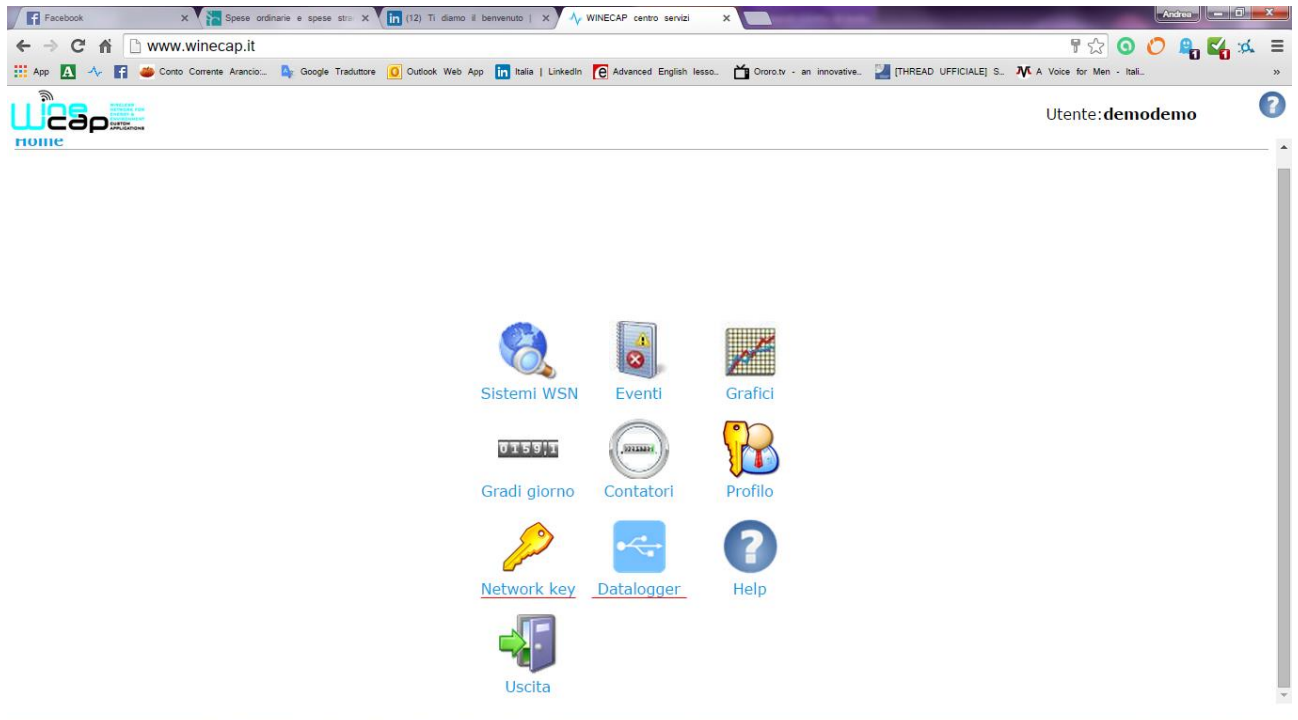


winecap.it Service Center

User Manual

R03



NOTE: icons underlined in red are available only for master type accounts.

This is the main page of the customer's interface and is been immediately visualized after the authentication. The page is divided in two sections:

Header

This section is visualized for the entire duration of the logon session. In the upper right corner of the page, appears user name of the authenticated customer; this information will be always visible for the entire duration of the session. At the right of the customer name, the help icon is available; clicking on it, the User Manual of the **Service Centre** will opens, directly in the page corresponds to the context that is being visualized.



Utente: demodemo













[Home](#) > [WSN](#) > [demo valigia](#) > [SondaTest](#)

Under the page header, the customer's navigation path is displayed. It is possible to click any element of the navigation path in order to approach that level immediately.

In home page the path displays the indication "**Home**" and this will be the link that it will bring back the user in homepage from any level of navigation.

Desktop

The central part of the page contains icons that allows the direct access to all the functions of the **Service Center**.

Icon	Function	Description
	WSN Systems	<p>Allows the navigation through all WSN systems. Navigation occurs on three detail levels:</p> <ul style="list-style-type: none"> • WSN Systems: WSN systems status (cumulative sensor's status counters and last logon measures are displayed) • WSN system detail: status detail of a single WSN system (all sensors status and measures coming from last logon of a single WSN system are displayed) • Sensor detail: status detail of a single sensor (all measures coming from a single sensor are displayed)
	Events	Shows all the events recorded by the Service Center
	Charts	Displays the diagrams management and visualization page
	Day Degrees	Displays the thermal analysis page. This function is available only for qualified users
	Counters	Displays the electric analysis page. This function is available only for qualified users
	Profile	Set-up and change the user profile
	Network key	Set-up WSN systems protection passwords
	Datalogger	Set-up virtual systems for USB dataloggers
	Help	Online User Manual
	Exit	Close the working session and exit from Service Center

Sensors

Summary status indicators of all system's sensors during the last connection

Total	Indicates the total amount of sensors configured in this system
Off line	Indicates the total amount of sensors in off-line status
Low battery	Indicates the total amount of sensors with low battery status
Critical radio signal	Indicates the total amount of sensors with a critical (but sufficient for data transmission) radio signal

Measures

Summary status indicators of all measures acquired by system's sensors during the last connection.

Total	Indicates the total amount of measures acquired by system's sensors
Alarm	Indicates the total amount of alarm measures acquired by system's sensors (the measure exceeds configured thresholds)
Invalid	Indicates the total amount of invalid measures (the sensor diagnostic found a fault in the measure's transducer)

WSN system detail

[Home](#) > [sistemi WSN](#) > [DEMO_WDG](#)

Modello WDG-GSM-A
Revisione fw 10095J
N. di serie 00000
MAC address 00000173
Ultima connessione 2013-01-07 09:14:39
Sonde totali 7
Offline 0
Batteria critica 0
Segnale critico 0
In allarme 1
Invalide 0
[registro eventi](#)



















Tutte le sonde

<div> <div>◀</div> <div>◀ 1/1 ▶</div> <div>▶</div> </div>					
Sonda	Ultimo dato	Radio	Batt.	Misure	Eventi
000000F9 MAC000000F9	2013-01-07 09:09:42			1 Temperatura 20.48°C 2 Deformazione 7.744mm	registro
000CAP09 MAC000CAP09	2013-01-03 14:43:15			1 Temperatura 23.24°C	registro
DEMO0002 MACDEMO0002	2013-01-07 09:06:24			1 Temperatura 20.06°C	registro
WLIDL000 MACWLIDL000	2013-01-07 08:57:24			1 Temperatura 19.53°C 2 Umidità 36.8%Rh	registro
WLIDL002 MACWLIDL002	2013-01-07 09:02:24			1 Temperatura 19.19°C 2 Umidità 35.13%Rh	registro
WLIDL003 MACWLIDL003	2013-01-07 09:07:34			1 Temperatura 19.9°C	registro
WxxTII05 MACWxxTII05	2013-01-07 09:09:22			1 Temperatura 18.77°C 2 Inclinazione -1.691° 3 Inclinazione 3.198°	registro


This page shows the summary system's status, selected from the list in the [WSN Systems](#) page.

Clicking on a **sensor** name, a related detail page will open.

The illustration above shows (for an example system) the most recent known status of all **sensors** configured in the system. **Sensors** are displayed in pages of ten elements each, including the following information:

Sensor	Sensor's name and MAC address																					
Last data	Last successful connection date and time																					
Radio	Radio signal intensity																					
Battery	Battery life indicator																					
Measure	<div>Indicates the measure's value for each channel, including possible status remarks as indicated in the following table:</div> <table><tr><th>Icona</th><th>Stato canale</th><th>Significato</th></tr><tr><td></td><td>Misura invalida</td><td>La diagnostica del sensore ha rilevato che l' trasduttore di misura &egravE; guasto</td></tr><tr><td></td><td>Superata soglia warning di minimo</td><td>La misura &egravE; inferiore alla soglia di warning di minimo impostata</td></tr><tr><td></td><td>Superata soglia warning di massimo</td><td>La misura &egravE; superiore alla soglia di warning di massimo impostata</td></tr><tr><td></td><td>Superata soglia allarme critico di minimo</td><td>La misura &egravE; inferiore alla soglia di allarme critico impostata</td></tr><tr><td></td><td>Superata soglia allarme critico di massimo</td><td>La misura &egravE; superiore alla soglia di allarme critico di massimo impostata</td></tr><tr><td></td><td>Soglia rispettata</td><td>La misura &egravE; all'interno di tutte le soglie impostate</td></tr></table>	Icona	Stato canale	Significato		Misura invalida	La diagnostica del sensore ha rilevato che l' trasduttore di misura &egravE; guasto		Superata soglia warning di minimo	La misura &egravE; inferiore alla soglia di warning di minimo impostata		Superata soglia warning di massimo	La misura &egravE; superiore alla soglia di warning di massimo impostata		Superata soglia allarme critico di minimo	La misura &egravE; inferiore alla soglia di allarme critico impostata		Superata soglia allarme critico di massimo	La misura &egravE; superiore alla soglia di allarme critico di massimo impostata		Soglia rispettata	La misura &egravE; all'interno di tutte le soglie impostate
Icona	Stato canale	Significato																				
	Misura invalida	La diagnostica del sensore ha rilevato che l' trasduttore di misura &egravE; guasto																				
	Superata soglia warning di minimo	La misura &egravE; inferiore alla soglia di warning di minimo impostata																				
	Superata soglia warning di massimo	La misura &egravE; superiore alla soglia di warning di massimo impostata																				
	Superata soglia allarme critico di minimo	La misura &egravE; inferiore alla soglia di allarme critico impostata																				
	Superata soglia allarme critico di massimo	La misura &egravE; superiore alla soglia di allarme critico di massimo impostata																				
	Soglia rispettata	La misura &egravE; all'interno di tutte le soglie impostate																				
Register	Open the Event register showing the selected sensor event list																					

NOTE:

when a **sensor** has been removed from system configuration, the **Service Center** doesn't lose related data but marks this **sensor** as **eliminated** using the  symbol.

The **sensor** can be definitively removed from the **Service Center**, opening the related detail page.

Sensor status filter


It is possible to limit the visualization to the **sensors** that are found in a specific status. On the left side of the page, selectable filters are listed.

Sensor total	Shows all the sensors , cancelling all the applied filters
Offline	Shows only the sensors in off-line status
Low battery	Shows only sensors with low battery status
Critical radio signal	Shows only sensors with a critical (but sufficient for data transmission) radio signal
Alarm	Shows only sensors with, at least, one measure on a channel exceeds a previous configured threshold
Invalid	Shows only sensors with, at least, one measure on a channel declared invalid by the diagnosis system







































Sensor detail

[Home](#) > [WSN](#) > [impianto demo2](#) > [sensore 2](#)

Ultima connessione	2012-07-20 10:08:20
Misure totali	32541
Batteria critica	0
Segnale critico	11
Off line	0
Allarme	0
Invalide	562


 Il sensore è stato rimosso dal sistema
cancella i dati del sensore

Tutte le misure

Vai a:			
<input type="text"/>	  1/1628  		
Data	Temperatura (°C)	Deformazione (mm)	
2012-07-20 10:04:51	26.89	24.981	  
2012-07-20 09:54:51	26.89	24.981	  
2012-07-20 09:44:51	26.82	24.981	  
2012-07-20 09:34:51	26.76	24.981	  
2012-07-20 09:24:51	26.75	24.981	  
2012-07-20 09:14:51	26.59	24.981	  
2012-07-20 09:04:51	26.95	24.981	  
2012-07-20 08:54:51	27.03	24.981	  
2012-07-20 08:44:51	27.08	24.981	  
2012-07-20 08:34:51	27.15	24.981	  
2012-07-20 08:24:51	27.23	24.981	  

This page shows the summary status of a selected **sensor**. The **sensor** can be selected from the list in the [WSN system detail](#) page.

The illustration above shows (for an example system) the registry of all measures acquired by the **sensor** (in reverse chronological order) displayed in pages of ten elements each. In addition to being able to change the page number, using the classic scroll buttons, the page of

interest can be selected through the date of measures contained ( button).

For each measure the following information are indicated:

Date	Measure date and time
Measures	Indicates the measure value for each channel, including possible status remarks
Radio/Battery	Radio signal intensity and Battery life indicator

Measures status filter

The left column shows some summary data regarding measures sent by the **sensor** and offers the possibility to limit the display of measures, according to criteria established by the user.

Total amount of measures	Total amount of measures sent from the sensor and stored in the Service Center . Clicking on it, all visualization filters will be disabled
Critical battery	Total amount of measures sent from the sensor while battery level was critical. Clicking on it, only this type of measures will be displayed
Critical Signal	Total amount of measures sent from the sensor while radio signal was critical. Clicking on it, only this type of measures will be displayed
Alarm	Total amount of measures sent from the sensor with, at least, one measure on a channel exceeds a previous configured threshold. Clicking on it, only this type of measures will be displayed
Invalid	Total amount of measures sent from the sensor with, at least, one measure on a channel declared invalid by the diagnosis system. Clicking on it, only this type of measures will be displayed
Off line	Total amount of times where the basestation has not received, from the sensor , measurements on time and has declared a state of off-line. Clicking on it, only this type of measures will be displayed

Deleting a sensor

In this page, **sensors** can be definitively deleted from the **Service Center**. A dedicated link appear in the left column if the following conditions are true:

- The account in use is master type
- The **sensor** has already been removed from the system configuration

Events

[Home](#) > [Eventi](#)

Tutti
Radio
Soglie
Anomalie
Upload dati

Tutti gli eventi

<div> <div>◀</div> <div>◀ 140/196 ▶</div> <div>▶</div> </div>						
	Data e ora	sistema WSN	Sonda	Misura	Evento	Note
⚡	2012-06-06 10:50:00	impianto demo2	sensor 1	Temperatura(Ch1)	Soglia Massima rispettata	Misura:24.99 °C
↑	2012-06-06 10:48:00	impianto demo2	sensor 1	Temperatura(Ch1)	Superamento critico soglia Massima	Misura:25 °C , Soglia:25 °C
⚡	2012-06-06 10:47:00	impianto demo2	sensor 1	Temperatura(Ch1)	Soglia Massima rispettata	Misura:24.99 °C
↑	2012-06-06 10:34:00	impianto demo2	sensor 1	Temperatura(Ch1)	Superamento critico soglia Massima	Misura:25 °C , Soglia:25 °C
✖	2012-06-06 10:30:01	impianto demo2			Mancato aggiornamento dati	2012-06-06 10:00:00
⚡	2012-06-06 10:19:00	impianto demo2	sensor 1	Temperatura(Ch1)	Soglia Massima rispettata	Misura:24.95 °C
↑	2012-06-06 10:03:00	impianto demo2	sensor 1	Temperatura(Ch1)	Superamento critico soglia Massima	Misura:25 °C , Soglia:25 °C
⚡	2012-06-06 09:55:00	impianto demo2	sensor 1	Temperatura(Ch1)	Soglia Massima rispettata	Misura:24.99 °C
↑	2012-06-06 09:14:00	impianto demo2	sensor 1	Temperatura(Ch1)	Superamento critico soglia Massima	Misura:25.01 °C , Soglia:25 °C
⚡	2012-06-06 09:07:00	impianto demo2	sensor 1	Temperatura(Ch1)	Soglia Massima rispettata	Misura:24.93 °C

This page shows a list of events recorded by the system. Events are listed in reverse chronological order displayed in pages of ten elements each

Event icon	Icon summarizing event type
Date and time	Event's date and time
WSN System	System's name where event occurred
Sensor	Sensor's name where event occurred
Measure	Sensor's name (channel) where event occurred
Event	Text describing the event
Note	Other information (ex: thresholds, measure values, etc.)

Event's filter

On the left side of the page a list of available filters is displayed; selecting a filter, only the events belonging to the selected category will be displayed.

All	Displays all the events (filter disabled)
Radio	Display only the events related to radio signal
Thresholds	Display only the events related to thresholds on measure channels
Malfunctions	Display only the events related to sensor's malfunctions (fault) or low battery
Data upload	Display only the events of failed connection between WSN systems and Service Center

Source's filter

The access to the event viewer from the main page, displays events from all sources (system, **sensor**, channel).

By accessing, instead, at the event viewer through the fields "register" present in "[WSN systems](#)" and "[single sensor](#)" views, only events coming respectively from the selected system and **sensor** will be displayed.

Chart list's filter

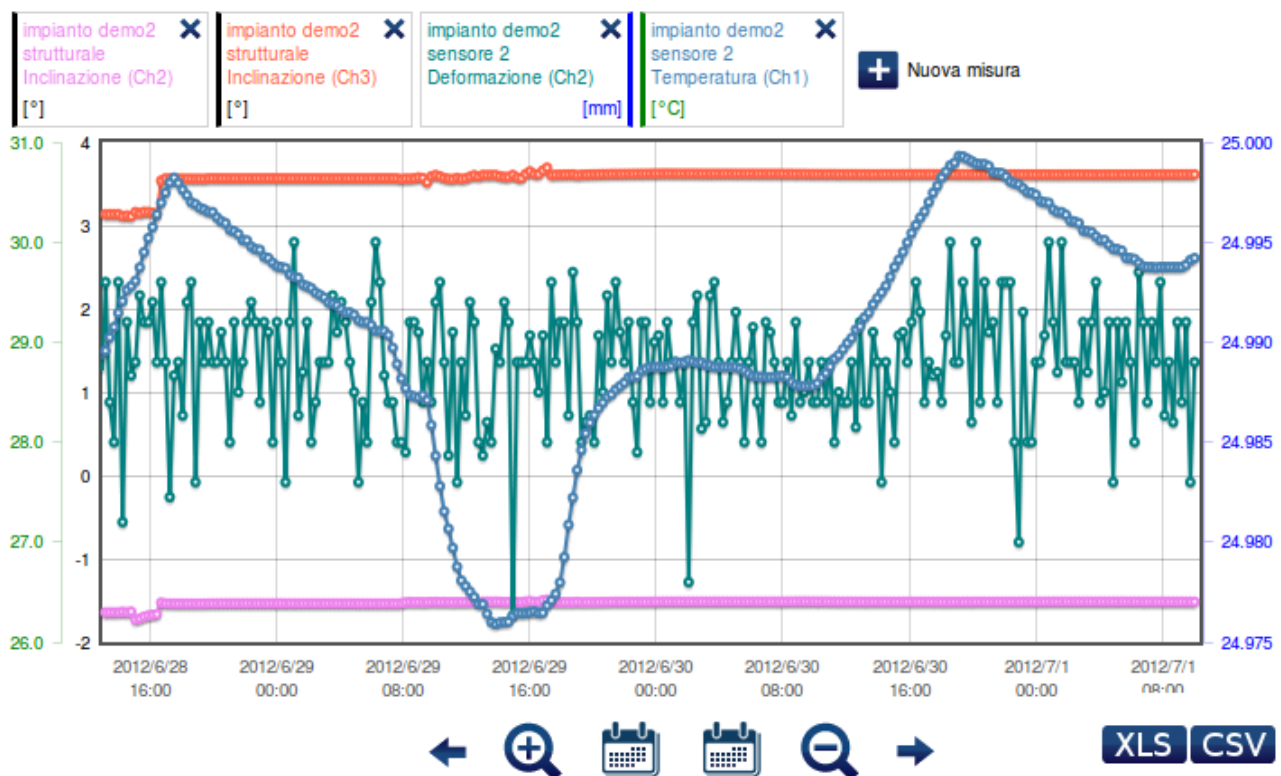
The page offers a filter mechanism to limit the number of charts displayed, following the criteria selected by the user; typing the chart name (or part of it) and/or the WSN system name and/or the **sensor** name the list displayed will be limited to the selected criteria. The update of the list is automatic as soon as criteria are typed.

Creating a new chart

To create a new chart click on the **+** icon; a mnemonic name for the new chart will be requested. Subsequently the new chart will be displayed and new tracks to be displayed may be added.

Chart (view)

[Home](#) > [Grafici](#) > [strutturale](#)



This page shows an example of selected tracks in a chart.
The page is divided in three sections (from top to bottom).


Track selection



Each track is represented by a rectangle containing measure's identifying coordinates in terms of WSN system/**sensor** name/measure name. The text color indicates the track's color in the chart.

Rectangle's left and right margins indicates the axis (chart's left or right axis) as the measure is referred; in case of multiple axis, these will be represented with different colors and the border color will indicates the axis color.

Clicking on  button the measure will be deleted from the chart.

Clicking on  button measure will be added to the chart; a measure selection panel will be showed allowing the measure selection.

Track visualization








The page's central portion, shows the track visualization area. The time axis may be moved forward and backward with a simply "drag & drop" operation on a chart's point.

Otherwise, moving the mouse pointer over a whatever sample, the detailed measure attributes (measure's coordinates, unit, measure's date and time) will appear.

Visualization settings.




The bottom side of the page shows a list of commands that allows the chart visualization set-up and the data export.

Icon	Description
	Move the visualization start and end dates backward by a quarter of the displayed interval
	Move the visualization start and end dates forward by a quarter of the displayed interval
	Halve the displayed time interval
	Double the displayed time interval
	Set-up displayed interval start/end dates
	Export all track's measures (in the displayed interval) in XLS format NOTE: Microsoft Excel 2007 or later necessary
	Export all track's measures (in the displayed interval) in CSV format NOTE: manually adjustment of the numeric format and date format may be necessary








Day-Degrees

The day-degrees calculation allows estimation of the heat supplied to a building, integrating, over time, the difference between the measured outdoor temperature and an indoor reference temperature. The **Service Center** let the qualified users to set up this calculation for all the desired temperature **sensors**. Each user can add or remove calculation day-degrees elements without influencing other users activity.

Addition or removal of calculation points is performed by clicking the  button and selecting the measure using the [measure selection panel](#). Because the calculation has a physical meaning only when applied to temperature measurements, the panel doesn't allow different types of measures selection. The user shall be sure to set the calculation only for external temperature **probes**, because the day-degrees calculation run on indoor temperature measures has no physical sense.

The **Service Center** allows two day-degrees calculation modes identical between them from the computational point of view, but different in the manner in which are provided the time intervals of calculation.


Heating season counter mode


Contatore gradi giorno su stagione termica									
sistema WSN	Sonda	Stagione termica		Gradi giorno D.P.R. 412/93	Gradi giorno reali		Performance index su base 24h (%)	giorni validi/totali	
		Inizio	Fine	conteggio	T rif.	conteggio			
DittaCapetti	ESTERNA_GG	2015-10-15	2016-04-15	643.1	20	643.1	-0.3%	54/184	  
DittaCapetti	ESTERNA_GG	2014-10-15	2015-04-15	2325.7	20	2325.7	1.2%	183/183	  
 Aggiungi misuratore gradi giorno									








In this mode, the calculation time interval is **the heating season** that is set-up by the master user and can't be modified by other users.

Date interval analysis mode

Modalità di calcolo: Analisi su intervallo date

Data inizio: 

Data fine: 

Analisi gradi giorno dal 2015-01-01 al 2015-12-09 (343 gg)									
sistema WSN	Sonda	Gradi giorno D.P.R. 412/93	Gradi giorno reali		Performance index su base 24h (%)	giorni validi/totali			
		conteggio	T rif.	conteggio					
DittaCapetti	ESTERNA_GG	2321.2	20	2321.2	28.3%	341/343	  		
DittaCapetti	ESTERNA_GG	2321.2	20	2321.2	28.3%	341/343	  		
 Aggiungi misuratore gradi giorno									


In this mode, the calculation time interval is selectable by the user without influencing other users activity. For this reason, two calendars are displayed for let the user select the calculation time interval.

Calculation result

The calculation result provides the following values:

DPR412/93 Day-Degrees	Count	Day-Degrees calculation result in the specified time interval, as provided by italian DPR412/93 (reference indoor temperature: 20 °C)
Real day-degrees	T rif.	Day-Degrees calculation result in the specified time interval, with selectable reference indoor temperature as provided by supply contract
	Count	Day-Degrees calculation result in the specified time interval, with selectable reference indoor temperature: T rif.
24H (%) Performance index		Percentage expressed day-Degrees calculation result in the specified time interval, using as reference temperature the medium temperature value (weighted on building envelope) coming from a user's selected group of indoor temperature sensors
Valid days/totals		Day-Degrees calculation needs outdoor temperature samples coming from the entire selected time interval. If, for any reason, the number of samples measured in a day is not sufficient to successfully perform the calculation, then the whole day will be considered invalid and its contribution to the calculation will be null. This cell shows the count of valid days and the total count of days in the analysis period


Calculation details visualization

Working on  icon a partial calculation result (each single day included in the analysis interval) may be displayed.

[Home](#) > [Calcolo gradi giorno](#) > [DittaCapetti.ESTERNA_GG](#)






Calcolo gradi giorno dal 2015-01-01 al 2015-12-09					
Data	Temperatura media	Gradi giorno D.P.R. 412/93	Gradi giorno reali	Temperatura media registrata	Performance index su base 24h (%)
2015-01-01	-0.87	20.9	20.9	17.05	-14.8
2015-01-02	1.08	18.9	18.9	15.06	-26.3
2015-01-03	2.29	17.7	17.7	14.21	-33.1
2015-01-04	6.91	13.1	13.1	13.71	-48.5
2015-01-05	2.89	17.1	17.1	13.48	-38.4
2015-01-06	1.12	18.9	18.9	16.81	-17.4
2015-01-07	2.25	17.8	17.8	18.93	-6.7
2015-01-08	3.15	16.9	16.9	20.14	0
2015-01-09	2.11	17.9	17.9	20.12	0
2015-01-10	5.32	14.7	14.7	17.91	-14.9
2015-01-11	6.93	13.1	13.1	17.05	-23.5
2015-01-12	4.58	15.4	15.4	19.56	-3.2
2015-01-13	2.78	17.2	17.2	20.43	1.7
2015-01-14	4.26	15.7	15.7	20.79	4.4
2015-01-15	3.89	16.1	16.1	20.86	4.9
2015-01-16	4.9	15.1	15.1	21.03	5.9
2015-01-17	5.66	14.3	14.3	19.13	-6.2
2015-01-18	2.3	17.7	17.7	17.35	-15.2
2015-01-19	2.8	17.2	17.2	19.36	-4
2015-01-20	3.61	16.4	16.4	20.43	1.8
2015-01-21	0.83	19.2	19.2	20.51	2.1
2015-01-22	2.32	17.7	17.7	20.75	3.4
2015-01-23	2.79	17.2	17.2	20.68	3.5
2015-01-24	3.11	16.9	16.9	18.67	-8.2
2015-01-25	3.67	16.3	16.3	17.13	-17.7
2015-01-26	1.33	18.7	18.7	19.37	-4.3
2015-01-27	0.82	18.2	18.2	20.15	0

Calculation parameters set-up

Clicking on the  icon, the master user can [set-up the calculation parameters](#)

Day-Degrees – set-up

[Home](#) > [Calcolo gradi giorno](#) > [impianto demo2.MACWLxTGG01](#)

Data inizio stagione	2011-10-15 															
Data fine stagione	2012-04-15 															
T rif gradi giorno reali	22															
T media gradi giorno registrati	<table border="1"> <thead> <tr> <th>Sonda</th> <th>Volume Climatizzato (mc)</th> <th></th> </tr> </thead> <tbody> <tr> <td>MACDEMO0002 (Ch 1)</td> <td>150</td> <td>✗</td> </tr> <tr> <td>MACWLxTGG01 (Ch 1)</td> <td>200</td> <td>✗</td> </tr> <tr> <td>sensore 3 (Ch 1)</td> <td>175</td> <td>✗</td> </tr> <tr> <td colspan="3"> Aggiungi sonda</td> </tr> </tbody> </table>	Sonda	Volume Climatizzato (mc)		MACDEMO0002 (Ch 1)	150	✗	MACWLxTGG01 (Ch 1)	200	✗	sensore 3 (Ch 1)	175	✗	 Aggiungi sonda		
Sonda	Volume Climatizzato (mc)															
MACDEMO0002 (Ch 1)	150	✗														
MACWLxTGG01 (Ch 1)	200	✗														
sensore 3 (Ch 1)	175	✗														
 Aggiungi sonda																
<div>SALVA ANNULLA</div>																

This page is used to set-up day-degrees calculation parameters for a selected WSN system.

Season start date	Heating season start date
Season end date	Heating season end date
T rif. real day-degrees	Reference temperature (in °C) for real day-degrees calculation
T rif. registered day-degrees	List of the temperature sensors used for the determination of the indoor reference temperature for the registered days-degree calculation. Each temperature sensor can be added, removed or coupled with relative building envelope. Registered day-degrees will be calculated as the difference between the average daily outdoor temperature and the average indoor temperature (weighted on building envelope) acquired by the sensors listed

Energy counters.

The counters report analyzes, in a selected time period, the electrical consumption of an installed energy monitoring system.



Utente: **demodemo**

Home > Report contatori

Tipo di calcolo:

Tipo di misura:

Soglia parziale:

Anno:

The report can be realized through the set-up of some parameters as the analysis time period, unit, effective plant activity thresholds.

Calculation type	<ul style="list-style-type: none"> • Annual: the analysis period will be related to the selected year. • Monthly: the analysis period will be related to the selected year and month. • Weekly: the analysis period will be related to the selected year and week. • Interval: the analysis period will be related to the selected start/end dates.
Measure type	<p>Different measurements may be selected to be monitored by dataloggers:</p> <ul style="list-style-type: none"> • Electric Energy expressed in KWh. • Apparente Energy expressed in kVAh. • Reactive Energy expressed in Kvarh.
Partial threshold	Value, expressed in energy/sampling interval, used as discriminant between values below the threshold, considered as "standby" consumption, and higher values considered as operation consumption.

Analisi: Annuale da 2015-01-01 a 2015-12-31 (8760h)
Misura: Energia elettrica (KWh)

	Progressivo				Totale				Parziale				Tempo parziale (h)			
	F1	F2	F3	TOT	F1	F2	F3	TOT	F1	F2	F3	TOT	F1	F2	F3	TOT
DittaCapetti																
Energia_Climat	176.8	115.6	115.6	473.9	0.0	0.0	0.0	0	0.0	0.0	0.0	0	2410.5	1800.5	3164.3	7375.3
Energia_ContatEDEL	34254.4	14473.3	14473.3	70972.4	34254.4	14382.1	14382.1	70838.6	34254.4	14382.1	14382.1	70838.6	2094.8	1584.3	2765	6444
Energia_FV	13108.5	2740.6	2740.6	18295.6	13108.5	2740.5	2740.5	18295.3	13108.5	2740.5	2740.5	18295.3	2202	1634.8	2870.8	6707.5
Energia_PC	8318.1	54.8	54.8	8463.4	137.7	34.7	34.7	230.3	137.7	34.7	34.7	230.3	2653.5	1731.3	3034.5	7419.3
Environment Park																
MAC0000354D	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
Gianpiro																
MACPULSECAP	184.8	380.5	380.5	1290	0.0	0.0	0.0	0	0.0	0.0	0.0	0	167	124	223	514
WSD12-PQ	1296.7	1489.4	1489.4	5214.8	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
SMILE-O																
ZA_U1	9325.2	2869.2	2869.2	14137.9	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZA_U2	25307.7	17238.4	17238.4	68142.9	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZA_U3	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZB_guasto	1.1	0.0	0.0	1.1	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZB_U1	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZB_U3	8766.6	3596.8	3596.8	15625.6	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZB_U4	1676.0	990.5	990.5	4026.7	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZCE	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZC_U1	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ZC_U2	10186.1	6242.0	6242.0	26521.6	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0
ValigiaSabino																
WSD12PQ	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	17.2	21	40	78.2

Progressive	Indicates the cumulated energy value in operating condition starting from the date/hour of the first installation to the actual date/hour
Total	Indicates the cumulated energy value in operating condition, within the selected analysis range
Partial	Indicates the cumulated energy value in operating condition within the selected analysis range, excluding values below the threshold, ("standby" consumption), considering only higher values (operating consumption)
Partial time (h)	Indicates the time, expressed in hours, of plant's effective operation within the selected analysis range, excluding values below the threshold, ("standby" consumption), considering only higher values (operating consumption)

All amounts are divided in time slots as indicated by the Italian Electric Energy and Gas Authority:

- F1 are peak hours: 8:00 ÷ 19:00 from Monday to Friday
- F2 are intermediate hours: 7:00 ÷ 8:00 and 19:00 ÷ 23:00 from Monday to Friday and 7:00 ÷ 23:00 on Saturday
- F3 are off-peak hours: 00:00 ÷ 7:00 and 23:00 ÷ 24:00 from Monday to Saturday and all hours for Sundays and holidays

(<http://www.autorita.energia.it/it/schede/C/faq-fascenondom.htm#1>)

Profile



Utente:capDemo



[Home](#) > [Profilo](#)

Profilo Master

Profilo	capDemo (master)
Email	<input type="text" value="master.user@company.com"/>
Password	<input type="password"/>
Conferma password	<input type="password"/>
Notifica eventi	mostra tabella
<input type="button" value="SALVA"/> <input type="button" value="ANNULLA"/>	

Profili Slave (3/50)

mario.rossi
maurizio.bertero
gestoreImpianto
+

Set-up in use user profile parameters.

NOTE: the section with red border is available only for MASTER type profiles.

Profile	Indicates the profile name (login) and the account type (BASIC/MASTER)
Email	Profile responsible's email address. All the communications related to the Service Center will be sent to this email address
Password	Fill this field if a password change is needed. A notification email will be sent NOTE: the password must be at least 8 characters long
Confirm password	Type again the new password to confirm
Event Notification	Allows selective enabling (according to the class) of e-mail notification from each plant. To display the notification enabling table click on " show table ".

Event Notification

The **Service Center** send e-mail notification to each profile responsible the significant events occurred in each plant. The Master profile user can choose which events notification receive to their e-mail address and which to ignore.

To display the notification enabling table click on "**show table**".


nascondi tabella

Sistema WSN	Connessione centro servizi	Sonda		Misura	
		Batteria	Radio	Soglia	Guasto
demo valigia (MAC 0000030A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
demo_old (MAC 000000F2)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
impianto demo2 (MAC 00000173)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Basic Profiles

Basic profiles are user profiles with limited privileges that can be created by a Master profile. If enabled, the Master profile can create basic profiles to provide access, even to other users, to some or all of its systems.

Moreover, as "responsible" of basic profiles, Master choose which classes of events will be notified via email to each basic profile.

- To create a BASIC profile click on  icon
- To edit an existing profile click on the profile name

Basic profile

[Home](#) > [Profilo](#) > [Slave](#)

Azioni amministrative

SOSPENDE Sospende l'account

ELIMINA Elimina definitivamente l'account

Configurazione utente	
Login	<input type="text" value="maurizio.bertero"/>
Email	<input type="text" value="maurizio.bertero@vodafone.it"/>
Password	<input type="checkbox"/> Reimposta
Opzioni	<input checked="" type="checkbox"/> Calcolo gradi giorno
Abilitazioni	<input checked="" type="checkbox"/> demo_old (MAC 000000F2) Notifica eventi <input checked="" type="checkbox"/> Soglie di misura <input type="checkbox"/> Guasto misure <input type="checkbox"/> Batteria scarica <input type="checkbox"/> Segnale radio <input type="checkbox"/> Connessione centro servizi <input type="checkbox"/> impianto demo2 (MAC 00000173) <input checked="" type="checkbox"/> demo valigia (MAC 0000030A)
<input type="button" value="SALVA"/> <input type="button" value="ANNULLA"/>	

Basic profiles allows, the master user, to create access points with limited privileges to the **Service Center**. Each basic profile can be selectively enabled on a single WSN system.

Profile enabling and suspending

Every single basic profile can be suspended at any time by clicking the appropriate button; this will prevent the holder of the basic profile to log on **Service Center**. Clicking the button again the profile will be immediately reactivated.

Profile elimination

Clicking the "delete" button and confirming the operation the selected profile will be deleted. This operation can't be canceled.

User configuration

Login	Profile name (login)
Email	Profile responsible's email address. All the communications related to the Service Center will be sent to this email address
Password	Selecting this option a random password will be generated. This new password will be sent to the profile responsible's email address
Options	Enable possible optional functions
Qualifications	Enable the profile to access to single WSN systems. Not enabled system to the profile logged in will not be displayed
Event notification	Enable the email notification to the profile's responsible for each event class

NOTE: a new profile creation is immediately notificated to the email address of the profile responsible with login information (user name and password). The first password is automatically generated by the system. The user may change it operating on profile configuration.

Network key

[Home](#) > [Network key](#)

Attenzione: le network key devono corrispondere quelle configurate nella WSN

MAC address	Nome	Scadenza	Licenza webservice	Network key
00000173	DEMO_WDG	2022-07-10 00:00:00	AX34RFT993WW799	<input type="text" value="00000173"/> <input type="button" value="SALVA"/>
0000057A	ShowRoom	2013-11-01 00:00:00	45015aa55cd0e3c05fdc11aaf	<input type="text" value="0000057A"/> <input type="button" value="SALVA"/>

The *network key* is the encryption key that ensures the safety of each WSN. It is inserted into the WSN **basestation** (ex: MWDG, WDG or WLI) during the installation process and is then shared with all wireless **sensors** configured in the system.

The Internet **Service Center** must know the network key of each WSN system, because this is the encryption key with which they also send signed messages sent through the WSN systems.

So that the connection between each WSN system and the **Service Center** can occur regularly, it is essential that the same network key used for the system's installation is also included on this page of the **Service Center**.

On this page, expiration dates of the license fees for each WSN system are displayed; an automated email, alerts Master Account holders, respectively, 60,30,15 days before the expiration of the service fee, while, when there are less than 15 days, the email is sent daily.

NOTE: unless otherwise specified during installation of the WSN system, normally the network key is set equal to the MAC address of the basestation.

The *webservice license* is the authentication key to access data in webservice controller mode.

NOTE: only the Master users are enabled to view this page.

Datalogger



Utente: Demo



[Home](#) > [Datalogger](#)

Nome	MAC ADDRESS	Attivo
<input type="text" value="datalogger 1"/>	X0000000	<input checked="" type="checkbox"/>
<input type="text" value="datalogger 2"/>	X0000001	<input checked="" type="checkbox"/>
<input type="button" value="SALVA"/> <input type="button" value="ANNULLA"/>		

Unlike wireless **sensors**, which are stored in the **Service Center** according to the **basestation** which they are associated, USB sensors (**datalogger**) are not linked to any **basestation**. Within the **Service Center** is, therefore, necessary to create "virtual" systems in which the USB datalogger will be associated during the measurements upload.

The virtual systems associated to the master account can be enabled/disabled and renamed operating with this page.

Normally, each master account has at least one virtual system to contain the measurements of its USB datalogger, while additional virtual systems can be added by contacting **Capetti Elettronica**.

Exit

Clicking on this icon close the **Service Center** working session. User will be redirected to the login page.