

User Manual OneSense Energy – User Web Portal



Log on the OneSense Energy Portal

Your ID

Your password

Version 1.1

Author(s)	Date	Version	Commentary
MZE	2012 02 10	1.0	
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References
ENG - User Manual OneSense Energy - User Web Portal

PRELIMINARY RECOMMENDATIONS	4
INTRODUCTION TO THE APPLICATION	4
HTTP://E-ONESENSE.VM2M.NET/INDEX/LOGIN/LANGUAGE/EN	4
KEY-CONCEPTS WITH ONESENSE ENERGY	4
Sites	4
User profiles	4
CONNECTION TO THE SERVICE – LOGIN PAGE	6
OVERALL MENU	6
HOW TO START WITH ONESENSE ENERGY ?	7
SECTION "DEVICES"	8
List of devices	8
Principles for Beanair network device creation within OneSense Energy portal.	8
Sensor configuration	9
Meters configuration	10
Section List of gradients	11
SECTION "SITES"	13
List of sites	13
List of groups	14
Site indicators	15
Alarm configuration	17
SECTION "USERS"	18

List of users	18
Management/ creation of a user	18
SECTION STATS & MEASURES	20
Measures transmitted by the BeanDevice®	20
Site summary	20
Group Summary	21
Performance follow-up	21
SECTION BILLING	23
Tariff plans	23
Taxes	24
Simulations	25
Site Billing	26
Park billing	27
SECTION "EXPLOITATION"	28
Cartography	28
Alarms follow-up	28
Company management	29

Preliminary recommendations

It is highly recommended to access the OneSense Energy application through the following web browsers : Mozilla Firefox v3.5 and over or Internet Explorer.

Other web browsers have not been tested with the application, thus the use of the application through these browsers is not granted.

Introduction to the application

The web service portal OneSense Energy aims at collecting and analyzing all environmental and energy data from your buildings and real estate parks (excluding building envelope) in order to improve energy efficiency, lower energy consumption and help you reduce your energy costs.

From sensor networks using mainly non intrusive radio technologies installed inside your buildings at the relevant places where continuous measurement and monitoring is required, you will be able to access all your current and archived data, to edit reports, to follow key indicators and alarms, and display graphs and summarized tables. All these tools can help you improve the energy performance of your installations.

OneSense Energy CLOUD is accessible from the following url:

<http://e-onesense.vm2m.net/index/login/language/en>

Key-concepts with OneSense Energy

Sites

A site stands for a geographical or logical entity related to a given company or organization, which is managed from the energy monitoring aspects from a technical or energy service provider.

In particular a single site can cover several physical sensor networks (therefore several Beangateway® connecting each wireless sensor network).

User profiles

Access to OneSense Energy is granted through a user account provided by the service platform administrator or a service provider of the OneSense Energy CLOUD platform.

The following user profiles can be assigned to users :

- OneSense Energy CLOUD administrator : manages all technical resources and exploitation and production tools
- Service provider administrator: manages all technical exploitation and production resources on behalf of its customers (companies and organizations)

- Company administrator: manages all resources and data from its company sites.
- User : gets access to business data (indicators, statistics, billing,...) according to its rights (site access rights)

All users are necessarily attached to a company, which is related to a service provider.

Connection to the service – Login page

To log in, you must fulfill :

- your User Id
- your password

(This information was assigned by your service provider or your administrator).



[Log on the OneSense Energy Portal](#)

Your ID

Your password

Then click on the button or press "ENTER" on your keyboard.

☞ You must be careful with the format (lower case / capital) (case sensitive)

Overall Menu

Once logged into the application, users can access to a generic menu with several visible sections depending on the user profile, as follows :



- Section "DEVICES" : enables to provision, manage and configure all main characteristics and parameters from installed devices (meters, sensors, gateways...) as well as the creation of virtual devices such as temperature gradients ;

- Section "SITES" : enables to provision, manage and configure the main characteristics from all monitored sites, as well as manage groups of sites, define KPIs (Key Performance Indicators) or alarms for each site;
- Section "USERS" : enables to manage user accounts (create/modify/delete depending upon rights granted);
- Section "EXPLOITATION" : enables to manage technical information for exploitation (networks cartography, technical alarms, monitoring tools for operations...) and user-oriented alarms;
- Section "BILLING" : enables to configure and assign tariff plans and taxes and follow-up billing reports for one site or a group of sites or set-up tariff/pricing simulations;
- Section "STATS and MEASURES" : enables to access various tables, graphs and on-demand CSV exports to retrieve all data or measures collected from monitored sites, with different views for sites or groups of sites.
- Section "LOG OFF" : disconnects from the OneSense Energy portal

Please note that in any case, the application automatically logs off after a defined delay (timeout).

How to start with OneSense Energy ?

In order to properly use our application for your building, it is necessary to carry out the following operations:

- **step 1** : once a service provider has been created or assigned for your sites, you need to create your company, a site and a user account (with company administrator profile) who will have access to this site and therefore will be able to assign and configure devices for this site.
- **step 2** : you will then need to configure devices and measures from the application point of view (calibration and measurement units for sensors, pulse number/ KWH for electric meters, etc...)
- **step 3** : then you will need to define your indicators, alarms and tariff plans.

Once achieved these 3 steps, you will be able to use OneSense Energy to follow-up your buildings' performances.

The following pages describe all the choices allowed by the application.


Section "DEVICES"



List of devices
















By clicking on this choice you will have access to a list of devices with site/type of device filters.

When double-clicking on any of the rows of this list, you will get access to the detailed form of the selected device.

You can also create a new device simply by clicking on the icon  located on the upper-right part of the list frame.

List of managed devices

Site: Device:

Device	Identifier	Gateway ID	Type	Site	Status	Delete	
00158D000007B914_1	00158D000007B914_1	BGw_Pan2B31_bis	SUN-TIR	Neuville_site1	Connected		
00158D00000ABCDB	00158D00000ABCDB	BGw_Pan2B31_bis	SUN-T 1CH	Neuville_site1	Connected		
00158D0000058453	00158D0000058453		SUN-TH	Neuville_site1	Connected		
00158D0000058453_0	00158D0000058453_0		SUN-TH	Neuville_site1	Connected		
00158D00000E6402	00158D00000E6402		SUN-BN	Neuville_site1	Connected		
00158D00000E6402_0	00158D00000E6402_0		SUN-BN	Neuville_site1	Connected		
00158D00000AD564	00158D00000AD564	BGw_Pan2B31_bis	AN-420	Neuville_site1	Connected		

Principles for Beanair network device creation within OneSense Energy portal.

There are different types of Beanair wireless device :

- Wireless sensors (Beandevic[®] SUN-BN, Beandevic[®] SUN-TH, Beandevic[®] AN-420...) or
- wireless sensor network coordinator (Beangateway[®] GSM/GPRS)

Among dataloggers available, there are dataloggers with embedded sensors (ex: SUN-TH with 3 embedded sensors, lightness, temperature and humidity) and dataloggers with external sensors (ex: AN-420 to plug up to 4 analog sensors).

GPRS Beangateways are self-provisioned by the OneSense energy as soon as they start transmitting data, then they have to be assigned to the corresponding customers sites.

Beandevices are provisioned with a 2-step process : first dataloggers are defined on the web portal. Once validated, the system automatically generates configurations for its related embedded sensors with form such as ID-DATALOGGER_interface-number, where ID-DATALOGGER is the network ID for this datalogger and interface-nb is a logical or physical number of the measurement channel.

 Management / Creation of a device

Managed device name *	Identifier	Device description
<input type="text" value="00158D0000058453"/>	<input type="text" value="00158D0000058453"/>	<input type="text"/>
Type of device	Model	Connect to gateway
<input type="text" value="Bean Device"/>	<input type="text" value="SUN-TH"/>	<input type="text"/>
Fields with an asterisk * are compulsory		
<input type="button" value="Delete device"/>		<input type="button" value="Back"/> <input type="button" value="Register"/>

You just need to fulfill the information for these sensors, if necessary create external sensors or energy meters in order to achieve the configuration of the wireless and measurement sensor networks for your park of sites.

Sensor configuration

As shown in the example below, you just need to complete the following fields:

- device description
- if necessary modify default values for calibration ($a \cdot x + b$ formula) or
- measurement thresholds.

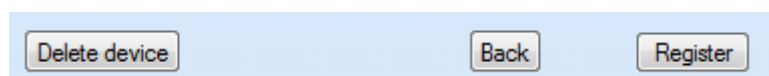
[Management / Creation of a device](#)

Managed device name *	Identifier	Device description
<input type="text" value="00158D0000058453_1"/>	<input type="text" value="00158D0000058453_1"/>	<input type="text"/>
Type of device		Connect to Beandevice
<input type="text" value="Sensor"/>		<input type="text" value="00158D0000058453_0"/>
Type of measure		
<input type="text" value="Ambient temperature (°C)"/>		
Minimum threshold		Maximum threshold
<input type="text" value="0"/>		<input type="text" value="32767"/>
A*X + B formula		
Param. A formula		Param. B formula
<input type="text" value="0.0030518509476"/>		<input type="text" value="0"/>
Fields with an asterisk * are compulsory		
<input type="button" value="Delete device"/>		<input type="button" value="Back"/> <input type="button" value="Register"/>

Meters configuration

In order to configure a meter, you need to assign a datalogger (mainly a SUN-BN channel) to this meter by selecting it in the list. "Connect to a Beandevice", indicate the type of meter (electricity, gas or water...), the number of pulses per KWH, the tariff plan associated and the type of use (main for a primary meter or other for secondary meters) and other technical information, as shown in the following screen copy.

3 choices are possible :



- you can "Delete device" which enables to delete the device form (not allowed nor possible if other equipments/devices are already connected to this device);
- you can go "Back" to the list of devices without saving the changes;
- or you can "Register" and save the changes for this device and go back to the list of devices.


 [Management / Creation of a device](#)


Managed device name *	Identifier	Device description
<input type="text" value="cptE6402-2"/>	<input type="text" value="00158D00000E6402_2"/>	<input type="text"/>
Type of device	Model	Connect to Beandvice
<input type="text" value="Compteur"/>	<input type="text" value="Electricity meter"/>	<input type="text" value="00158D00000E6402_2 SUN-BN"/>
Type of measure		
<input type="text" value="KWH"/>		
Minimum threshold	Maximum threshold	
<input type="text" value="0"/>	<input type="text" value="0"/>	
Pulse number	Distributor	Pricing Plan
<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="France EDF TARIFBLEU 2012"/>
Type of use		
<input type="text" value="Hot water"/>		
Voltage	Current type	Power available
<input type="text" value="15000 V"/>	<input type="text" value="triphase"/>	<input type="text"/>
Fields with an asterisk * are compulsory		
<input type="button" value="Delete device"/>		<input type="button" value="Back"/> <input type="button" value="Register"/>

Section List of gradients

This choice allows to create gradient objects related to a given site from 2 temperature sensors (one for internal temperature, the other one for external temperature).

 [List of gradients](#)

Gradient	Internal sensor	External Sensor	
gradient-batiment	00158D000007B914_1 Sensor SUN-TIR	00158D000007B914_2 Sensor SUN-TIR	

To create a new gradient, you can just click on the icon  located on the upper-right of the table.

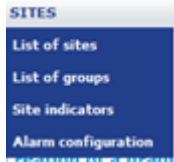
By double-clicking on a row, you get access to the detailed form of the selected virtual device, with the following fields:

- related site
- gradient name
- id (among existing sensors) of an internal temperature probe
- id (among existing sensors) of an external temperature probe

 [Management / Creation of a gradient](#)

Sites		
Neuville_site1 		
Gradient	Internal sensor	External Sensor
<input type="text"/>	00158D000007B914_1 	00158D000007B914_2 
<input type="button" value="Register"/>		


Section "SITES"



This section allows to manage and configure monitored sites as well as key parameters (indicators and alarms).

List of sites

By selecting "List of sites" you have access to all the managed sites (according to the user rights and user profile).

To create a new site, you can just click on the icon  located at the upper-right of the table.

To access the detailed form of a site, you can select and click on the corresponding row from the list of sites below.

List of sites

Site name	Site code	Zipcode	Technical contact	
Neuville_site1	95001	95000	beanair	
Neuville_site2	01234567		info	

The detailed form for a site includes the following fields:

- Compulsory descriptive areas/fields (site name / site code / customer id / related company or organization / technical contact coordinates...);
- Optional descriptive fields (site address, nb of m2, total employees on site...)
- an area for data management with an external FTP server that will retrieve data as CSV files.

[Management / Creation of a site](#)


Site designation					
Site name *	Site code *	Company *	Client code *	Commentary	
<input type="text"/>	<input type="text"/>	BeanAir_ent ▼	<input type="text"/>	<input type="text"/>	
Site address					
Type of road	Street number	Street name	Area		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Zipcode	City	Country	Workforce size		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Technical contact					
Name *	first name *	GSM	Email *		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Data management					
Automated sending					
<input type="checkbox"/>					
ftp server URL	FTP site login	FTP site password			
<input type="text"/>	<input type="text"/>	<input type="text"/>			
Fields with an asterisk * are compulsory					
				<input type="button" value="Back"/>	<input type="button" value="OK"/>


Once your form is fulfilled, you can either click on the "OK" button to save the changes for this site and go back to the list of sites, or you can click on "Back" and go back to the list of sites without saving the changes.











List of groups

This selection allows accessing or defining groups. A group represents a subset of sites.

To create a new group of sites, you can just click on the icon  located at the upper-right of the list.


To access the detailed form of a group, you can click on the icon  on the selected row of the list of groups as below.

 **List of groups**


Group name	Description	Delete	
n2	test2		
m	test		
hi	hi		
n1	test		
newg	testn		
newg2	testg2		
newg3	test3		

The group form includes a descriptive area (upper area : group name and description) and an area with the list of sites being part of this group, sites can be added or removed from the group :



- to add a site, you need to select in the upper area the site you want to add and then click on "OK" button

- to remove a site from the list of the current group, just click on the icon  on the corresponding row of the list.

 **Management / Creation of a group**

Group name	Description	Add a site	<input type="button" value="OK"/>
<input type="text" value="n2"/>	<input type="text" value="test2"/>	<input type="text" value="Cergy-le-haut"/> 	

 **List of sites**

Site name	Site code	Delete
Paris 20	10000	
Siege Michelin	MICHELIN	


Site indicators

With this selection, you can configure indicators related to a given site. Two types of indicators are available :

- target performance indicators which are objectives to reach for the energy efficiency of sites.
- Contractual indicators, which are contractual service agreements.


Site indicators management

Site
 Neuville_site1

ID-indicator	Measure	Source	Period	Ratio type	Value	Criteria-type	Reference value	
Neuville1_001	consumption	electricity (kWh)	day	maximum value	300	contractual	0	
Neuville1_002	expenses	electricity (€)	day	maximum value	100	objective	0	

In the previous printscreen, the indicators are listed for a given site and can be read as follow :

- indicator Neuville1_001 : the maximum value (*ratio-type*) of the daily (*period*) consumption (*measure*) of electricity (*source*) should not overcome 300 (Value) KWH as a contractual agreement (*criteria-type*)
- reference value applies only when using criteria expressed as a % of reduction (reduction of consumption or expenses compared to a reference value).

To create a new indicator, you can just click on the icon  located at the upper-right of the table.

To access the detailed form of an indicator, you can click on the corresponding row in the list of indicators.

Change indicator Neuville1_001

Measure	Source		
consumption	electricity (kWh)		
Period	Ratio type	Value *	
day	maximum value	300	
Criteria-type	Reference value *		
contractual	0		
Graph			
Color for title	Color of graph	Type of graph	
Blue Vm2m	Bright Green	histogram	
<input type="button" value="Delete this indicator"/>		<input type="button" value="Register"/>	

The "Delete this indicator " button allows you to delete the indicator, the "Register" button saves changes for the indicator.

Alarm configuration

Through this selection, you can configure alarms related to a given site.

To define a new alarm, just click on the icon  located at the upper-right of the table.







To access the detailed form of an existing indicator, you can click on the corresponding row in the list of indicators.

Alarm management rules

Site	Type of alarm	Equipment or indicator	Level of criticality	Type of notification	Recipients	
1	GRADIENT_TEMP_SUP_SEUIL		Warning	none	- profile company administrator	
15	GRADIENT_TEMP_SUP_SEUIL		Warning	none	18	
15	SUP_INDICATEURS_CONTRACTUELS		Warning	email	- profile exploitation	

To add a new alarm management rule, you need to select a site, then choose the type of alarm to configure, then define a level of criticality and select the type of notification and the recipients of the notification, then click on the "Register" button to save the changes or create the new alarm rule.

Add alarm management rule

Site		Type of alarm	
Neuville_site1 		Sensor measure under threshold 	
Sensor		Level of criticality	
00158D000007B914_1 Sensor SUN-TIR 		Warning 	
Type of notification		Recipients	
none 		- profile exploitation 	
<input type="button" value="Register"/>			


Section "USERS"



List of users

This selection provides access to the list of users (you can sort this list by User, Company or Type).

To create a new user, you can click on the icon  located at the upper-right of the table.

To delete a user, you can click on the icon  of the corresponding row.

To modify it, you can click on the corresponding row of the list.



Management/ creation of a user

The user form includes the following fields:

- user name (serves as the id to login)
- user password
- related company or organization
- descriptive fields that can be used for alarm notifications (email/GSM/fixed line/fax...)
- eventually, you need to assign access to some (one or more) sites for this user.

Once this information fulfilled, you can click on the "OK" button to save changes.

[Management / Creation of a user](#)

User information			
User name *	Password *	Company *	
<input type="text"/>	<input type="password"/>	BeanAir_ent ▼	
Function	Department	Email	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Mobile phone	Fixed line	Fax	Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	User ▼
Sites with accessible data			
<input type="checkbox"/> Neuville_site1			
Fields with an asterisk * are compulsory			
			<input type="button" value="Retour"/> <input type="button" value="OK"/>

Section STATS & MEASURES



Measures transmitted by the BeanDevice®

Through this selection you can access to any data or measure retrieved from any monitored site, for any period of time.

These data are presented either as graphs, tables or CSV files.

[Measures from devices : Data for remote metering](#)

Site
Neuville_site1

analyzed device		Presentation	
00158D00000E6402_0 Sensor SUN-BN		graph	
Period			
Start date		End date	
01/07/2012		16/07/2012	
<input type="button" value="Display"/>			
Graph			
Color for title		Color of graph	Type of graph
Blue Vm2m		Blue Vm2m	histogram

Site summary

Through this selection you can display for a given site all the information related to energy consumption for all monitored sources (electricity, gas, water...) as well as the types of usage (primary meter, heat, electric plugs, etc) .

In order to display this information for a given site, you need :

- to select this site (area SITES)
- to choose the type of processing (table, graph, CSV file)
- to select the type of measure (All = all energy sources / Electricity / Gas / Water),
- then, to define the start date and end date for the measures, and click on the "OK" button.

 [Site Summary](#)

SITES	Type of processing	Type of measure
Neuville_site 1 ▾	Table ▾	All ▾
Measure period start date	Measure period end date	
01/04/2012 19 ▾ : 43 ▾	17/07/2012 19 ▾ : 43 ▾	
<input type="button" value="OK"/>		

Group Summary

This selection provides the same information as the Site Summary selection but applies to a given group of sites.

 [Group Summary](#)

GROUPS	Type of processing	Type of measure
All sites ▾	Table ▾	All ▾
Measure period start date	Measure period end date	
01/07/2012 20 ▾ : 29 ▾	16/07/2012 20 ▾ : 29 ▾	
<input type="button" value="OK"/>		

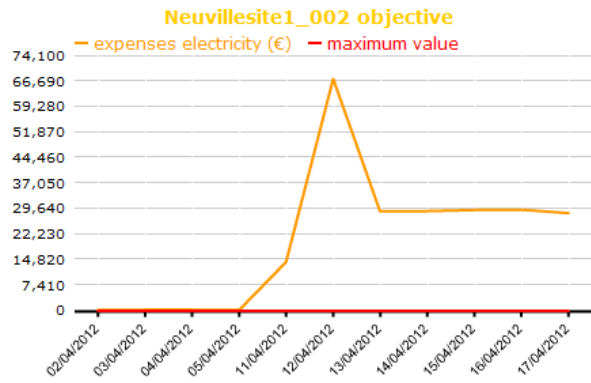
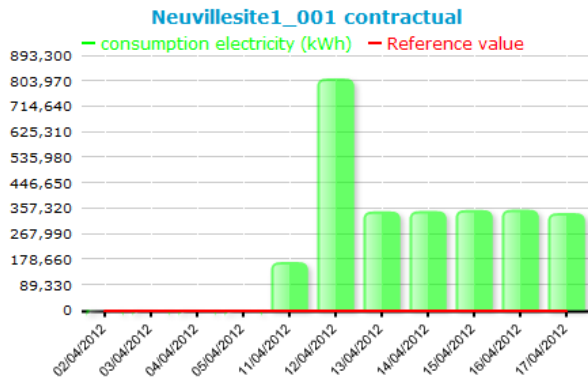
Performance follow-up

This selection enables to follow your KPIs (contractual or target indicators) that have been defined in the site indicators selection.

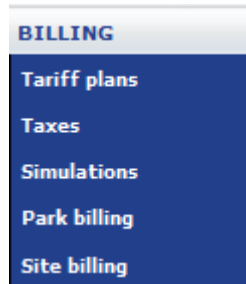
To do so, you can simply select the site, the start date and end date and the required graphs are displayed on the application by clicking on the "Display" button.

Performance follow-up

Site	Indicators : Criteria-type	Presentation
Neuville_site1	All	graph
Period		
Start date	End date	
01/04/2012	15/07/2012	<input type="button" value="Display"/>






Section BILLING












Tariff plans

This selection enables to access the list of existing tariff plans for a given organization.

You can access the detailed form of each tariff plan from the list by clicking on the corresponding row, delete it (icon  on the corresponding row) or duplicate it (icon  on the corresponding row, for instance if you have 2 different tariff plans that have only one parameter that differs).

To create a new plan, you can simply click on the icon  located at the upper-right of the table.

List of pricing plans

Name	Company	Energy type	Supplier	Delete	Duplicate	
Plan tarifaire particulier EDF	vm2m	Electricity	EDF			
gEau	vm2m		fournEau			
France EDF TARIFBLEU	vm2m	Electricity	EDF			
New France EDF TARIFBLEU	vm2m	Electricity	EDF			

The detailed form of a tariff plan includes the following fields :

- Informational fields : plan name / energy supplier
- Descriptive fields : type of contract, type of energy...
- additional fields (specific discounts, taxes, tariff daily/hourly periods, etc) can be defined at this level. (corresponding tariff periods?)

You can click on the "Register tariff plan" button to save changes or create the tariff plan.

[Management / Add a pricing plan](#)

Pricing Plan Name	Company	Energy type	Supplier	Type of contract
France EDF TARIFBLEU 2012	BeanAir_ent	Electricity	EDF	regulated
Power subscribed		Power unit subscribed		
6		kWh		
Unit	Price Index	VAT on subscription/monthly fee	VAT on consumption (%)	
kWh	1	7	19	
Monthly fees	Default unit price			
9	0.0829			
Valid from		Valid until		
01/04/2012		01/04/2015		
Discounts on volume		Add a discount		
Volume reached	% discount on volume			
15000	10			
Discount on amount		Add a discount		
Amount reached	% discount on amount			
Taxes to apply				
List of taxes				
Register tariff plan				



[Corresponding tariff periods](#)


[Add a new period](#)

Taxes


With this selection you can configure the taxes that apply on your tariff plans.

This selection gives access to the list of taxes.

From this list you can access the detailed form of each tax by clicking on the corresponding row, you can delete it (icon  on the corresponding row) or duplicate it (icon  on the corresponding row).


To assign/create a new tax for tariff plans, you can simply click on the icon  located at the upper-right of the table.

[Taxes](#)

Label	Description	Country	Valid from	Valid until	Delete	Duplicate	
csta	contribution service public electricite	France	17/07/2012 20:31:00	17/07/2013 20:31:00			

The Tax form includes information about the tax (label, description, country...) and descriptive fields useful for simulations or billing, like validity dates (start date / end date), VAT rates, fixed rates and costs, etc.


To save the changes or create the new tax, you can click on the "Register" button.

 **Add a tax**


Label *	Description	Country
<input type="text"/>	<input type="text"/>	France <input type="button" value="v"/>
Valid from	Valid until	VAT rate to apply (%)
16/07/2012 <input type="button" value="20"/> <input type="button" value="25"/>	16/07/2012 <input type="button" value="20"/> <input type="button" value="25"/>	19.6
Basis of tax assessment		
Monthly fee		Rate to apply (%)
No <input type="button" value="v"/>		0 <input type="text"/>
Consumption		Rate to apply (%)
No <input type="button" value="v"/>		0 <input type="text"/>
Fixed part		
Per basic accounting unit		Amount
No <input type="button" value="v"/>		0 <input type="text"/>
Per invoice		Amount
No <input type="button" value="v"/>		0 <input type="text"/>
<input type="button" value="Register"/>		

Simulations

You can simulate a tariff plan (this simulation can be saved with a specific name) for a given meter of a site, connecting this energy meter to a defined tariff plan and playing the CDRs/billing tickets on the chosen period. You can then click on the "Execute the simulation" button to run the simulation and retrieve the results of this simulation.

 **Simulation of tariff plans**

Name *	Tariff plan	Meter
<input type="text"/>	France EDF TARIFBLEU 2012 <input type="button" value="v"/>	Compteur electrique : 00158D00000E6402_2 <input type="button" value="v"/>
Period start date	Period end date	
17/07/2012 <input type="button" value="20"/> <input type="button" value="40"/>	17/07/2012 <input type="button" value="20"/> <input type="button" value="40"/>	
<input type="button" value="Execute this simulation"/>		

Name	Tariff plan	Meter	Start period	End period	Number of tickets	Total	Date of processing	Detail
test	France EDF TARIFBLEU 2012	Compteur electrique : 00158D00000E6402_2	02/05/2012 10:38:00	04/05/2012 10:38:00	5256	330,52	04/05/2012 10:39:25	



By clicking on the icon of the corresponding row of the list of simulations, you can access the detailed simulation with all the tickets processed.

Details of simulation test

Name	Tariff plan	Meter	Start period	End period	Number of tickets	Total	Date of processing
test	France EDF TARIFBLEU 2012	Compteur electrique : 00158D00000E6402_2	02/05/2012 10:38:00	04/05/2012 10:38:00	5256	330.52	04/05/2012 10:39:25

[Back](#)

Date	Tariff period	kWh	Price
04/05/2012 09:46:35		1,0000	0,0829
04/05/2012 09:46:05		1,0000	0,0829
04/05/2012 09:45:35		1,0000	0,0829
04/05/2012 09:45:05		1,0000	0,0829
04/05/2012 09:44:35		1,0000	0,0829
04/05/2012 09:44:05		1,0000	0,0829
04/05/2012 09:43:35		1,0000	0,0829
04/05/2012 09:43:05		1,0000	0,0829
04/05/2012 09:42:35		1,0000	0,0829
04/05/2012 09:42:05		1,0000	0,0829
04/05/2012 09:41:35		1,0000	0,0829

Site Billing

Through this selection you can display the expense summary for a given site, this information is displayed as an aggregated information (all energy sources) or for each source of energy available on the site, for a chosen period, with separate costs (fees, consumptions, etc)

In order to access this summary, you need to choose:

- the site
- the source of energy
- the presentation mode (table, graphs...)
- the period (start date / end date or current month or current year)

Site billing

Site	Energy type	Presentation	
Neuville_site1 ▼	Electricity ▼	graph ▼	Validate
Period			
Start date	End date		
16/07/2012	16/07/2012	or with selection ▼	

Park billing

This selection provides the same information as the Site billing selection but applied to a group of sites.

Section "EXPLOITATION"



Selections are accessible depending on the user profile rights.

Cartography

Through this menu you can display the wireless sensor networks cartography.

To do so, you can select the PanID (or network ID) and display all the related wireless devices. These devices are provided with their MAC address and technical information (internal parameters such as battery load status or internal temperature).

Cartography

Bean Gateway (select a PanID)
 2831

Devices attached

MAC Address	PAN ID	Network Address	Type of device	P.E.G (Packet Error rate Global)	P.E.L (Packet Error rate Local)	L.Q.I (Link Quality Indicator)	BATTERY LOAD	BATT
00158D0000E0039	2831	0000	BeanGateway					
00158D0000077910		0007	BeanDevice RFD	0	0	186	46	3.276
00158D000007B809		000D	BeanDevice RFD	0	0	180	55.83	3.335
00158D000007B914		0002	BeanDevice RFD	0	0.01	204	78.16	3.469
00158D0000A92CA		0008	BeanDevice RFD	0	0	186	63.66	3.382
00158D0000A9960		000B	BeanDevice RFD	0	6.96	156	71.33	3.428
00158D0000AA99B		000E	BeanDevice RFD	0	0	174	62.5	3.375
00158D0000AA21		000A	BeanDevice RFD	0	0.07	54	99.47	4.177
00158D0000ABCDB		0005	BeanDevice RFD	0	0.04	168	100	3.956

By clicking on the MAC address of one of the devices listed, you can display (at the bottom of the page) the technical information related to this device.

Alarms follow-up

Alarms follow-up

Site
 All sites



Start date: 01/04/2012
 End date: 16/07/2012


20 : 10

Site	Device ID	Criticality level	Date	ACKNOWLEDGEMENT	Description
Neuville_site2	00158D00000ABCD_A_0	Warning	16/05/2012 18:20:50	No	2012-04-06 15:22:15 64853 dépassement seuil haut 40000 de la plage autorisée
Neuville_site1	00158D00000B6402_1	Warning	12/04/2012 13:00:12	No	dépassement seuil bas 0 de la plage autorisée
Neuville_site1	00158D00000B6402_2	Warning	12/04/2012 13:00:14	No	dépassement seuil bas 0 de la plage autorisée
Neuville_site1	00158D00000B6402_1	Warning	28/04/2012 04:45:07	No	2012-04-29 00:00:29 -1120 dépassement seuil bas 0 de la plage autorisée
Neuville_site1	00158D00000E6402_1	Warning	12/04/2012 13:00:17	No	dépassement seuil bas 0 de la plage autorisée

Company management

This selection allows configuring of companies or organizations managed by a given service provider.

From this list you can retrieve all details of each organization created (icon  on the corresponding row) or delete it (icon  on the corresponding row) .

To create a new company/organization, you can click on the icon  located at the upper-right of the list table.

List of organizations

Name	Type of service	City	Country	Telephone	Fax	Delete
BeanAir_ent						

To save the new form of company, you can click "OK"; to go back to the list without saving the new form you can click the "Back" button.

Management/Creation of a company

Company designation					
Company name*	BizID	Type of service*	default language		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Company address					
Address 1	Address 2	Zipcode	City	Country	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Information					
Telephone	Fax	Domain name	Customized style		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
				Back	OK

Conclusion

Thank you for reading this user manual. We have now seen the possibilities offered by OneSense Energy application.

If you have any question or request about this application, we will be delighted to receive them at :

support@onesen.se