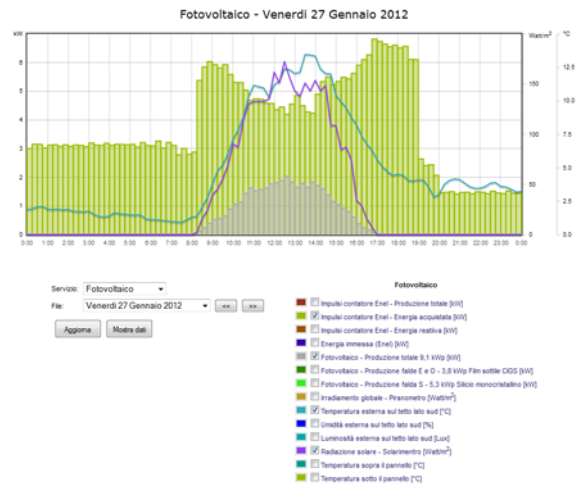


# Yocto net Upgrade Charts

## Yocto net Upgrade



**Yocto net Upgrade Charts:** software implementation, activated by PUK entry on the Yocto net's configuration page. It activates on-line daily charts displaying data on electric energy, temperature, humidity, luminosity, etc. retrieved from the logging files saved into the Yocto net Log network interface. The web pages displaying the charts are hosted within the Yocto net and not in a PC, can be displayed from any PC, tablet, smart phone, etc. The charts can display measurements upcoming from different devices (X3M, Femto, Atto, Deca Sensor, Yocto I-O, etc.), different parameters (electric energy, gas m3, luminosity, humidity, environmental temperature, contact temperature, etc.), browse between different days and display the data in a numeric format.

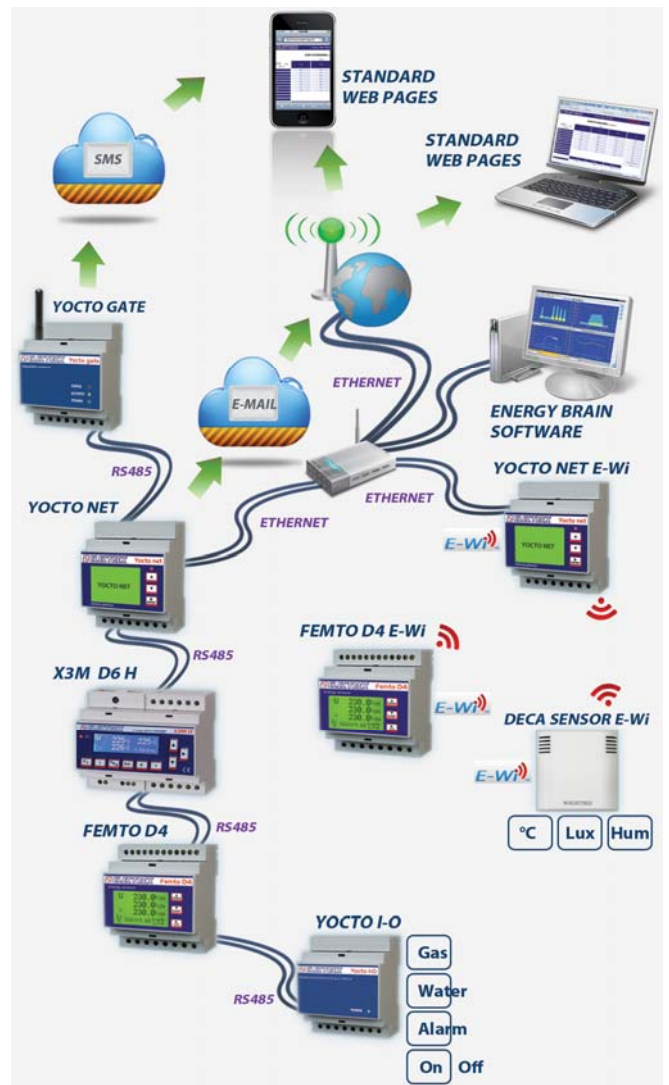
### Yocto net Network Example

In the network here beside a first Yocto net is connected through the RS485 port to various devices: an X3M H D6, a Femto D4, an Yocto I-O (retrieving data from a gas meter, a water meter, managing a process alarm and commands an output state) and an Yocto gate. Another Yocto net Coordinator E-Wi is connected through radio waves (wireless) to a Femto D4 E-Wi and a Deca Sensor E-Wi, which measures temperature, luminosity and environmental humidity. A PC is used for retrieving and managing the data through the Energy Brain software. The PC can be located anywhere: in the company facilities or at the headquarters of an outside consultant.

All the network is managed and monitored directly from the Yocto net and the measures and the daily charts pages are enabled by implementing the **Yocto net Upgrade Charts** option. This means that it is not needed a second PC where the devices are installed, so you avoid also additional energy consumption, problems related to the PC functioning causing the loss of data, etc.

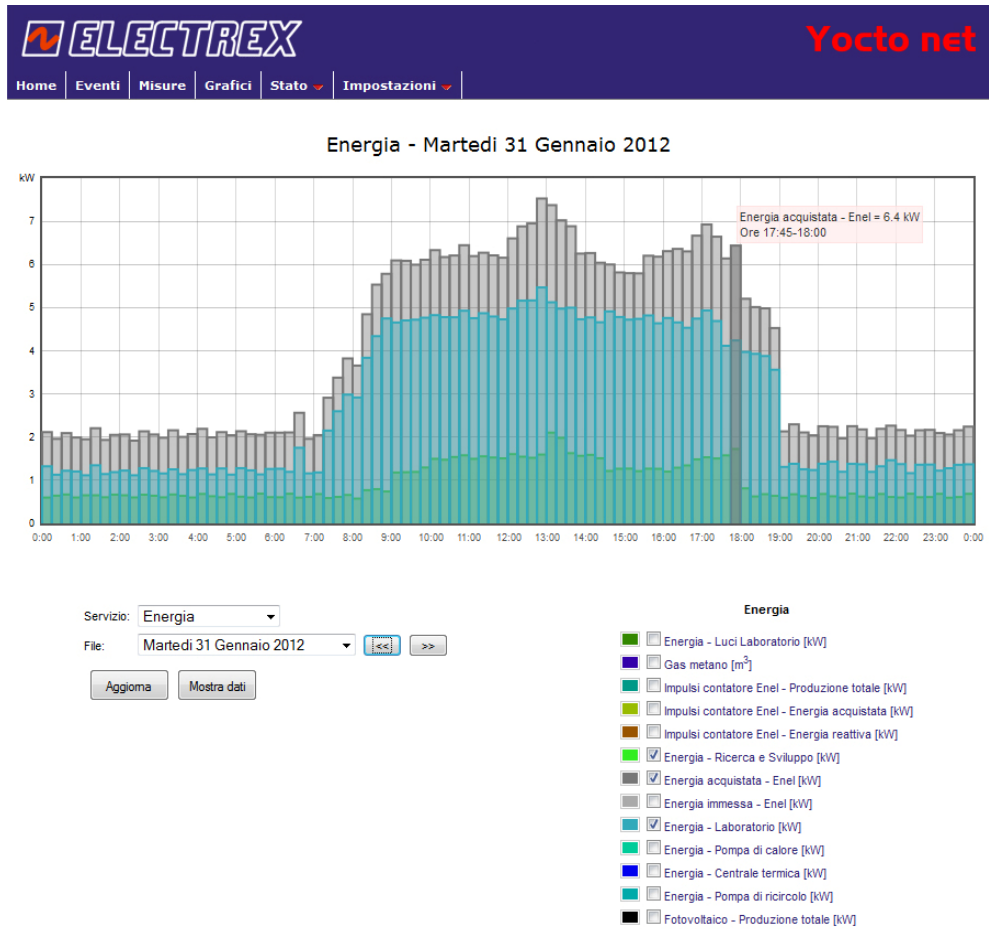
Further software implementations which can be installed in the Yocto net are the following:

- **Yocto net Upgrade Web:** enables HTML WEB pages displaying real-time measurements on-line, from any of the instruments connected to the Yocto net.
- **Yocto net Upgrade Web Open:** it adds the possibility to customize the real-time measurements WEB pages.
- **Yocto net Upgrade Mail Alarm:** it adds the possibility to send e-mails and/or SMS (in this case the Yocto net should be connected to an Yocto Gate) to several recipients if a previously set event occurs.
- **Yocto net Upgrade Calendar:** it adds the possibility to manage functionalities of Energy Automation as turning on/off, alarms/alerts/notifications and automations based on a yearly calendar configurable also on a minute/hour/day/month basis.
- **Yocto net Upgrade 4-You:** it adds the possibility to modify an existing logging service on a Yocto net Log. For example, in order to perform a load profile survey and/or increase/decrease the sampling frequency and the logging period.

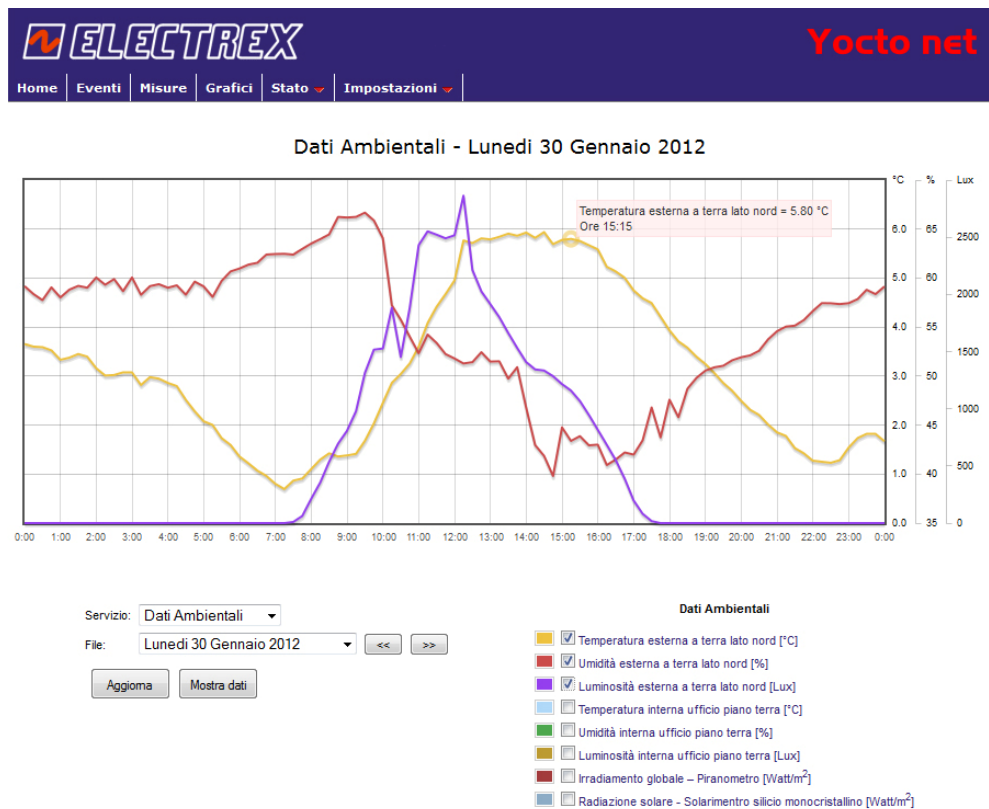


More info on the **Yocto net** device can be found on our web site <http://www.electrex.it/en>.

**Charts examples**



Electric energy charts

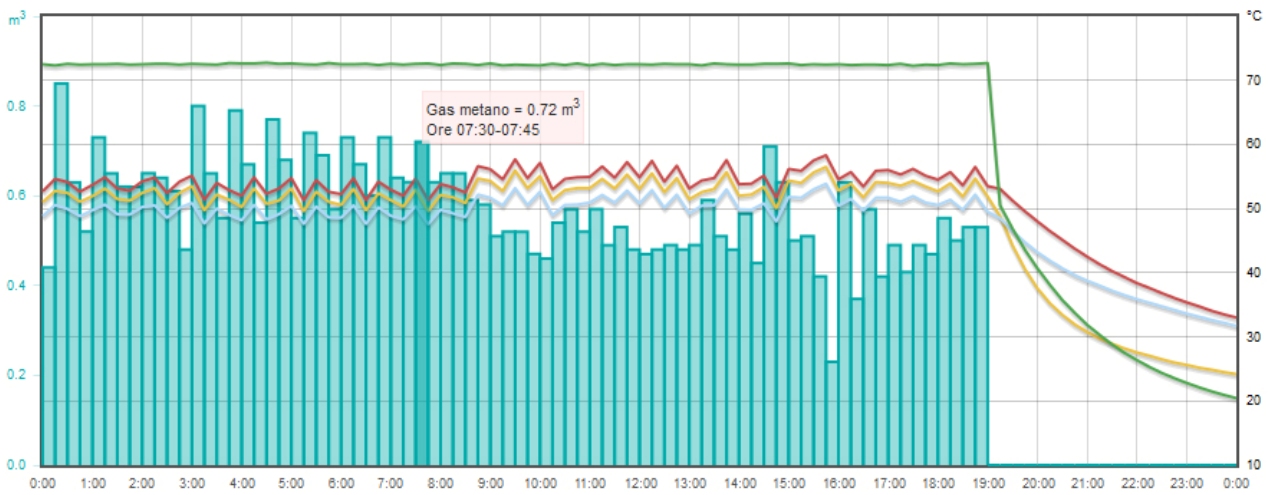


Environmental parameters charts

**ELECTREX** **Yocto net**

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Centrale Termica - Venerdì 27 Gennaio 2012



Servizio: Centrale Termica ▾

File: Venerdì 27 Gennaio 2012 ▾ << >>

Aggiorna Mostra dati

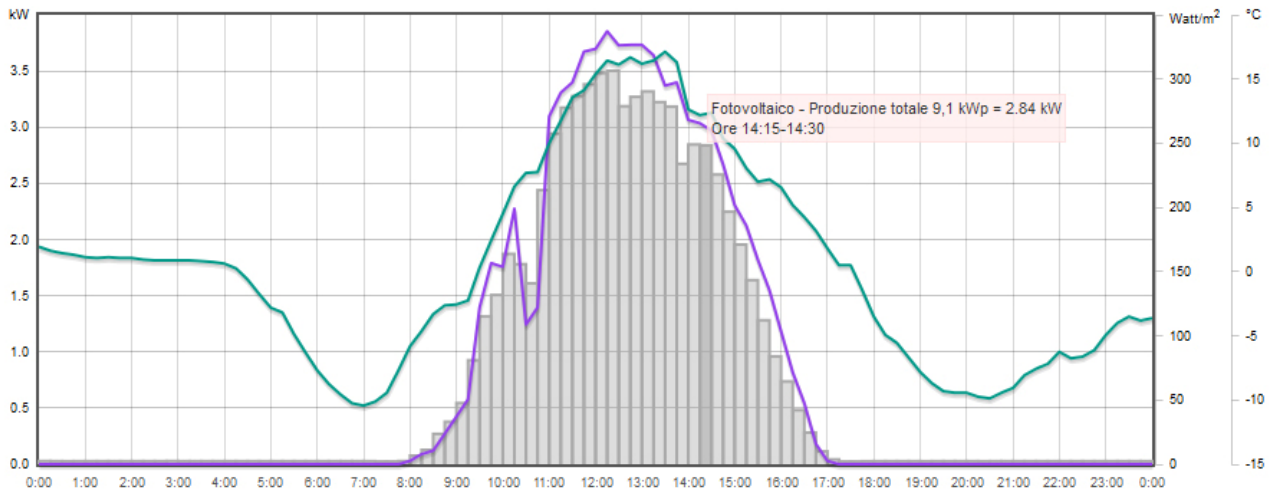
Centrale Termica

- Gas metano [m³]
- Energia - Pompa di calore [kW]
- Energia - Caldaia [kW]
- Energia - Pompa di ricircolo [kW]
- Temperatura acqua - Rientro caldaia [°C]
- Temperatura acqua - Rientro pompa di calore [°C]
- Temperatura acqua - Mandata pompa di calore [°C]
- Temperatura acqua - Mandata caldaia [°C]
- Temperatura acqua - Rientro da laboratorio [°C]
- Temperatura acqua - Rientro da uffici piano terra [°C]
- Temperatura acqua - Rientro da ricerca e sviluppo [°C]
- Temperatura acqua - Mandata accumulo [°C]

**ELECTREX** **Yocto net**

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Fotovoltaico - Lunedì 30 Gennaio 2012



Servizio: **Fotovoltaico** ▾  
File: **Lunedì 30 Gennaio 2012** ▾ << >>

- Fotovoltaico**
- Impulsi contatore Enel - Produzione totale [kW]
  - Impulsi contatore Enel - Energia acquistata [kW]
  - Impulsi contatore Enel - Energia reattiva [kW]
  - Energia immessa (Enel) [kW]
  - Fotovoltaico - Produzione totale 9,1 kWp [kW]
  - Fotovoltaico - Produzione falde E e O - 3,8 kWp Film sottile CIGS [kW]
  - Fotovoltaico - Produzione falda S - 5,3 kWp Silicio monocristallino [kW]
  - Irradiazione globale - Piranometro [Watt/m<sup>2</sup>]
  - Temperatura esterna sul tetto lato sud [°C]
  - Umidità esterna sul tetto lato sud [%]
  - Luminosità esterna sul tetto lato sud [Lux]
  - Radiazione solare - Solarimetro [Watt/m<sup>2</sup>]
  - Temperatura sopra il pannello [°C]
  - Temperatura sotto il pannello [°C]

**Order code**

Type	Code
Yocto net upgrade Charts (PUK) .....	PFSW940-30

Subject to modification without prior notice  
Data sheet Yocto net upgrade Charts 2012 02-ENG



Electrex is a brand of Akse srl  
Via Aldo Moro, 39 - 42124 Reggio Emilia (RE) - Italy  
Tel : +39 0522 924244 - Fax : +39 0522 924245  
www.electrex.it - email: info@electrex.it

Distributor