula :	Results of the formula.
Channel Name :	Name to be indicated for the virtual channel.
Consumption Unit :	Unit for consumption (for graphs and reports)
Load Unit :	Unit for the load (for graphs and reports)

MEASUREMENT

MEASUREMENT OVERVIEW

In this screen the user sees all the available measures (units).By default, the type of energy is "electricity".The user can have as many variables as define within its purchased license.

	N	leasurement - Overview	29-08-2012 15:
Short Name 🕇		Consumption Unit	Load Unit
Compressed Air	Nm3		Nm3/h
Electricity	Wh		w
Frequency	Hz		Hz
Gas	Nm3		Nm3/h
Heat	Wh		w
Light	Lux		Lux
Power2	W		w
Pressure(Pa)	Pa		Pa
Temperature(°C)	°C		°C
Voltage	V		V
Water	m3		m3/h
Level: 1 ()))	(All	#4 1 ≪ 🛋 1 🕨 🕪 1 1-11(11) 👼
	*	All 💌 Energy Name	ۇ% 1 ≪ 🛋 🕨 🕪 1 1 - 11(11) 👼

Consumption Unit : Load Unit : Energy Name Unit for consumption Unit for the load

MEASUREMENT DETAILS

This screen allows the user to define new units, change, and delete the units.

🚟 🛔 en	nc Mea	surement Details	29-08-2012 15:49:01
	Measurement categor		
	Descriptio	Energy For Electricity	
	Consumption Unit	* : Wh	
	Power Unit	* : W	
	Reactive Energy Un	t : VArh	
	Reactive Power Un	t : VAr	
Level: 2			

Properties :

Measurement category :	Energy Type
Description :	Description, any text
Consumption Unit :	Unit for consumption, eg Wh
Power Unit :	Unit for the load profile, eg W
Reactive Energy Unit :	Available only for electricity
Reactive Power Unit :	Available only for electricity

PROVIDER

PROVIDER OVERVIEW

The energy provider is the generic term for fares that can be defined for each supplier.

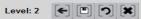
emc 🛔		Provider - C	Verview		29-08-2012 15:
Sh	ort Name†	Town	Country	Contact Pe	rson
Gas					
Strom					
Voltage					
Wasser					
Level: 1 (+)	[7] [*]		All 🗸	1 - 4 - 1	1 1-4(4) 晨
()					
perties :					
	ort Name :	Name of	energy supplier		
-			energy supplier		
То	wn:	Town			
	untry :	Country			
<u> </u>					

PROVIDER INFOMATION - DETAIL

29-08-2012 15:51:14

This screen is used for entering information of energy suppliers

🕂 🛓 emc	Provider Infomation - Detail	
	Short Name* :	_
	Provider Name :	
	Street :	
	Country-Zip-Town :	
	Country :	
	Contact Person :	
	Email :	
	Telephone No. :	
	Fax No :	
	Provider Url :http://	
	Rounding : Up	~



Properties :

me of the energy suppliers (used in EMC) ng Name		
ng Name		
Long Name 2		
Address information		
dress information		
dress information		
dress information		
dress information		
ntact person for energy suppliers		
nail address of contact person		
lephone no. of the contact person		
x no. of the contact person		
ebsite of the energy suppliers		
he time for a tariff (day / night) do not fall on a full hour, changes can be there. If you want to be rounded up or down		

PROVIDER CHANNEL ALLOCATION

PROVIDER CHANNEL ALLOCATION OVERVIEW

The assignment of the individual channels is necessary for their main input meter, to detect, which channels (meter) sub-channels belong to which main meter.

This screen shows all defined-supplier channels.

Double clicking a selected channel (main meter) which can be associated with the next screen

🗮 🌡 admin		Provider Channel Allocation - O	Verview		03-04-2013 18:
Company All	Summator/Data Logger All	*			
Location All	Measurement Category All				
Company	y† Location†	Summator/Data Logger†	Provider	Measurement Category	
GMC-Germany	Hamburg	SC-DL1	Strom	Electricity	St-SC-25
					5
		All	v 88.		4 4 4/4
1-11	+ 0 ×	All	✓ ₫%	1≪[≪] 1 ▶ ▶	1 1-1(1) 詞
Devel: 1		·	~ \$\$	14(4 1)	1 1.1(1) 昴
1-11	Company :	Company Name	∨ _¢å	14(4 1)))	1 1-1(1) 👼
1-11	Company : Location :	Company Name Location name		1 - 1 - 1	1 1-1(1) 詞
1-11	Company : Location : Summator/Data Logger :	Company Name Location name Data logger name	•	1 • • •	1 1-1(1) <i>眞</i>
1-11	Company : Location : Summator/Data Logger : Provider :	Company Name Location name Data logger name Name of energy p	e provider	1≪(≪ 1 ▶)	1 1-1(1) 👼
1-11	Company : Location : Summator/Data Logger : Provider : Measurement Category :	Company Name Location name Data logger name Name of energy p Energy type of pr	e provider ovider channel		1 1.1(1) 🔊
1-11	Company : Location : Summator/Data Logger : Provider : Measurement Category : Provider Channel :	Company Name Location name Data logger name Name of energy p Energy type of pr Channel name of	e provider ovider channel		1 1-1(1) 👼
1-11	Company : Location : Summator/Data Logger : Provider : Measurement Category : Provider Channel : Company :	Company Name Location name Data logger name Name of energy p Energy type of pro Channel name of Company	e provider ovider channel		1 1.1(1) 🔊
1-11	Company : Location : Summator/Data Logger : Provider : Measurement Category : Provider Channel : Company : Location :	Company Name Location name Data logger name Name of energy p Energy type of pr Channel name of Company Location	e provider ovider channel the supplier (mair		1 1.1(1) 🔊
1-11	Company : Location : Summator/Data Logger : Provider : Measurement Category : Provider Channel : Company :	Company Name Location name Data logger name Name of energy p Energy type of pro Channel name of Company	e provider ovider channel the supplier (mair ogger		1 1-1(1) 👼

PROVIDER CHANNEL ALLOCATION - DETAIL

This screen shows all the channels (sub-meter), which were already the supplier channel (associated with the main counter)

By clicking on the + button, additional channels (sub-meter) are added. By clicking on the X button, channels can (sub-meter) be deleted

	emc		Provider	Channel Allocation - Detail		29-08-2012 15:52:56
			Provider* : Measurement Category : Provider Channel* : Consumption Unit :	Electricity -		
			Load Unit :		-	
	Chann	el Allocation (+)	Scaling :		_	
	Lo	cation	Data Logger	Channel Name	Channel Description	
Leve	ıl: 2 🗲					
Propertie	es :					

Provider :	Name of energy supplier		
Measurement Category :	Energy type of supplier channel		
Provider Channel :	Channel name of the supplier (main meter)		
Consumption Unit :	Unit for consumption, e.g. kWh		
Load Unit :	Unit for the load, e.g. kW		
Scaling :	Scaling		
Channel Allocation :	This screen displays all channels (sub-counter), which have not yet associated with a supplier channel.Single or multiple channels can be select.		

HOLIDAY

HOLIDAY OVERVIEW

This overview shows all defined holidays in a company / the associated location.

A green dot indicates that in this month holidays are available. Putting the mouse cursor on the green dot,Holidays are shown as a tooltip Double-click in the line leading to the detail screen, where holidays can be added or deleted.

🕂 🌡 admin					Но	liday Ove	rview						03-04	4-2013 18:
Comapny All	~													
Location All	~													
Company†	Location	Year	January	February	March	April	May	June	July	August	September	October	Novembe	r Decemb
GMC-Germany	Hamburg	2012		-			۲	۲			۲			
GMC-Germany	Hamburg	2013	۲	-	۲		-	-		۲				۲
	(* C) *]							All	<mark>∨</mark> #4		1414	1	▶1 1-2	2(2) 🗿
	+) * Comapny :				Na	me of c	compan		<mark>∨</mark> #4		1ৰাৰ	1	▶1 1-2	2(2) है
										compai		1	▶1 1.2	2(2) 👼
	Comapny :				Na	me of t	he loca	у	hin the		ny	1 🕨	▶1 1.2	2(2) ही
	Comapny : Location :				Na Na	me of ti me of ti	he loca he loca	y tion with	hin the	compai	ny ny	1	▶1 1.2	2(2) 👼
	Comapny : Location : Location :				Na Na Ye	me of th me of th ar for w	he loca he loca rhich th	y tion witł tion witł e holida	hin the hin the ays are	compai display	ny ny			
	Comapny : Location : Location : Year :				Na Na Ye If (me of th me of th ar for w Green D	he loca he loca hich th	y tion with tion with e holida e are ho	hin the hin the ays are plidays	compai display in this r	ny ny ed.	se no h	nolidays	;.
	Comapny : Location : Location : Year : January :				Na Na Ye If C	ime of th ime of th ar for w Green D Green D	he loca he loca hich th oot ther oot ther	y tion with tion with e holida e are ho e are ho	hin the hin the ays are blidays blidays	compai display in this r in this r	ny ny ed. month els	se no h se no h	nolidays	;. ;.
	Comapny : Location : Location : Year : January : March :				Na Ye If C If C	me of ti me of ti ar for w Green D Green D Green D	he loca he loca hich th oot ther oot ther oot ther	y tion witł tion witł e holida e are ho e are ho e are ho	hin the hin the ays are blidays blidays blidays	compai display in this r in this r in this r	ny ny ed. nonth els	se no h se no h se no h	nolidays nolidays	5. 5. 5.
	Comapny : Location : Location : Year : January : March : April :				Na Ve If C If C If C	me of t me of t ar for w Green D Green D Green D Green D	he loca he loca hich th Dot ther Dot ther Dot ther Dot ther	y tion with tion with e holida e are ho e are ho e are ho e are ho e are ho	hin the hin the ays are blidays blidays blidays	compai display in this r in this r in this r in this r	ny ny ed. nonth els nonth els	se no h se no h se no h se no h	nolidays nolidays nolidays	5. 5. 5.
	Comapny : Location : Location : Year : January : March : April : May :				Na Ye If C If C If C If C	ime of th ime of th ar for w Green D Green D Green D Green D	he loca he loca hich th oot ther oot ther oot ther oot ther	y tion with tion with e holida e are ho e are ho e are ho e are ho e are ho	hin the hin the ays are blidays blidays blidays blidays	compai display in this r in this r in this r in this r in this r	ny ed. nonth els nonth els nonth els	se no h se no h se no h se no h se no h	nolidays nolidays nolidays nolidays nolidays	5. 5. 5. 5.
	Comapny : Location : Location : Year : January : March : April : May : June :	:			Na Ye If C If C If C If C	me of tl me of tl ar for w Green D Green D Green D Green D Green D	he loca he loca hich th oot ther oot ther oot ther oot ther	y tion with tion with e holida e are ho e are ho e are ho e are ho e are ho e are ho	hin the hin the ays are blidays blidays blidays blidays blidays blidays	compar display in this r in this r in this r in this r in this r	ny ed. nonth els nonth els nonth els nonth els	se no h se no h se no h se no h se no h se no h	nolidays nolidays nolidays nolidays nolidays	5. 5. 5. 5.
	Comapny : Location : Location : Year : January : March : April : May : June : June :	:			Na Ye If C If C If C If C If C	me of tl me of tl ar for w Green D Green D Green D Green D Green D Green D	he loca he loca which th pot ther pot ther pot ther pot ther pot ther	y tion with tion with e holida e are ho e are ho e are ho e are ho e are ho e are ho	hin the hin the ays are blidays blidays blidays blidays blidays blidays	compan display in this r in this r in this r in this r in this r in this r	ny ed. nonth els nonth els nonth els nonth els nonth els	se no h se no h se no h se no h se no h se no h	nolidays nolidays nolidays nolidays nolidays nolidays nolidays	5. 5. 5. 5. 5.
Level: 1 perties :	Comapny : Location : Location : Year : January : March : April : May : June : June : July :				Na Ye If C If C If C If C If C If C	me of t me of t ar for w Green D Green D Green D Green D Green D Green D	he loca he loca which th oot ther oot ther oot ther oot ther oot ther oot ther	y tion with tion with e holida e are ho e are ho	hin the hin the ays are blidays blidays blidays blidays blidays blidays blidays	compai display in this r in this r in this r in this r in this r in this r	ny ed. nonth els nonth els nonth els nonth els nonth els nonth els	se no h se no h se no h se no h se no h se no h se no h	nolidays nolidays nolidays nolidays nolidays nolidays nolidays	5. 5. 5. 5. 5. 5.

HOLIDAYS - DETAIL

In this screen, the user defines the holidays for one year. Where the firm has offices in different states or in different countries, the holidays can be defined separately for each location.

🚟 🛔 admin		Holidays - Detail		03-04-2013 18:38:02
			 ✓ ✓ 	
		Year : 201	12	
Janu Ma Ta N	wary 2012 February 2012 We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo	March 2012 April 2012	May 2012 June 2012 Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa	
WO IL I	1 1 2 3 4 5	1 2 <u>3 4</u> 1	1 2 3 4 <u>5 6</u> 1 2	
	<u>4 5 6 7 8 6 7 8 9 10 11 12 5</u> <u>11 12 13 14 15 13 14 15 16 17 18 19 12</u>		<u>7 8 9 10 11 12 13 4 5 6 7 8 9</u> 14 15 16 17 18 19 20 11 12 13 14 15 16	
	<u>18 19 20 21 22 20 21 22 23 24 25 26 15</u>	<u>9 20 21 22 23 24 25 16 17 18 19 20 21 22</u>	21 22 23 24 25 26 27 18 19 20 21 22 23	
23 24 3 30 31	<u>25 26 27 28 29 27 28 29 26</u>	6 27 28 29 30 31 23 24 25 26 27 28 29 30	28 29 30 31 25 26 27 28 29 30	
Ju		September 2012 October 2012	November 2012 December 2012	
Mo Tu V	We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo 1 1 2 3 4 5	lo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su 1 2 1 2 3 4 5 6 7	Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa 1 2 3 4 1	
	<u>4 5 6 7 8 6 7 8 9 10 11 12 3</u> <u>11 12 13 14 15 13 14 15 16 17 18 19 10</u>		<u>5 6 7 8 9 10 11 3 4 5 6 7 8</u> 12 13 14 15 16 17 18 10 11 12 13 14 15	-
<u>16</u> <u>17</u> 1	<u>18 19 20 21 22 20 21 22 23 24 25 26 17</u>	<u>7 18 19 20 <mark>21</mark> 22 23</u> 22 23 24 25 26 <u>27</u> 28	19 20 21 22 23 24 25 17 18 19 20 21 22	23
23 24 3 30 31		4 25 26 27 28 29 30 29 30 31	26 27 28 29 30 24 25 26 27 28 29 31	30
Level: 2 🗲 🖹 🍞 🗙]			Created By - admin, 19-09-2012 11:03:34 Modified By - admin, 19-12-2012 12:27:28
Properties :				
Compan	ny :	Name of company		
Location	n :	Name of the location w	within the company.	
Year :		Year		

TARIFF PLAN

TARIFF PLAN OVERVIEW

This rate is the generic term for the tariffs that can be defined for each vendor.

	emc		Tariff Plan - Overview	29-08-2012 15:53:5
Provide	r All	~		Z,↓
	Provider	Name	Valid From	Status
Strom		Tariff 1	01-01-2012	⊻
Level:		J	All 💙 🏘 1 🐗 🕷	1 🕨 🕪 1 1-1(1) 👼
perties	:			
•	Provider :		Name of the energy suppliers	
			Name of the Tariff Plans	
	Name :			
	Name : Valid From	:	The date from which the tariff is valid.	
		:		fined completely and accura

In this screen, a collective is defined in detail.

- Tariff Iframe detail: Here the prices for the individual rates are defined as Day or night fare.

Holiday Iframe: Here holidays are assigned to a tariff.

- Extra Charges Iframe: Here are additional charges, for example Current taxes defined

	emc	Tar	iff Plan - Detail		29-08-2	012 15:54:41
	Copy From :		~			
	Name* :					
	Description :					
	Measurement Category :	Electricity	~			
	Provider Channel* :			+		
	Consumption Unit :					
	Load Unit :					
	Scaling :		~			
	Invoicing :	Monthly	~			
	Currency Unit :		Euro			
	Valid From* :			10		
	Tariff Details [+]					
	Tariff Name		Desci	ription	Edit	
Level:	2 (*) (*) (*)					
Properties	S :					

Copy From :	Here a Tariff will be selected to serve as a template for a new tariff (simplified input).
Name :	Collective name, any name
Description :	Description, any text
Measurement Category :	Selection of energy types
Provider Channel :	Select the main input meter from suppliers
Consumption Unit :	Unit for consumption, eg Wh (watt-hours)
Load Unit :	Unit for the load profile as W (watts)
Scaling :	Scaling, e.g. K for Kilo
Invoicing :	Selection, e.g. monthly
Rounding :	UP Rounding means if time of consumption is 0930 ? 1330 then up rounding will apply tariff applicable from 1000 Hrs to 1400 Hrs.
	Down Rounding would mean opposite of up rounding meaning for consumption from 0930 to 1330 rate applicable will be based on 0900 to 1300 Hrs.
Currency Unit :	E.G. euro
Valid From :	This tariff is valid from this date
Tariff Details :	Here the prices for the individual rates are defined as Day or night fare.
Holiday Allocation :	Here holidays are assigned to a tariff.
Extra Charges :	Here are additional charges, for example Current taxes defined

PLANNING

PLANNING OVERVIEW

Here all information about planning you can see.

	emc		Planning - Overview		29-08-2012 15:
	Measurement Category	Company	Name	Applied From	Interval
Gas	G	SMCB	Planning-S	01-05-2012	15 Minutes
Electrici	ty G	SMCB	Planning Strom	01-05-2012	15 Minutes
Level:	1		All	<u>v</u> #3 1≪≪ 1 ►	▶ 1 1-2(2) 5
perties					
	Measurement Catego	ory :	Select the Energy Type	9	
	Name :		Name of the planning		
	Interval :		Interval Type: 1) 5 Minutes 2) 15 Minutes		

2) 15 Minutes 3) Hourly 4) Daily 5) Monthly

PLANNING - DETAIL

On this screen you can enter plan data. This screen reduces effort of planning again and again. You can plan data for 1 complete year. Having chosen the provider, the tariff for planned power will become applicable.

emc							Pla	anning -	Detail				29-08-20	12 15:56:27
		M	easurem	ent (Category	Elect	ricity		~					
				Co	ompany* :	GMC	ß		~					
					Name* :									
			Cons	sump	tion Unit :				Wh]				
				L	oad Unit :				W					
					Scaling				*					
					oad (%)* :									
			Minimu	ım L	oad (%)* :									
					Interval :	5 Min	nutes		*					
				pplie	ed From* :					10				
	atte		lue [+]											
Mon		Tue	We	ed	Thu	Fri	Sat	Sun	Star	rt Date	End D)ate	Edit	

Properties :

Level: 2 🗲 🗉 🔿 🗶

Measurement Category :	Select name of the Energy Type
Name :	Name of plan
Consumption Unit :	Consumption Unit
Load Unit :	Load Unit
Scaling :	Scaling
Maximum Load (%) :	Maximum of load value
Minimum Load (%) :	Minimum of load value
Interval :	Interval Type: 1) 5 Minutes 2) 15 Minutes 3) Hourly
Applied From :	Planning will be applied up to that Date.
Plan Pattern Value :	Plan daily pattern value
Plan Pattern Value :	Plan monthly pattern value
Channel Allocation :	Allocate channel

DATA OUTPUT INTERFACE

DATA OUTPUT INTERFACE OVERVIEW

Schedule Data Output Interface Overview

emc		Data Output Interface - Overview	29-08-2012 15:57:3
			Z,↓
	Interface Namet	Interface F	ormat
DO-1		CSV	
Level: 1		All 💙 🚧 1 💷 🚿	1 🕨 🕪 1 1-1(1) 👼
perties :			
	Interface Name :	Interface Name	
	Interface Format :	Interface Format	

DATA OUTPUT INTERFACE - DETAIL

Data Output Interface

🚟 🏝 emc	Dat	a Output Interface - Detail	29-08-2012	15:58:32
Measurement Category : Electricity Gas Water Heat Temperature(°C) Company : GMCIS CB CB CB CB CB CB CB C-4 Co-5	Location : Strom Gas Wasser A230 Lo-1 Summator/Data Logger : SC-DL1 DL-SU1 Test_DL RealTime sample	Channel : st-sc-25 [St-SC-25] st-sc-26 [St-SC-26] St-SC-27 [St-SC-27]	Electro Parameter :	
Interface Name* : Interface Format :	abase 〇 CSV 〇 Text			
Level: 2 ()	[*]			

Properties :

Measurement Category :	Measurement Category
Company :	Company
Location :	Location
Summator/Data Logger :	Data Logger
Channel :	Channel
Electro Parameter :	Electro Parameter
Interface Name :	Interface Name
Interface Format :	Interface Format
Value Seprator :	Value Seprator
Action Type :	Action Type
Storage Days :	Storage Days
Separate File :	Separate File
File On :	File On
EMC Server Drive :	EMC Server Drive
Folder Path :	Folder Path
File Name :	File Name
Start Date :	Start Date
End Date :	End Date

ACTION STATUS

ACTION STATUS OVERVIEW

This screen gives the user an overview over the course of the past, guided by background processes. The user can see at a glance whether any recent actions have been carried out correctly or whether errors have occurred. This screen simplifies troubleshooting.

See also "log files", where all past actions are included.

- Included Actions:
- 1) Reads the consumption data (data logger, and CSV files)
 2) Scheduled Reports
 3) Recently backups

🕂 🛔 admin				Action Status						03-04-2013 18:40:59		
			Status : ComServer not Started									
Action Ty	ype All	۷										
Enable	Force	Company	Location	ActionType	Action On	Last Scheduled	Record Up To	Status	Frequency	Future Scheduled		
X	0	GMC-Germany	Hamburg	Read Datalogger	SU-DL1	-	07-11-2012 10:58:50		Every@ 00:15	-		
<	0	GMC-Germany	Hamburg	Read Datalogger	TestSL	-	14-03-2013 19:40:38		Every@ 00:15	-		
<		-	-	Schedule Report	Test-Mail	-	13-01-2013 16:31:47		Every@ 01:00	-		
X	0	GMC-Germany	Hamburg	Read Datalogger	SC-DL1	07-11-2012 11:45:00	07-11-2012 11:45:00	۲	Every@ 00:15	07-11-2012 12:00:00		
X	0	СВ	Nürnberg	Read Datalogger	DL-SC1	07-11-2012 11:45:00	07-11-2012 11:45:00	۲	Every@ 00:15	07-11-2012 12:00:00		
X		-	-	Schedule Report	TC-1	19-11-2012 10:45:00	19-11-2012 10:50:00	۲	Every@ 01:00	19-11-2012 10:50:00		
<		-	-	Schedule Report	Tc Test	28-11-2012 11:50:00	28-11-2012 11:30:00	۲	Every@ 01:00	28-11-2012 11:55:00		

Level: 1		I ≤ 1 ≤ 1 ≤ 1 ≤ 1 ≤ 1 ≤ 1 ≤ 1 ≤ 1 < 1 ≤ 1 ≤
roperties :		
	Enable :	v = action is on (Action will be carried out as planned) X = action is disabled (Action is not carried out in the next scheduled start)
		The action is enabled by default. With a click in the icon, the process ca be turned on and off.
	Force :	This button opens a window, with the re-reading of a data logger can be enforced(Only for data logger).
	Company :	Company
	Location :	Location
	Action On :	Name of the data logger or the report
	Last Scheduled :	Last execution date and time of last action
	Record Up To :	The date and time of the last processed data
	Status :	Provides information about the success of the action Green: Action was successful Yellow: Read-holes (for data logger) Red: There were errors. Clicking on the status icon displays details of th action
		Yellow Indicates that reading operation is in process. Red image Indicates that last reading operation was not successful.
		Also it must be noted that these signals also are link to detailed log information. This information can be seen in a new window that pops-up on clicking status signal.
	Frequency :	Indicates how often the action is performed, e.g. "All @ 00:15" = every

Frequency :	minutes
Future Scheduled :	The next scheduled start
Action Type :	Action Type

LOG INFORMATION

LOG INFORMATION OVERVIEW

This screen shows all the actions that were performed in the past with the respective status. The log information will be stored for fixed number of days in accordance with the EMC system settings. After reaching the storage day the oldest log information is cleared.

The number of storage days can change by the user. However, it should be noted that an increase in storage days required more disk space. The default setting is 30, i.e. Log files that are older than 30 days will be deleted

🕂 🛔 admin				Log Information				03-04-2013 18:43
Company All	*	Action Type All	*					Z A
Location All	*							
Action Type	Company	Location	ActionOn	Executed Time4	Scheduled Time	Read Up To	Status	Reconnection
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 19:45:00	02.11.12 19:45:00	02.11.12 19:45:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 19:30:00	02.11.12 19:30:00	02.11.12 19:30:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 19:20:12	02.11.12 19:30:00	02.11.12 19:30:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 19:15:00	02.11.12 19:15:00	02.11.12 19:15:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 19:00:00	02.11.12 19:00:00	02.11.12 19:00:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 18:45:00	02.11.12 18:45:00	02.11.12 18:45:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 18:30:00	02.11.12 18:30:00	02.11.12 18:30:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 18:15:00	02.11.12 18:15:00	02.11.12 18:15:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 18:00:00	02.11.12 18:00:00	02.11.12 18:00:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:45:00	02.11.12 17:45:00	02.11.12 17:45:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:30:00	02.11.12 17:30:00	02.11.12 17:30:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:23:16	02.11.12 17:23:00	02.11.12 17:15:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:15:00	02.11.12 17:15:00	02.11.12 15:00:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:13:12	02.11.12 17:13:00	02.11.12 15:00:00	۲	0
Read Datalogger	GMC-Germany	Hamburg	SC-DL1	02.11.12 17:00:01	02.11.12 17:00:00	02.11.12 15:00:00	0	0

Level: 1 🗲 🤈 🏝

Properties :

Action Type :	Gives information about the action, e.g. "Read data logger", "backup"
Company :	Company
Location :	Location
ActionOn :	Name of the data logger or the report
Executed Time :	Implementation date and time of last action
Scheduled Time :	Last execution date and time of last action
Status :	Provides information about the success of the action Green: Action was successful Yellow: Read-holes (for data logger) Red: There were errors. Clicking on the status icon displays details of this action
Reconnection :	Indicates how many repetitions during connection establishment were needed to reach the unit. Normally = "0".
Company :	Company
Location :	Location
Action Type :	Action Type

All

🚽 🎮 🔰 1 🐗 ┥ 9 🕨 🕪 11 121 - 135(153) 👼

MANUAL INPUT

In certain cases it may be necessary to correct consumption values, e.g. exchange at a counter. This can be carried out using this screen.

According to the assignment of a channel to its data logger, 5 or 15 minute values are recorded in the table. After selecting a channel, the stored values are displayed and can be overwritten

Measurement Electr Category :	icity	~	Hour	00:15	00:30	00:45	00:60	
Company : GMC-	Germany	*	0	0	00.50	00.45	0.00	٦
Location : Hamb		~	1	0	0	0	0	۲
Summator/Data SC-DI	L1	~	2	0	0	0	0	5
Channel : St-SC	-25 [St-SC-25]	~	3	0	0	0	0	
Electro Parameter :Sele	ct	~	4	0	0	0	0	
Input Via : 💿 Ma	nual 🔿 CSV		5	0	0	0	0	
Date : 3-04-2	013	10	6	0	0	0	0	٦
Reading Interval : 15		~	7	0	0	0	0	٦
			8	0	0	0	0	٦
			9	0	0	0	0	٦
			10	0	0	0	0	٦
			11	0	0	0	0	٦
			12	0	0	0	0	٦
			13	0	0	0	0	7

Level: 1 🗲 🗉 🤈

Properties :

Measurement Category :	Choose a energy type
Measurement Category .	Choose a energy type
Company :	Choose a Company
Location :	Choose a location
Summator/Data Logger :	Select a data logger
Channel :	Select a channel
Electro Parameter :	In prepration
Input Via :	Manual: Input via the screen table CSV: Input from a CSV file
Date :	Choose a date
Reading Interval :	Appears automatically
File :	CSV to be included

XLS UPLOAD FOR CHANNEL CALCULATION

XLS UPLOAD FOR CHANNEL CALCULATION OVERVIEW

This feature allows an Excel file to passed to EMC in which any calculations can be performed by the user. Complicated calculations are supported,

for example, Required calculation in cost center accounting can be done.

There are separate files for different reading cycles, eg 15-minute reading and for monthly.

This Excel file is executed after each read operation.

This Excel file consists of 3 sections:
1) Input range of EMC to Excel This defines the user channel name that will make EMC the Excel file may have.

This area is then filled with the current read channel values. 2) Output range from Excel to EMC

- Here the user defined channel names whose values are to be acquired by EMC are stored 3) User Workspace

In this area, the user can perform arbitrary computations. The user gets its values from the input area, and stores the results in the output area.

The overview screen shows all previously uploaded Excel files. You can only have one file for each reading interval.

🚟 🌡 emc	XLS Up	load for Chanı	nel Calculatio	n		29-	08-2012 1	6:03:10
								₹↓
	XLS File Namet					Interval		
CostCenter_amit.xls						All		
Level: 1 🗲 🕂 🕥 🏝			All	🚩 🏟 1	≪ < 1	▶ ▶ 1	1 - 1(1)	鍧
operties :								
, poi 100 i								

XLS File Name : Interval :

File name of the Excel file, that EMC will use Reading interval

XLS UPLOAD

With this screen, one Excel file is transferred to EMC. With the "+" button, the Excel file is selected by the user's PC.

	emc		XLS Upload		29-08-2012 16:03:50
		Interval :	A.I.		
		Upload XLS File :		+ *	
Level					
Propertie	s :				
	Interval :		Reading Interval when the I	Excel file to be executed	
	Upload XLS File :		File name of the Excel file		

DOWNLOAD SUPPORT FILE

Support files contain all relevant information to EMC installation that is required in case of error, to give to the manufacturer to be able to give support

In the event of an error, please send these files to support the failure of the manufacturer of your contact, with a detailed description The support files are stored on the EMC server. The user is prompted to select a directory.

🗮 🌡 emc				I	Dow	/nlo	ad S	Support F	ile							29-08-2012 16:04:31	
Download * :	⊡ Lo	ogs 🗹	Dat	a													
Start Date :	≤	Aug	ust	≥	≤ 2	2012	<u>2</u> ≥	End Date:	≤	Aug	<u>just</u>	≥	≤ 2	2012	2 ≥		
	Мо	Tu	We	Th	Fr	Sa	Su		Мо	Tu	We	тh	Fr	Sa	Su		
			1	2	<u>3</u>	<u>4</u>	<u>5</u>				<u>1</u>	<u>2</u>	<u>3</u>	4	<u>5</u>		
	<u>6</u>	Z	8	2			12		<u>6</u>	Z	<u>8</u>	9	<u>10</u>	<u>11</u>			
		<u>14</u> <u>21</u>					<u>19</u>				<u>15</u>						
		<u>28</u>				23	20				<u>22</u> 29			25	20		
	_	_		_	_							20	<u></u>				
Level: 1																	
Properties :																	
Download :						Lo Dat	gs: (ta: C	Create the create the	log data	files a file	S						
Start Date :						For	сор	ying the c	ons	ump	otion	data	a				

For copying the consumption data

End Date :

DEFINITION USER GROUPS

DEFINITION USER GROUPS OVERVIEW

In EMC, the user's rights to the User groups can be defined. Individual users are then assigned to the user groups. Users will receive all the rights of the associated user group.

This overview screen shows all defined user groups.

Admin has always full privileges for all screens.

emc	Definition User Groups - Overview 29-08-2012 16:	05:4
Application Energy Management C 🛩		Z I
Group Namet	Project Name	
EMC	Energy Management Control	
GUEST	Energy Management Control	
		D.
Level: 1 🗲 🕂 🔊 🏝	All All	3
perties :		
Group Name :	User Group Name	
Project Name :	This column displays the Project Name.	
List Users :	List Users to whom group is allocated	
Application :	Name of the Application	

Name of the Application

USER GROUP DETAILS

In this screen, the access rights for a user group can be defined.

emc 🔒	User	Group Deta	ils			29-08	-2012 16:07
Name							Z
Project Energy Management C 🛩							
Screen Namet 1	Screen Type	No Access	View	Modify	Add/Delete	Lock/Unlock	Release
Action Status	OVERVIEW	۲	0	0	0		
Application Properties - Overview	OVERVIEW	۲	0	0	0		
Backup - Overview	OVERVIEW	۲	0	0	0		
Channel - Overview	OVERVIEW	۲	0	0	0		
Company - Overview	OVERVIEW	۲	0	0	0		
Company Graph	OVERVIEW	۲	0	0	0		
Company RealTime Graph	OVERVIEW	۲	0	0	0		
Company Report	OVERVIEW	۲	0	0	0		
Consortium - Detail	Detail	۲	0	0	0		
Content Right Groups - Overview	OVERVIEW	۲	0	0	0		
Cost Center - Overview	OVERVIEW	۲	0	0	0		
Cost Center Structure	OVERVIEW	۲	0	0	0		
Customize Screen Labels - Overview	OVERVIEW	۲	0	0	0		
Data Output Interface - Overview	OVERVIEW	۲	0	0	0		
Definition User Groups - Overview	OVERVIEW	۲	0	0	0		
Demo Data	Detail	۲	0	0	0		
Download Support File	Detail	۲	0	0	0		
Easy Installation	Detail	۲	0	0	0		
Electro Parameter - Overview	OVERVIEW	۲	0	0	0		
Historical Graph	Detail	۲	0	0	0		
Historical Report	Detail	۲	0	0	0		
	- · · ·	-	-	-	-		

Properties :

Screen Name :	Name of the screen where such rights to apply
Screen Type :	Type of the screen (overview screen or detail screen)
No Access :	Users of this groups can not access this screen.
View :	User of this group can view this screen
Modify :	Users of this group can modify data content
Add/Delete :	Users of this group can create and delete records
Lock/Unlock :	Not Implemented
Release :	Not Implemented
Project :	Project name

CONTENT RIGHT GROUPS

CONTENT RIGHT GROUPS OVERVIEW

This screen allows content permissions.

E.G. A group of users get rights to access only certain channels or datalogger, then the group of users maintain access to the channel screen, but user can only select your defined channels and view them according to their access rights.

🚟 🎍 emc	Content Right Groups - Overview	29-08-2012 16:08:1
		ž 1
Group Namet	Application	
Demo-Rights	Energy Management Control	
Guest Content Rights	Energy Management Control	
Test	Energy Management Control	
Level: 1 (+) () 🖹	Ali 💌 🚧 1 📢 1 🕨	▶ 1 1-3(3) 扇
perties :		
Group Nama i	Croup name for substantive rights	

Group Name : Application : Group name for substantive rights. Application

CONTENT RIGHT GROUPS - DETAIL

On this screen, the contents are defined that can be accessed by a group of users.

Company :

Location :

Channel :

Virtual Channel :

Cost Center :

👫 🛔 admin	Cor	ntent Right Groups - Detail		04-04-2013 09:31:13
	Group Nam	e* : Guest		
	Applicati	on : EMC 💌		
Measurement Category* :	Location* :	Channel* :	Cost Center :	
Electricity	Hamburg	St-SC-25[St-SC-25]	ABT1	
Gas	Nürnberg	St-SC-26[St-SC-26]	KST-1	
Water	Berlin	St-SC-27[St-SC-27]	ABT2	
		St-SC-28[St-SC-28]	ABT- KST	
Company* :	Summator/Data Logger* :	Virtual Channel :		
GMC-Germany	SC-DL1	VC-Test		
CB	DL-SC1	KST-1		
CBG	SU-DL1 TestSL			
	TestSL			
		,	1	
Level: 2 🗲 🗉 🤈	×			Created By - emc, 11-12-2012 18:43:09
perties :				
Group	Name :	Group Name		
Applic	ation :	Application		
Measurement Category :		Select one or more types	of energy that user	group can access

١Y 9) Select one or more companies that user group can access. Select one or more locations that user group can access. Summator/Data Logger : Select one or more data logger that user group can access Select one or more channels that group of users can access Select one or more virtual channels that user group can access Select one or more types of cost center that user group can access.

USERS

USERS OVERVIEW

This screen displays the existing users and the selection provided.

emc 🖁			User - Overview	29-08-2012 16:10
Project All	~			ž
User Pho		User Name	Login Id†	Login History
2	EMC		emc	29-08-2012 00:00:00
2	guest		guest	29-06-2012 00:00:00
			All	
Level: 1			All	→ 🖓 1 < ব 1 ► 🕨 1 1 - 2(2) 🗿
perties :				
	User Photo :		User Photo	
	User Name :		Having a name of t	he user which is created.
	Login Id :		It is a id through wh	ich user can login in the selected project.
	Application :		Application	
	Project :			ys the Project Name.
	Login History			hat last time user will be login up to that date
	Login matory	•	Login Date information	hat has time user will be login up to that date

USER - DETAIL

With this screen, the user is defined by assignment of group rights and substantive rights, which the user can run in EMC.

User Groups: Here, the user is assigned to the user groups

Content rights: Here the content rights are assigned to users

	emc	User - Detail		29-08-2012 16:10:45
	User Name* : Login Id* : Password* : Retype Password* :		User Photo	
	Email* :			
	Telephone No.			
	Language* :Se	lect 💌		
	User Groups [+]	up Name	Group Type	
Level	2 () *			
Properties	s:			
	User Name :	Name of the use	r	
	Login Id :	Login Id, with thi	s name usr can login to the EMC	
	Password :	assword, associa	ated password for Login ID	
	Retype Password :	Repeat the pass	word	
	Change Password :	Enter a new pas	sword	
	Email :	Email address o	f the user	
	Telephone No. :	Telephone No. c	of the User	
	Language :	Default language	e for the user	
	Application :	Application		
	User Photo :	Here is a photo	uploaded by the users	
	isActive :		d user to activate or deactive the u	iser already created.
	User Group List :		ser groups assign to this user.	2
	Location :	Specify whether	the user may add locations and/or ne can also adjust that the user can	r may remove or n only read data read
	Area :	Area		
	User Contain :	User Contain		

LICENSE DETAILS

Licensing

Street Via Romagna, 4 Feature Name No of Records Used Records Remaining Record Country Code Image: Country Country Country Country Country Co	Cor	sortium Name :	GMC Italy		License Summa	any		
Street Via Romagna, 4 Company 5 5 Country Code I Location 99999 11 999 ZIP 20853 Datalogger 99999 17 999 Town Biassono MB Channel 99999 33 999 Tax No 1234 Energy 99999 11 999 Expiry Date 2099-12-31 Users 99999 10 999 icense Packages Date No of Times Package Name Applicable	001						Used Records	Remaining Records
Country Code : Location 99999 11 9999 ZIP : 20853 Datalogger 99999 17 999 Town : Biassono MB Channel 99999 33 999 Tax No : 1234 Energy 99999 11 999 Expiry Date : 2099-12-31 Users 99999 10 999 icense Packages Date No of Times Package Name Applicable Applicable Applicable		Street :	Via Romagna, 4					•
ZIP : 20853 Datalogger 99999 17 9999 Town : Biassono MB Channel 99999 33 9999 Tax No : 1234 Energy 99999 11 9999 Expiry Date : 2099-12-31 Users 99999 10 9999 icense Packages Date No of Times Package Name Applicable Applicable		Country Code :	1					
Town: Biassono MB Channel 99999 33 9999 Tax No: 1234 1234 99999 9 9999 9999 9999 9999 9999 9999 9999 9999 10 9999 Expiry Date : 2099-12-31 Users 99999 10 9999 icense Packages Applicable Applicable <th< td=""><td></td><td>7IP ·</td><td>20853</td><td></td><td></td><td></td><td></td><td></td></th<>		7IP ·	20853					
Tax No : 1234 Virtual Channel 99999 9 9999 9999 99999 99999 11 9999 99999 11 9999 99999 11 9999 99999 11 9999 9999 10 9999 9999 10 9999 9999 10 9999 9999 10 9999 9999 10 9999 9999 10 9999 9999 10 9999 9999 10						99999	33	
Expiry Date : 2099-12-31 Users 99999 10 999 icense Packages Date No of Times Package Name Applicable		I own :	Biassono MB		Virtual Channel	99999	9	99990
Expiry Date : 2099-12-31 Users 99999 10 9999 icense Packages Date No of Times Package Name Applicable		Tax No :		1234	Energy	99999	11	99988
icense Packages Date No of Times Package Name Applicable		Expiry Date :	2099-12-31			99999	10	99989
	01-02-2012		onininted	5.U.Ua				

Level: 1

Properties :

Consortium Name :	Consortium Name
Street :	Street
Country Code :	Country Code
ZIP :	ZIP
Town :	Town
Tax No :	Tax No
Expiry Date :	Expiration date of license file

APPLICATION PROPERTIES

APPLICATION PROPERTIES OVERVIEW

This screen displays all of the settings that have been made for EMC installation. By double clicking on a parameter, user can change these settings, if the user has the appropriate rights.

🗮 🌡 emc		Application Properties - Overview	29-08-2012 16:12:15
Property Type All	✓		ž 1
PropertyType †	Parameter Name	Parameter Description	Parameter Value
Application	Graph_Refresh_Interval	This interval is used for Graph Refresh. Please give value in second.	30
Level: 1 🗲 🖸	+) () (*)	All 🛃 🛃 1 📢 1 🕨	🕪 1 1-1(1) 👼
operties :			
-	PropertyType :	Application or Comserver	
	Parameter Name :	Parameter Name	
I	Parameter Descriptio	n: Description, any text	
1	Parameter Value :	Parameter Value	

Property Type (Key Field)

Property Type :

APPLICATION PROPERTIES - DETAIL

With this screen, individual parameters can be viewed or modified. Changes should only be performed by experienced users, as this affects the way work of EMC.

🚟 🌡 en	nc Appli	cation Properties - Detail	29-08-2012 16:12:51
	Parameter Name :		
	Parameter Name . Parameter Description :		
		~	
		ADMIN	
	User Group :	GUEST	
	Property Type :	O Application O ComServer	
	Parameter Value Default		
	Default	Value	
Level: 2	Save Record		
Properties :			
	Parameter Name :	Name of the parameter	
	Parameter Description :	Description, any text	
	Parameter Description :	Description, any text	
	User Group :	This parameter is valid for this user group.	
	Application :	Not implemented for user.	
	Property Type :	Application (EMC) or Com Server	

Parameter Value :

Parameter Value can specify here, Default Value can be chosen.

CUSTOMIZE SCREEN LABELS

CUSTOMIZE SCREEN LABELS OVERVIEW

User can change field names and headings in reports

Example: A company has several locations and wants the term "Location Name" instead of "Location". This can be done with this screen. This adjustment is carried out language-dependent.

emc	Customize Screen Labe	els - Overview	29-08-2012 16:13:29
Language All	~		Z I
Language Namet	Actual Property N	ame New Pro	perty Name
German	Cost Area	Department	
German	Cost Area	Department	
	All	<mark>⊻</mark> #4 1≪1	▶ ▶▶ 1 1-2(2) 👼
operties :			
Language :	Language (K	ey Field)	
Language Nar	me: Language na	ame, e.g. "German"	

Pr

Language :	Language (Key Field)
Language Name :	Language name, e.g. "German"
Actual Property Name :	EMC standard field names, which should be replaced
New Property Name :	New field name that the user determines

CUSTOMIZE SCREEN LABELS - DETAIL

Here the language specific replacements are defined.

🚟 🌡 emo	c Customize	e Screen Labels - Detail	29-08-2012 16:14:18
	Language	: English	
	Actual Property Name		
	New Property Name		
	New Property Name	-	
Level: 2			
Properties :			

Language : Actual Property Name : New Property Name : Language in which the replacement is to be performed EMC standard field-name (to be replaced in the future) New user defined field name.

EASY INSTALLATION

With your setup (Easy installation), channels can be created in a simplified form.

The channels with their parameters are defined by the user in a CSV file and pass this at EMC screen. The CSV file has a fixed format.it can create channels and will be deleted.. See sample file in the Installetions CD.

admin 🛔		Easy Installation	31-08-2012 12:20:02
	Upload CSV File:	Browse	
Level: 1			
operties :			
Easy	/Installation :	Enter the name (including the p selection using the Browse but	bath) of the uploaded CSV file or file ton.
Easy	/ Install Status :	Here list of channel name and Channel is added successful e	its status can be view. If Green Dot : lse there is some error.

BACKUP APPLICATION

BACKUP APPLICATION OVERVIEW

The user can define one or more backups e.g. a daily backup at the EMC server and a weekly backup on another server / PC.

This screen shows all defined backups

ei 🗄	mc	Backu	up - Overview			29-0	08-2012 1	16:01:4
								Z I
	Backup Name↑		Backup Filepath			Schedule	e	
Test		E:\Hiten\			@ 00:05			
Level: 1			All	<mark>∽</mark> #%i 1 ⊲	≪	▶ ▶ 1	1 - 1(1)	闘
operties	:							
	Backup Name :	Use	er assigned name					
	Backup Filepath :		h where the backup is a	stored				

BACKUP - DETAIL

In this screen, the details are set for the backup

Schedule :

	emc	Backup - Detail	29-08-2012 16:02:21
	Backup Nam	e* : Dn :	
	EMC Server Dri		
	Folder Pa		
		le : Schedule Not Defined	
Level:			
Propertie	s :		
	Backup Name :	Name of the backup	
	Backup On :	Server / PC on which the backup should be stored a) EMC server b) PC in the network	b
	EMC Server Drive :	Drive of EMC Server	
	Folder Path :	Directory for the backup	

Here the user can define when the automatic report should be created. Click on the date to open the window to select the times.

RESTORE APPLICATION

With this screen previously saved data items can be reloaded back. All changes made since the backup rehearsed changes in EMC have to be done again. The reading from the previous time is saved automatically if the data in the data logger is present. Manual input files may need to be made available again. This function must be performed by experienced users.

🗮 🛔 admin	Restore Application		31-08-2012 12:20:37	
		Upload Backup File: Browse		
Level: 1				
operties :				
	Restore :	Enter the file name, or select th	e Browse button.	
	Restore Status :	Here list of backup files and its is successful else there is some	status can be view. If Green Dot : Back	