Energy Brain Personal Report

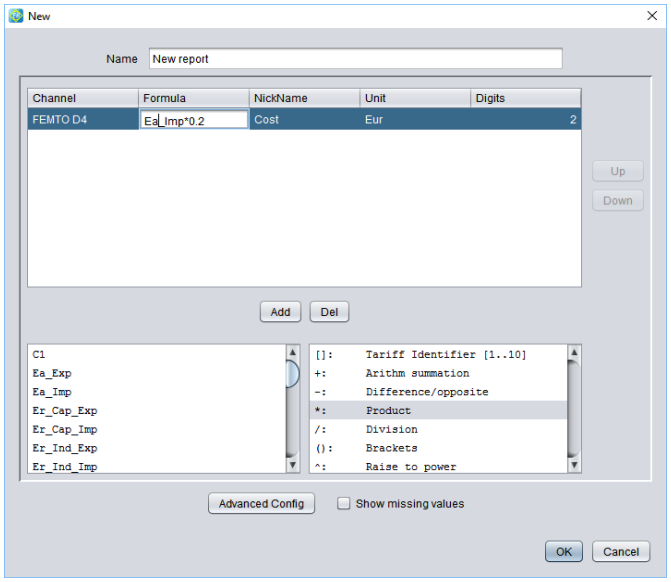
Option of Energy Brain

Energy Brain Personal Report is an option of Energy Brain software conceived for those who want to automate the sending of energy reporting, such as energy consultants.
It prepares and automatically sends periodic reports (daily, weekly, monthly and annual) based on data collected in the database of Energy Brain.
The report exported as Excel/CSV file (containing also data from different channels and locations) is then available for the final layout using ad hoc templates containing logos, graphics, images, etc.
The report exported as an Excel/CSV file can also be included as an attachment in an e-mail or saved automatically in a remote FTP location.

Report configuration

Using the specific configuration window it is possible to select the channels and the measures that will be included in the report, modify the columns titles, insert the units label and define the number of decimals displayed.

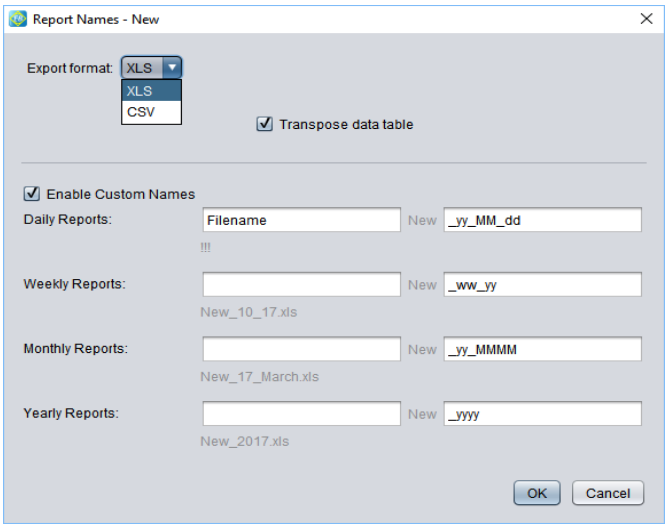
In addition it is possible to apply mathematical formulas to the measurements included (e.g. convert kWh in Euro). The formulas may refer also to data coming from different Locations.



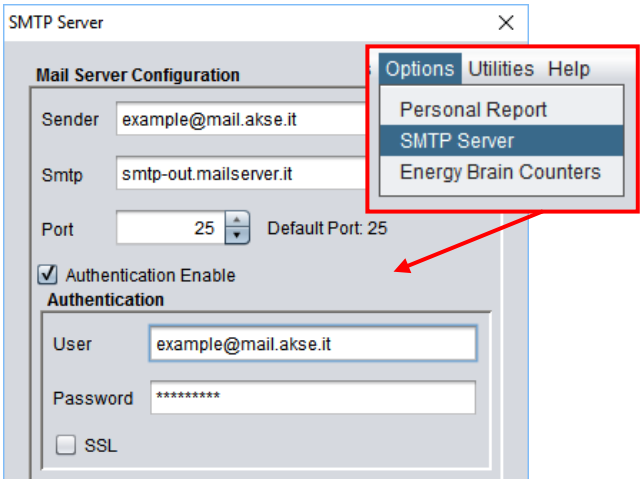
The user may configure the software in order to use pre-edited, customized templates (Excel files) including graphs, tables, logos and other custom elements. The customized templates are populated with data from the Energy Brains database automatically. So the templates may be customized considering the end user (e.g. the accounting office will receive every month the total consumptions, the maintenance team the data on Power Quality, etc.).

The format of the generated report file may a be an XLS (Excel) or CSV. It is possible to edit automatically the file's name considering the period-date to which the data of the report refer (e.g. Branch_One_2015_01).

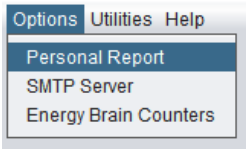
The period-date reference can be positioned before or after the file's name (e.g. 2015_01_24_Trafo_2).



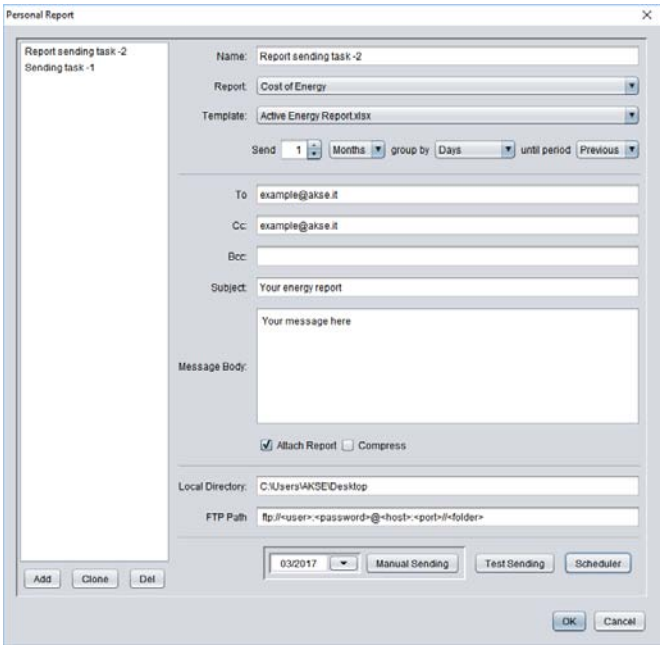
In order to activate the automatic sending of the reports as an e-mail attachment it is necessary to configure the e-mail server (SMTP port editable and SSL protection).



From the top menu bar under the Options voice it is possible to access configuration window of the sending procedure. It is possible to select:

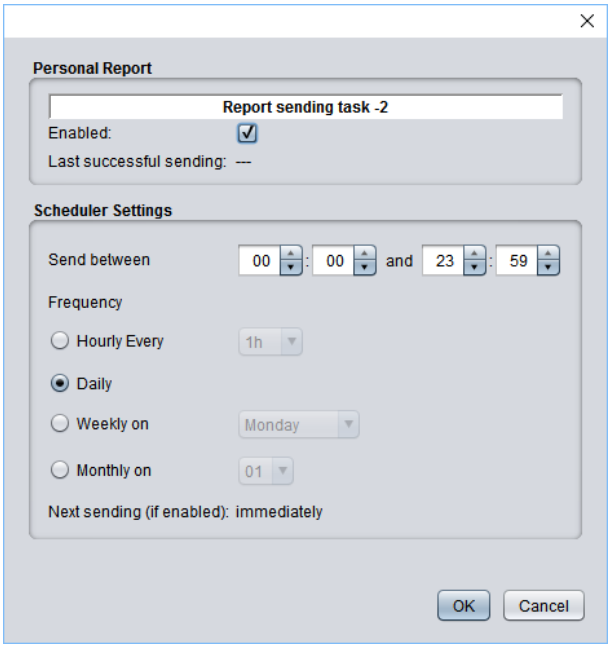


- the set of data to be included in the report
- the template used
  (folder of the templates: C:\.....\Energy_Brain\multiformula)
- the e-mail recipients
- local and remote (FTP) saving locations
- scheduler of the automatic sending activity



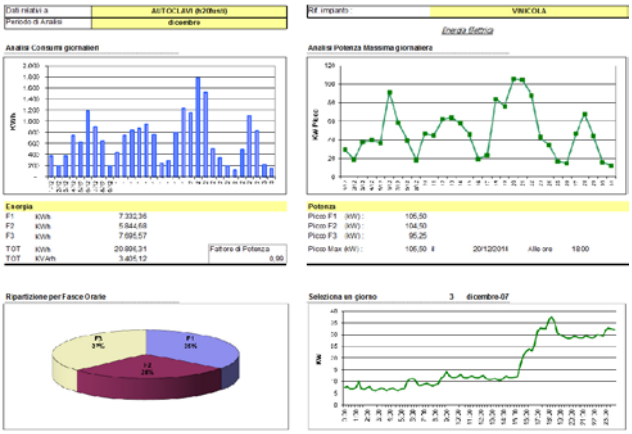
While the Scheduler of the Energy Brain software will activate the automatic download of the data into the PostgreSQL database, the Personal Report scheduler will activate the automatic generation and sending/saving of the reports.

In addition, when necessary, it is possible to generate and send manually any of the reports listed or export the data as an XLS (Excel) or CSV file in order to import it in a third party application (e.g. accounting software)

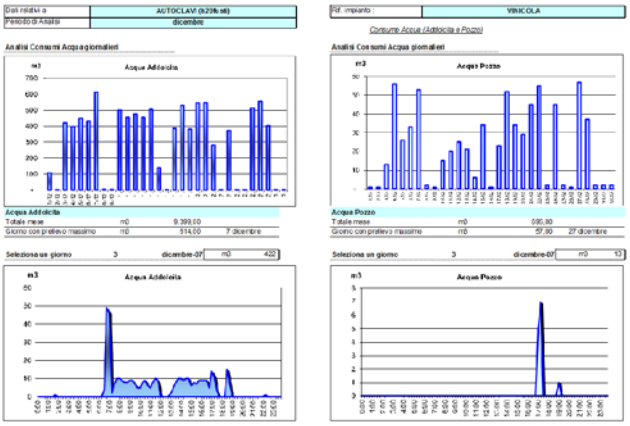


Personal Report examples with graphs and summary energy values:

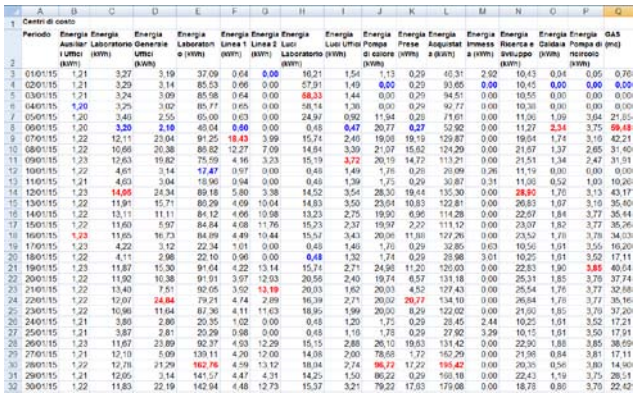
Personal Report example with graphs and energy consumption per each tariff:



Personal Report example with graphs on the water consumptions :



Personal Report example on the monthly cost center analysis:



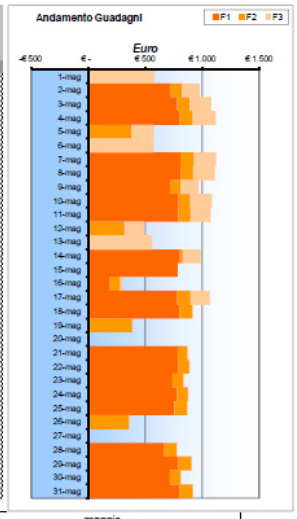
Personal Report example of the energy balance report of a CHP (natural gas, energy produced, hot water produced, steam and maintenance) including the revenue calculation:

Data Report :	maggio
Identificativo Canale :	Cogeneratore
Nome Cliente :	COGENERATORE

Dati relativi a	Cogeneratore

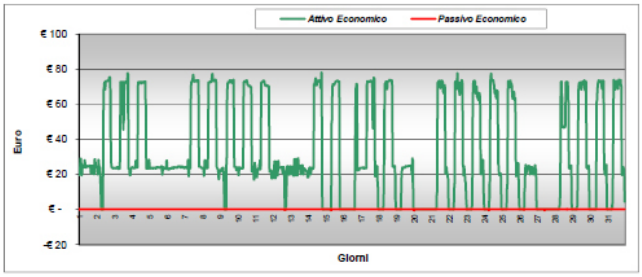
	Bilancio					Guadagni	
	Gas	Energia Elettrica Prodotta	Acqua Calda prodotta	Vapore	Manuten.		
F1	€ 20.775	€ 27.504	€ 6.100	€ 6.743	€ 3.195	F1	€ 16.377
F2	€ 14.176	€ 11.232	€ 4.170	€ 4.542	€ 2.196	F2	€ 3.572
F3	€ 14.932	€ 11.755	€ 4.366	€ 5.005	€ 2.299	F3	€ 3.895
Tot.	€ 49.882	€ 50.491	€ 14.635	€ 16.291	€ 7.690	Tot.	€ 23.844

	Day	Bilancio Guadagni TOT	Bilancio Guadagni F1	Bilancio Guadagni F2	Bilancio Guadagni F3
Mar	1/5	€ 582	€ -	€ -	€ 582
Mer	2/5	€ 977	€ 723	€ 100	€ 154
Gio	3/5	€ 1.079	€ 777	€ 112	€ 189
Ven	4/5	€ 1.116	€ 799	€ 118	€ 199
Sab	5/5	€ 571	€ -	€ 378	€ 193
Dom	6/5	€ 572	€ -	€ -	€ 572
Lun	7/5	€ 1.121	€ 806	€ 120	€ 195
Mar	8/5	€ 1.110	€ 811	€ 111	€ 188
Mer	9/5	€ 966	€ 717	€ 95	€ 153
Gio	10/5	€ 1.084	€ 789	€ 107	€ 188
Ven	11/5	€ 1.075	€ 789	€ 107	€ 179
Sab	12/5	€ 494	€ -	€ 318	€ 176
Dom	13/5	€ 556	€ -	€ -	€ 556
Lun	14/5	€ 984	€ 804	€ 25	€ 156
Mar	15/5	€ 783	€ 783	-€ 0	€ -
Mer	16/5	€ 304	€ 190	€ 91	€ 24
Gio	17/5	€ 1.064	€ 781	€ 117	€ 167
Ven	18/5	€ 915	€ 800	€ 114	€ 1
Sab	19/5	€ 386	€ -	€ 384	€ 1
Dom	20/5	-€ 1	€ -	€ -	-€ 1
Lun	21/5	€ 872	€ 785	€ 87	€ 1
Mar	22/5	€ 890	€ 789	€ 95	€ 5
Mer	23/5	€ 836	€ 739	€ 93	€ 5
Gio	24/5	€ 874	€ 776	€ 98	€ 0
Ven	25/5	€ 868	€ 753	€ 109	€ 5
Sab	26/5	€ 358	€ -	€ 358	€ 0
Dom	27/5	-€ 1	€ -	€ -	-€ 1
Lun	28/5	€ 773	€ 667	€ 106	€ 0
Mar	29/5	€ 905	€ 787	€ 117	€ 1
Mer	30/5	€ 809	€ 714	€ 94	€ 0
Gio	31/5	€ 922	€ 799	€ 118	€ 5



Data Report :	maggio
Identificativo Canale :	Cogeneratore
Nome Cliente :	COGENERATORE

Dati relativi a	Cogeneratore



Personal Report example analyzing a painting department:

	A	D	E	F	G	H	J	K
1								
2		Data Report Mensile:		gennaio-15			Legenda celle	
3		Identificativo Personal Report:		Verniciatura			Valore blu "X"	Picco minimo
4		Nome Cliente:					Valore rosso "X"	Picco massimo
5								
6	Minimo periodo.	9,25	11,17	0,00	19,19	0,00	0,00	0,00
7	Massimo periodo.	96.390,52	1.066,27	1.588,59	7.910,20	742,00	1.705,00	2.688,00
8	Media periodo.	6.754,90	625,42	933,93	4.819,53	380,40	873,65	1.468,30
9	Totale periodo.	243.176,44	12.508,40	18.678,59	96.390,52	7.608,00	17.473,00	29.366,00
10	243.140,00	96.390,52	1.066,27	1.588,59	7.910,20	742,00	1.705,00	2.688,00
11	14.973,43	4.062,31	625,42	933,93	4.819,53	380,40	873,65	1.468,30
12	494.123,23	134.056,19	12.508,40	18.678,59	96.390,52	7.608,00	17.473,00	29.366,00
13	20.916,00	3.263,64	1.066,27	1.588,59	7.910,20	742,00	1.705,00	2.688,00
14	7.843,23	1.059,55	625,42	933,93	4.819,53	380,40	873,65	1.468,30
15	243.140,00	32.846,14	12.508,40	18.678,59	96.390,52	7.608,00	17.473,00	29.366,00
16	Recupero calore forno smalto (MJ)	F.M. CTA V 32 sotto scocca (kWh)	F.M. CTA V 33 fondo (kWh)	F.M. ventil. smalto 1.2 CTA V54 (kWh)	F.M. CTA smalto 1 e 2 (kWh)	Metano CTA V52 zona interni (m3)	Metano CTA V54 smalto 1.2 (m3)	Metano CTA V55 smalto 2 (m3)
17	415,00	10,62	16,49	0,00	24,31	0,00	0,00	0,00
26	781,00	129,47	66,25	461,55	1.156,80	19,00	243,00	162,00
27	7.910,00	1.028,24	464,18	589,45	3.263,64	310,00	536,00	916,00
28	904,00	1,22	1,21	13,24	11,09	14,43	24,93	11,87
29	872,00	1,21	1,20	12,90	11,01	14,34	24,80	11,84
30	19.244,00	42,87	33,00	2.533,42	2.306,21	1.032,26	7.811,83	1.576,31
31	14.965,00	40,32	3,59	2.380,32	2.200,11	982,36	7.642,60	1.672,18
32	17.041,00	40,94	3,77	2.383,43	2.209,99	986,46	7.676,75	1.654,90
33	17.606,00	40,13	3,23	2.499,89	2.390,64	1.065,58	7.607,20	1.833,46
34	19.743,00	40,52	2,69	2.621,46	2.377,75	1.060,27	7.844,71	1.942,77

Minimum System requirements

Minimum hardware requirements: PC Processor 2 GHz, 4GB, 500GB HD, USB port, network interface card, Monitor VGA 1024x768.

Software Requirements: Windows 10, Windows 8.1, Windows 7 SP1 (32 and 64 bit), Windows XP (32 and 64 bit), Windows Vista SP2 (32 and 64 bit), Windows Server 2008 (32 and 64 bit), Windows Server 2012 (64 bit).

Virtual servers: same as the requirements above. For the Energy Brain versions using the hardware protection USB dongle key, must be verified the availability of a physical USB port.

For more info please refer to the specific datasheet on Energy Brian software.

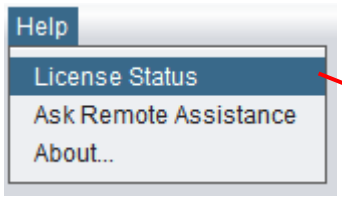
Order codes

Type	*Code*
Option Energy Brain Personal Report PFSW400-00	

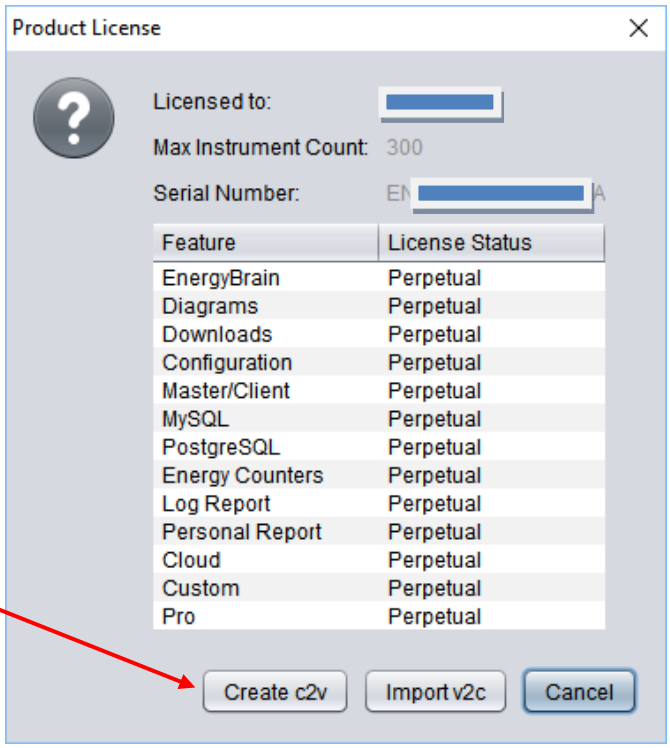
How to order

The Personal Report option can be activated also after the initial installation of the software Energy brain.

From the top menu bar select …



License Status which leads to the window allowing to generate the “ordering file – c2v” and the “remote activation file – v2c”.



Subject to modification without prior notice
Data sheet Energy Brain Personal Report 2015 02 18-ENG

Distributor

ELECTREX the energy saving technology

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