

Readings	onel Notasi Anon-date To date	H000 L0 Mart metar 80-05-2000 91-04-2000		
Settings Units	Pressue reading Presser reading Nan-demand	81.0552831 81.0952831 83.0952833 36.00 -0.13 MM		
Price lat Price lat Power quality			Dell-matty	* 0.00 * 1000 * 1700
Trends Transis Transis stat Transis stat			iliyadka mika mika a	usion
CA	Date	Off peak (KWN)	Mid peak (KWN)	On peak interfol
	6145053	183.57	100.40	100.1
A REAL PROPERTY AND A REAL	4245203	247.83	100.00	895.0
Diagon careful a	ENENCEL1	213-24	2.011.388	1.9651
O Adde Cardon 4	distant from the second	225.02	120.04	1.251
Oran conset Advancer Loginz	590354111		114.21	1,8651
Adventer Logisz	Perform	219.12		1,445.1
Adventer Loginz	64950111 64950111	219.12 256.83	137.82	
Allender Allender Lagez	06455011 06452011 86452011 81455011	219.13 254.83 298.18	11532	1.645
<ul> <li>Organization</li> <li>Organization</li> <li>Adaption</li> <li>Adaption</li> <li>Adaption</li> </ul>	00050000 00050000 0005000 0005000 0005000	219.12 264.83 286.34 306.33	13532	1.445 1.445
Adaptation	Profession Profession Profession Profession Profession Profession	239.33 256.80 296.38 306.33 207.37 207.37	10.52 145.00 146.00 101.07	1.445 1.485 1.435
Ammina Ammina Ammina Ammina Ammina	044552111 044752111 044752111 010552111 044552111	219.12 254.03 294.04 304.03 304.03 304.03 304.03	105.02 145.00 145.00 161.00 161.00	1.4P 1.4P

# **ELNetWeb** Billing and Power Quality software

**General Information** 

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# **1** Overview

Elnet WEB is a user friendly software package that is especially designed for logging electrical energy consumption from Elnet Powermeters and generating electrical bills. Elnet Billing provides detailed energy reports on a daily, monthly and annual basis, as well as advanced T.O.U. billing capabilities. Data can be exported to Excel data base.

The purpose of this document is to provide general information about the software Elnet WEB and the options that it offers. The software is the perfect solution to monitor energy consumption and prepare bills, consumption reports, monitor trends etc.

Elnet WEB is the energy billing solution for hospitals, business buildings, shopping centers or and building where electrical energy monitoring is needed. Preparing bills for tenants based of their consumption is done with ease!



Figure 1 General overview on the user inferface of Elnet WEB

# 2 System requirements for ELNetWeb server

Installation must be done as administrator on Windows 7 or Windows server 2008 Machines. On Windows XP the installation must be using Admin privileges. (Please read the attached to the installation files README file before installing).

Component	Requirement				
Computer and processor	500-megahertz (MHz) processor or higher; 1 gigahertz (GHz) or higher is recommended.				
Memory	2GB or higher is recommended. More memory may be needed for certain advanced functionality.				
Hard disk	5 gigabyte (GB) available disk space. Backups and large databases may require larger storage.				
Operating system	Supports both 32-bit or 64-bit editions of Windows Server 2008, Windows Server 2003, Windows 7, Windows XP				
Additional	Requirements and product functionality can vary based on the system configuration and operating system.				
Other	<ul> <li>Supported antivirus software: Norton anti-virus, Windows defender.</li> <li>We have some bad experience with other antivirus software (such as Kasparsky)</li> <li>Functionality requires Internet WAN/LAN access.</li> </ul>				

System requirements for ELNetWeb Client:

Component	Requirement
Operating system	The system supports different clients including mobile phones and tablets. The system supports different Operating systems including Windows, Mac OSX and Unixes.
Additional	Requirements and product functionality can vary based on the system configuration and operating system.
Other	<ul> <li>Supported browsers: IE-8 and above, Chrome-8 and above, Firefox-8 and above.</li> <li>Functionality requires Internet WAN/LAN access.</li> </ul>

# **3** Program Activation

# 3.1 Setting up the program

After the program is installed and the interface (Billing, PQ, PQ + Billing)

restored:

1. Activate your browser (Internet Explorer, Firefox etc..) and insert in the address line:

"localhost/elnetweb/". The ELNetWeb Welcome screen will appear.



Figure 2 Elnet WEB Welcome Screen

- 2. Insert the user name and password (ask your local software distributor).
- 3. The home screen will appear.

# 4 Meters and Accounts settings

At the left part of the screen located all the menus of the software, based on to the user interface and user access definitions.

Reports	Home			
Billing .				
Cornampter				
			Total Contest	
5ettings			10 11 11 11 11 11 11 11 11 11 11 11 11 1	
lints		1.00	SHIF HILLING	
Accounts		-		195
Tradition .				100
veadings.				
lintrestings		20		
Price list			And Address of the Owner of the	
min Let			E E	12 12
Contract of Contra				100
Power Quality				144 147 (144
EN DOLAS Report		Contraction of the local division of the loc		
Wave Forms		1000		
Frends				
Tranda				
Trends, Dell				
Treods, Stat				

**Figure 3 Home Screen** 

Creating\updating a meter in the software:

In order to read the data from an ELNet powermeter, it must be defined in the Software. These definitions will contain all the general and communication Information.

# 4.1 General definitions:

#### 4.1.1 Communication defenitions:

- 1. In the left toolbar, under the "Settings" menu click on "Units".
- 2. The Unit settings screen will appear.

Tcp/IP Tal/TCP	Serial
IP	192.168.37.10
СРО	7
Hide Set	
🗆 Open URI for edit 🕅	Show URI wizard

#### Figure 4 TCP/IP communication

4. In the IP field please insert the IP address of the meter.

In the CPU field please insert the serial communication address of the meter.

#### 4.1.2 Serial communication:

Serial communication:

- 1. In the left toolbar under the "Settings" menu click on the "Units" menu.
- 2. The Unit settings screen will appear.
- 3. Click on the "Serial" button.
- 4. The Serial communication settings screen will appear.

Tcp/IP Tal/TCP Serial			
Com COM1	¥		
Settings 4800	Even	. 8	• 1
Line 1	×	CPU 1	System д 💌
Hide Set			
🗆 Open URI for edit 🗹 Show URI wizard			



5. COM - the correct serial COM number to which the meter is connected.

#### Important - to each PC COM can be connected up to 31 meters only!

- Settings the Baud Rate, Parity, Data bit (default 8) and Stop bit (default 1) – ass defined in the meter.
- 7. Line only if using Tal-Win communicatin convertor. If not, remains line 1.
- 8. CPU the serial address of the meter (1-31).

- 9. System used only with ELNet TXT meters.
- 10. Once finished click on the "SET" button.

#### 4.1.3 TAL/TCP communication:

- 1. In the left toolbar under the "Settings" menu click on the "Units" menu.
- 2. The Unit settings screen will appear.
- 3. Click on the "TAL/TCP" button.
- 4. The TAL/TCP communication settings screen will appear.

Tcp/IP Tal/TCP Serial	
IP 192.168.0.0 Line 1 CPU Hide Set Open URI for edit 🗹 Show URI wizard	Port A

#### **Figure 6: TAL/TCP communication**

- 5. The TAL TCP communication settings are aplied in case that a meter with TCP IP communication port is used as gate way for other meters connected to it by RS485 (up to 31 meters) or in case that a TAL TCP model convertor is used.
- 6. IP the IP address of the Gate Way meter or TAL TCP convertor.
- 7. Line only for TAL TCP convertor, choose the line number is used.
- 8. CPU the serial address of the meter connected by RS485.
- 9. Port only for TAL TCP, choose the TAL TCP port.
- 10. System only for ELNet TXT meters.
- 11. Once finished click on the "SET" button.

#### 4.1.4 Saving \ updating the defenitoins:

 Once all the defenitions (general defenitions and communition) of the meter are ready, click on the "Add / Change" button, this will add the meter to the system.

Project	Location	Building
Search	All	All
		Show units
Add / Change		

#### Figure 7: "Add / Change", "Show unit list"and "Show units" buttons

- Clicking on "Show unit list" will allow to search for particular meter in the system, or by clicking on the "Show units" will present the entire list of meters which are existing in the system. In order to change the definitions in already existing meter, choose it from the list, repeat on steps from paragraphs 3.1.1 – 3.1.3, when finished click "Add / Change".
- In order to delete an existing meter, choose it from the list, and click on <u>"Delete Meter" button. Careful – this can't be undone!!!</u>

# 4.2 Creating\updating an account (client) in the software:

In order to create a billing report, an account (the bill client) must be created in the software. These definitions will containe all the general information which will appear on the bill and the link (formula) with the phisical meters that are related to the account.

# 4.2.1 General definitions:

- 1. In the left toolbar under the "Settings" menu, click on the "Accounts" menu.
- 2. The Accounts screen will appear.

Biling				
Consumption				
Readings	Billing adress			
· Unit readings	Name	Street	City	y
Settings	Client	street name	Cit	У
· Units	Phone	E.Mail	Aco	ount number
<ul> <li>Accounts</li> </ul>	12345678			
Price list				
• Price list	V. Unit settings			
Device and the	V. Unit number	Name/N	otes	
Power quality	V003	Main bo	ard phase 2	
<ul> <li>wave forms</li> </ul>	Formula			
Trends	L2M001			
<ul> <li>Trends</li> </ul>	Project	Location	1	Building
<ul> <li>Trends - stat</li> </ul>	Demo	Demo		24A
<ul> <li>Trends - diff</li> </ul>	Drice group			
	Electricity - Tou	×		

**Figure 8: - Accounts** 

- 3. **Billing** address Name, Street, City, Phone. E.Mail, Account number all this general information will appear on the billing report.
- Unit number each account must receive a unique number for Identification in the software. Every account number must start with the Letter V, for example V1678.
- 5. **Name/Notes** name of the account.
- 6. **Formula** the formula is the link between the account and the physical Meters the in system.
  - a. Example 1: If the account combined out of 1 meter which name is

M07, the formula would be M07.

b. Example 2: If the account combined out of sum of 2 meters M07 and

M08, the formula would be M07+M08.

c. Example 3: If the account combined out of phase number 3 of meter

M07, the formula would be L3M07.

7. Project, Location, Building - general information about the account, will apear in billing reports and assists in searching for the account in other program menus.

8. Price group – defines the price groups that are used for charging for the consumed energy.

# 4.2.2 Saving \ updating the definitions:

- Once all the defenitions of the account are ready, click on the "Add / Change" button, this will add the account to the system. (Please check Figure 3.6)
- 2. Clicking on "Show unit list" will allow to search for particular account in the system, or by clicking on the "Show units" will present the entire list of accounts which exist in the system.
- In order to change the defenitions in already existing account, choose it from the list, and repeat steps from pragraphs 3.2.1 – 3.2.2, when finished click "Add / Change".
- 4. In order to delete an existing account, choose it from the list, and click on "Delete Account" button. **Carefull this can't be undone!!!**

# 4.3 Price lists:

The price list menu allows creating a several price groups, according to which the account will be charged. These defenitions will contain the type of the Charge (according to TOU or Flat), the cost for consumed KWH, commissions, VAT and the dates these prices are come in force.

#### 4.3.1 Creating\updating price groups in the system

- 1. In the left toolbar click on the "Price List" menu.
- 2. The Price list screen will appear.

Price setting		
Price group	Price name/Identifier	Valid from date 31-08-2011
Rate 3 (Cent/kWh)	Rate 2 (Cent/kWh)	Rate 1 (Cent/kWh)
Flat (Cent/kWh)	Fixed per day (Euro/Day)	Vat %
Comision %	Price type elec. tou	I



- 3. **Price group** the name of the price gorup. Each account can be charged according to different prices as defined in the price group which is attached to the account.
- 4. **Price name / Identifier** the name of a subgroup in the price group. Each Price group can store a list of price subgroups (for example differnet seasons Summer, Winter etc..).
- Valid from date the date on which the prices are become in force. If the report was created for a period of time in which a price change accured, the report will be split in parts with different prices according to relevant dates.
- Rate 1, Rate 2, Rate 3 (cent/kwh) the cost of single KWH per Rate 1,2,3. (Used only when TOU metering is requiered). Please make sure that the ELNet meter is activated according to your local TOU defenitions. If you are using only 2 rates, then fill in the prices for Rates 1 and 2 only. (Rate 1 is always the lowest).
- 7. **Flat** the cost of single KWH in case the TOU metering is not requiered (Refers to accumulated energy only).
- 8. **Fixed per day** fixed cost per day, with no reference to the consumed energy.
- 9. VAT % the VAT % charges of your local market, will be added to the bill.
- 10. Comision % comision charges, will be added to the bill.
- 11. Price type choose the price type being used (TOU, Flat or other).

#### 4.3.2 Saving \ updating the defenitoins:

- Once all the defenitions of price groups are ready, click on the "Add / Change" button, this will add the price group to the system. (Please check Figure 3.6)
- 2. Clicking on "Show unit list" will allow to search for particular price group in the system or by clicking on the "Show units" will present the entire list of price groups which exist in the system.
- In order to change the defenitions in already existing price group, choose it from the list, and repeat the steps from pragraphs 3.2.1 – 3.2.2, when finished click "Add / Change".

# **5** Reports

#### 5.1 Billing report

According to desirable dates and account details, the user can easily create a billing report, which will present the consumed energy and its costs.

billing View					
From date	01-06-2011		To date	30-06-2011	
Announcements					
1					
Days until payment					
21					
Show charts					
- O Adjust usite list					
- Adjust units list					
Project		Location		Building	
10"	-	1 100			-
Search					
Chan waits list	-				
Show units list					
Create report	Create report (Po	ŋ			

#### **Figure 10: Billing**

 Choosing dates – in order to choose the time period to create a bill, simply click on the dates at "From date" and "To date" and define the desirable dates

From date	01-0	5-201	1				
Announcements	0		Ju	ne 20	11		0
	Su	Мо	Tu	We	Th	Fr	Sa
				1	2	3	4
Days until paymen	5	6	7	8	9	10	11
21	12	13	14	15	16	17	18
Show charts	19	20	21	22	23	24	25
− Þ Adjust units li	26	27	28	29	30		
Create repor	t			C	reate	repo	rt (Pd

Figure 11: Choosing dates

- 2. **Announcements** a special announcement that will appear on the report. (Not mandatory).
- 3. **Days untill payment** amount of days that are reamain until payment will appear in the report. (Not mandatory).
- 4. Show charts if marked will attach historical charts on the bill.
- 5. Clicking on Adjust units list allows to search from the sub menus (project, location, building) the account.

Adjust units list			
Project All	Location All	Building All	
Search			
Show units list			
Create report	Create report (Pdf)		



- 6. Create report will create a billing report on screen.
- 7. Create report (PDF) will create the billing report in PDF format file.
- 8. Clicking on create report without choosing a particular account will create all the reports for all the accounts that exist in the system.
- 9. In order to replace the logo that appears on the top of the billing report, please

access the "Images" folder:

Click on the Windows Start menu buttons, Programs, Control Applications, CA-ELNetWeb and click on the User Images folder.



Figure 13: User Images

10. **Replace the** "logo\_top\_en.png" with your own logo file. The file name and type must remain the same. Recommended size of the picture is approximately 60x90.



#### **Figure 14: Billing report**

# 5.2 Consumption report

According to desirable dates and meter details, the user can easily create a consumption report, which will present in graphic and numeric way, the consumed energy.

- 1. **Choosing dates** in order to choose the time period to create a report, simply click on the dates at "From date" and "To date" and define the desirable dates (please check Figure 4.2).
- 2. **Type** the consumption report can be created in 3 types:
  - **Daily** a detailed report of consumed energy per day and per rate, including a graphic chart of the consumption.

- **Monthly** a report from date to date including consumption chart which of the consumption based on rates.
- Yearly a report for entire year including consumption chart which allows comparing between the consumed energy per months during the last year.
- 3. **Split to phases** marking the Split to phases mode will create the same Consumption reports but per phase instead of per meter.
- 4. Clicking on **Adjust units** list allows to search from the sub menus (project, location, building) the desirable meter.

Consumption View Edit			
Type Daily 💌 Show charts	From date 01-07-2011	To date 01-08-2011	
Adjust units list      Type     Project     Physical units     All      Search	Location All	Building All	×
Show units list			

#### **Figure 15: Creating Consumption reports**



#### Figure 16: Daily Consumption report

Notes From date To date	MC5 01-07-2011 01-08-2011					
Previous reading Present reading Max demand	01/07/2011 01/08/2011 01/08/2011 11:2	5 - 64.48 KW	5%	Off peak     Not peak     Off peak     Not peak     On peak		
			Peading	(state)		
Rate	e	P	revious	Present		Consumption (KWh)
	On peak		3,776.89		47,739.10	43,962.21
	Mid peak		429.15		10,684.18	10,255.03
	Off peak		1,924.47		25,349.87	23,425.39
Sur	n	6	,130.51	83,773.14	1	77,642.63







# 6 Trends

The ELNetWeb program allows monitoring the meters and storing the monitored data into graphical Trends. In order to activate a Trend for a meter it must be allowed in the meter definitions screen (please check paragraph 3.1, 7. Unit Type).

# 6.1 Standard Trends

According to desirable dates, unit and sum parameters, the user can easily plot graphical trends.

From date 2	5-12-2011 0	0:00	To date	25-12-2011 23:5	59
Trend M	1011 Elnet P	Q Test	~		
P1 - V1 Volt		P2 - V2 Volt		🔲 P3 - V3 Volt	
🔲 P4 - I1 Amp		🔲 P5 - I2 Amp		🔲 P6 - I3 Amp	
P7 - PF1		P8 - PF2		P9 - PF3	
P10 - F1 Hz		🔲 P11 - F2 Hz		🔲 P12 - F3 Hz	
🔲 P13 - E1 KWh		🔲 P14 - E2 KW	n	🔲 P15 - E3 KWh	
🔲 P16 - RE1 KVARh		🔲 P17 - RE2 KV	ARh	🔲 P18 - RE3 KVA	ARh
🔲 P19 - P1 W		P20 - P2 W		🔲 P21 - P3 W	
🔲 P22 - Q1 VAR		🔲 P23 - Q2 VAR	E.	🔲 P24 - Q3 VAR	
🔲 P25 - S1 VA		🔲 P26 - S2 VA		🔲 P27 - S3 VA	
Page layout	🔘 Table	💿 Graph 🛛 🔘 G	Fraph and Table		
	O Lines	<ul> <li>Bars</li> </ul>			
Group by	None	O 15m O ⊦	lour 🔘 day	O Week	<ul> <li>Month</li> </ul>
	💿 Avg.	O Min. O M	lax.		
Page width	• Full	O Fixed (for print	ina)		

#### Figure 19: Trends.

- Choosing dates in order to choose the time period to create a trend for, simply click on the dates at "Form date" and "To date" and define the desirable dates.
- 2. **Trend** in order to choose which unit will be displayed, simply click on the trend and select the relevant unit.
- 3. Mark the parameters to be displayed (Ex. Voltage, Amp etc...).
- 4. **Page layout** select the display mode "Table", "Graph" or "Table and Graph" and select the type of the graph "Lines" or "Bars".
- 5. **Group By** select the time period (None, 15min etc.) of the samples to be displayed.
- Page width if you want to print the trend report from your PC choose "Fixed" else "Full".
- 7. **Create report** clicking on "create report", will create a trend report on screen.
- 8. Create report (CSV) will create the bill report in CSV (Excel) format file.



Figure 20: Trends report.

# 7 Power Quality

The ELNetWeb program allows power quality events monitoring and storing. In order to activate a Power Quality monitoring and storing mode for a meter it must be allowed in the meter definitions screen (please check paragraph 3.1, 8. Hardware Type).

# 7.1 EN50160 Report

According to desirable dates and the unit, the user can easily create summery results, which will present the results of the EN50160 standard report.

EN 50160 Report	View Edit
From date:	19-12-2011
To date:	26-12-2011
Unit:	Elnet PQ Test (M011) 💌
Create report	

Figure 21: EN50160 Report.

1. **Choosing dates** – in order to select the time period to create a report for, simply click on the dates at "From date" and "To date" and define the desirable dates.

EN 50160 Report	View		Edit				
From date:	19-12	2-2 01	1		]		
To date:	0	D	ecer	nber	201	1	0
Unit:	Su	Мо	Tu	We	Th	F۳	Sa
Create report					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

#### Figure 22: Choosing dates.

2. Unit –choose the unit that you want to display.

	Summery Results		
Hide	Test	Status	Page
	Frequency Test > +1%, < -1%	Passed	3
	Frequency Test > +4%, < -6%	Passed	4
	Line 1 Voltage variations test > +10%, < -10%	Passed	5
	Line 2 Voltage variations test > +10%, < -10%	Passed	6
	Line 3 Voltage variations test > +10%, < -10%	Passed	7
	Line 1 voltage variations test < +10%, > -15%	Failed	8
	Line 2 voltage variations test < +10%, > -15%	Failed	9
	Line 3 voltage variations test < +10%, > -15%	Failed	10
	Line 1 Rapid Voltage Change > +5%, < +5%	No Events	11
	Line 2 Rapid Voltage Change > +5%, < +5%	No Events	12
	Line 3 Rapid Voltage Change > +5%, < +5%	No Events	13
	Line 1 flicker test	Passed	14
	Line 2 flicker test	Passed	15

Figure 23: EN50160 report Summery Results page.

# 7.2 Event summary and Wave forms.

The system displays the record of the events received from the meter based on EN50160 standard.

Vave forms	Vie	w E	dit	Track																
<ul> <li>Report op</li> </ul>	tions																			
From date:	01-12-20	11			To date	:	26-	12-2011		]										
Unit id:					Area:		1Kn	1	¥											
Phase:	All			*																
Event type:	All			*	Event s	everity:	All		~											
Aggrigation :										-										
Time:	100ms			~	Aren:		1Ke	n .	~											
llisec   second	minute	hour   w	eek   n	onth																
un Dec 25 201	1 07:12:49	GMT#02	ou (ser	us arenn s	canuaru	111102/														
39s 40	s 41s	425	43s	445	45s	46s	47s	485	49s	50s	51s	52s	53s	54	s 55s	56s	57s	58s	59s	0:
Unit id				Time			D	vent type			Ever	t severity	Pha		Duration		Value			
power quality A	(M0010, 15	037425]	_	2011-12-	25 07:12	491332	v	oltage Tra	nsient		conc	em	L1		0.000250		376.97	9210	Wave fo	m
power quality A	[M0010, 15	037425]		2011-12-	21 06:30	1331370	v	oltage Tra	nsient		conc	em	L1		0.000250		382.58	1512	Wave fo	m
power quality A	[M0010, 15	037428]		2011-12-	21 06:13	:54:253	ν	oltage Tra	nsient		conc	em	L1		0.000125		360.58	8959	Wave fo	m
power quality A	(MD010, 15	037425]		2011-12-	19 14:23	:44:326	c	ustom E1			conc	em	L1		8.000000		230.00	0000	Wave fo	m
power quality A	[MD010, 15	037425]		2011-12-	19 09:45	:23:198	c	ustom E1			conc	em	L1		8.000000		230.00	0000	Wave fo	m
power quality 8	[M0011, 14:	351237]		2011-12-	18 06:38	1281698	Υ	oltage Tra	nsient		COTH	em.	1.3		0.000125		383.93	9514	Wave fo	m

Figure 24: Events summary and Wave forms list

In order to view the wave form record of the event click on the wave form (in the most right column of the Events summary and Wave forms list).



Figure 25: Wave forms records

#### **Report options (Optional)**

- Choosing dates in order to select the time period to display the report for, simply click on the dates at "From date" and "To date" and define the desirable dates.
- 2. Unit ID display only the events of the unit that the ID belongs to.
- 3. **Phase** display only the events of the specific phase.
- 4. **Event type** display only the events of the specific event type.
- 5. **Aggregation** in order to group by same event based on area zone or time, simply click on the time and define the time interval (will marked by blue color at the right side of the unit id) or click on the area and define the radius length (will be marked by green color at the left side of the unit id).

# 8 User Settings

In order to allow a particular user to access only his account data the following definitions must be done:

- 1. In the General Settings menu click on the User Settings.
- 2. The User management screen will appear.

Users	List Ad	ld user				
Drupal a account.	llows users to reg	ister, login, log out, mai	intain user profiles,	etc. Users of the site may not	use their own names to post content u	ntil they have signed up for a user
C C C	role is [ permission [ status [	acounts administer blocks active	• Filter •			
Upda Unblo	te options ck the selected us	ers 💌	Update			
	Username	Status	Roles	Member for *	Last access	Operations
	user	active	o user	31 weeks 6 days	7 weeks 5 days ago	edit
	CA	active	<ul> <li>admin</li> </ul>	1 year 6 days	40 sec ago	edit

Figure 26: User management.

- 3. Click on "Edit" in the relevant user line.
- 4. The User details screen will appear.

Account Personal information
Account information
Username: "
poor Energy are allowed; montpation in out allowed except for metads, bothers, and undergrows,
E-mail address: *
UserGolaco.ut
A case while address of obtains from any address on the second of address. The while address is not there public and in only be based by you react to receive a new passing receive optimization of the obtain of the obtains by e-mail.
Password:
- 0354440.
Configure assessed
Comming passworu:
To change the current user password, enter the new password in both fields.
Challen .
Status:
* Active
Roles:
🕅 authenticated user
C acounts
admin
C ga

#### Figure 27: User details.

- 5. Click on the "Personal Information" on the top part of the screen.
- 6. The "Personal Information" screen will appear.

user	View Edit
Account	Personal information
Personal	l information
location1	:
location2	( <b>*</b>
location3	la
graph:	
alarm:	



- 7. In the personal information screen several fields are open for editing:
  - Location 1: Is the Project name which appears in particular account.
  - Location 2: Is the Location name which appears in particular account.
  - Location 3: Is the Building name which appears in particular account.
- 8. In order to link between particular user to its account one of the above mentioned fields must be filled in with the same data as appears in the desired account's fields. For example if the account's building name is "Building 1", than in Location 3 of the user the "Building 1" name should appear as well.
- Important other users that don't have such particular account link locations in their Personal Information page, will be able to access all the accounts.
   When finished click "Save".