ELECTREX
the energy saving technology

Engineered and manufactured in Italy
Made in Italy
Pensato, progettato e prodotto in Italia

Yocto net Upgrade Mail Alarm

Yocto net Upgrade

Nome allarme	Intervallo	Stato	
Stato interruttore generale	5 x 1min	OK	
Stato interruttore inverter 1	5 x 1min	OK	
Stato Irraggiamento	5 x 1min	OK	
Stato Alba e Tramonto	1 x 5min	Allarme	
Stato Allarmi abilitati	1 x 5min	Allarme	

Yocto net Upgrade Mail Alarm: software implementation, activated by PUK entry on the Yocto net's configuration page it adds the possibility to manage functionalities of **Energy Automation** as turning on/off, alarms/alerts/notifications and automatic modification of parameters, event notification sending and more, conditioned by the changing state of registers of any of the Electrex devices present in the network.
For example, a Femto instrument detects a power threshold exceeding; the Yocto net consequently is configured to change the register of another instrument's output, for example of an Yocto I-O, in order to turn off a switchable load so that the absorbed power will be decreased. The Yocto net is configured to send an e-mail to the maintenance people in charge too.

The event notifications can be sent via e-mail or SMS (in this case an Yocto Gate must be connected to the Yocto net) to multiple recipients. In addition, on the Yocto net a web page resuming all the alarm states and a web page with the logs are available. Being on-line the pages can be displayed on any device, Pc, tablet, smart phone.
While adding the PUK implementation **Yocto net Upgrade Calendar** you can 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.

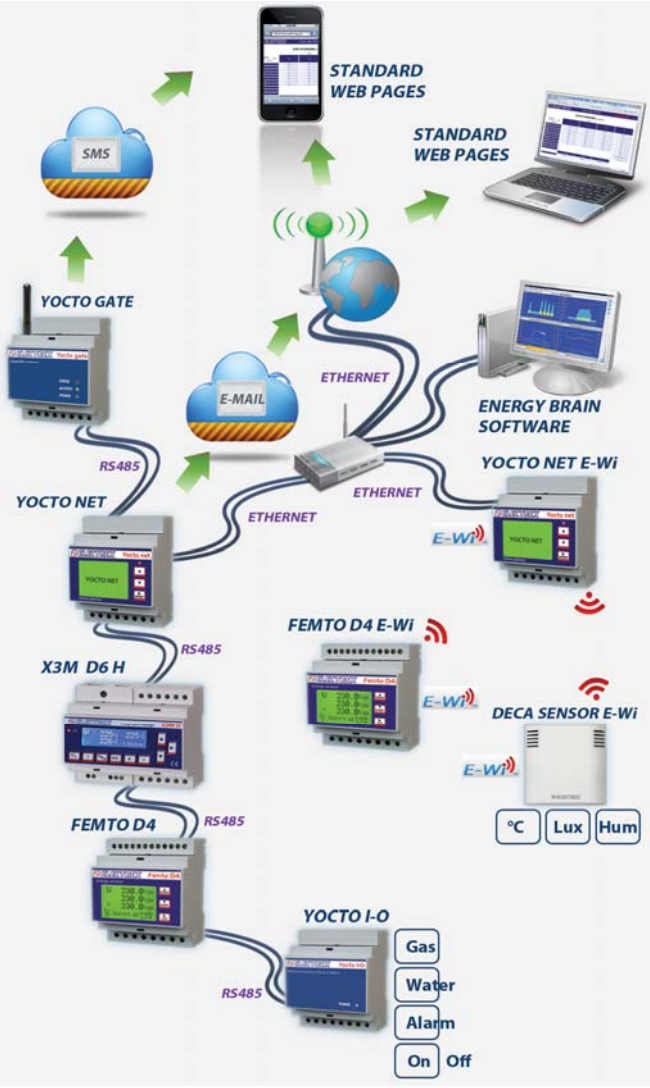
Yocto net Network Example

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 automation tasks, the measurements and the sending of notifications on specific events are enabled by the **Yocto net Upgrade Mail Alarm** 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 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 Charts:** it adds the possibility to display on a WEB page the daily charts of electric energy, temperature, humidity, luminosity, etc.
- **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.

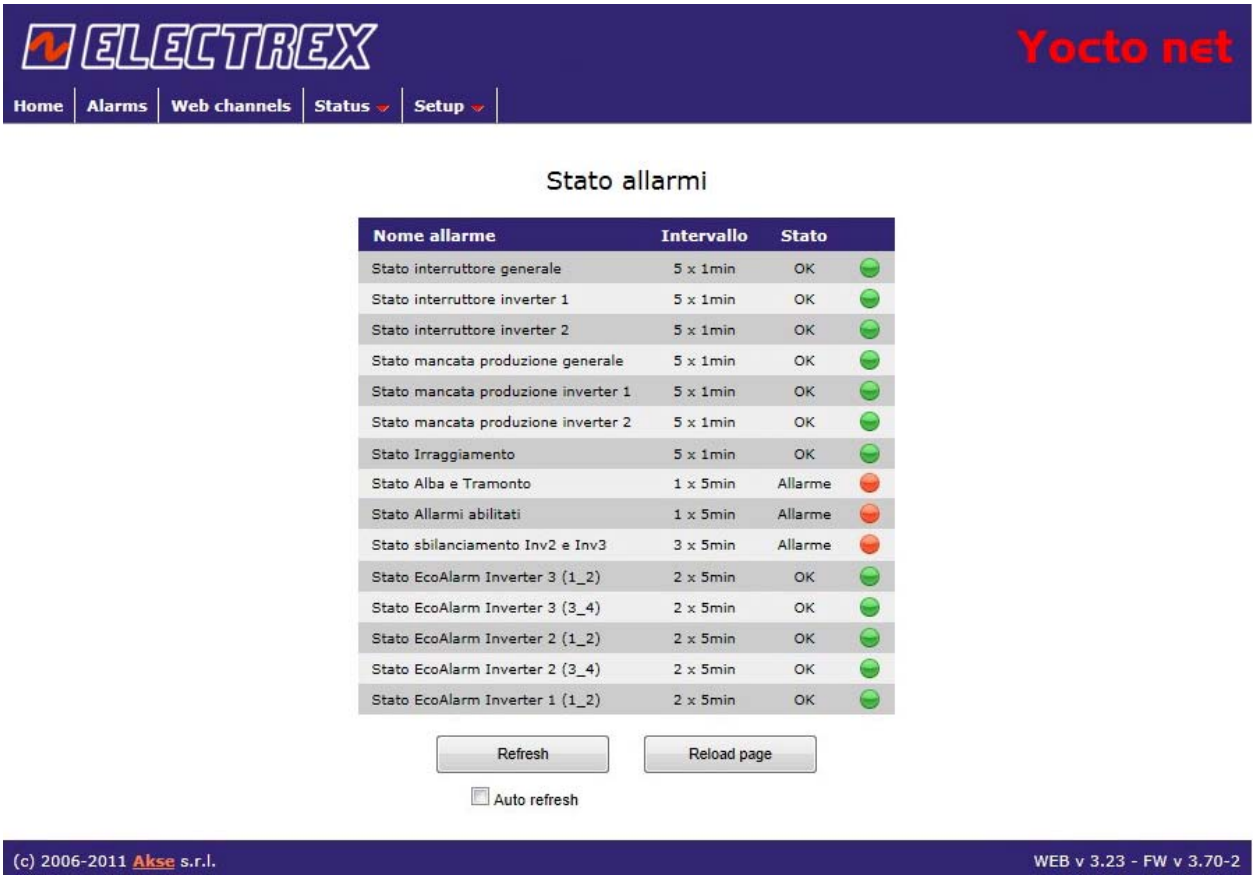


Event notification E-mail example

-------- Messaggio originale --------
Oggetto: Allarme no produzione QST 01 05 EC1 IN2 - Allarme ON (CODE:0001)
Data: Tue, 31 Jan 2012 12:49:33 +0100
Mittente:
A:<support@akse.it>

```
Tue Jan 31 2012 12:49:31
Allarme no produzione QST 01 05 EC1 IN2
Allarme ON (CODE:0001)
```

Alarm state web pages example



Notifications log example

Data/Ora	Stato	Messaggio	
Dom Gen 29 2012 16:54:32	OK	Ogg.	**Rientro Allarme supero soglia**
		Msg.	Sun Jan 29 2012 16:54:32 Rientro Allarme supero soglia 4kW
		e-mail	@akse.it -> Inviata (Dom 29 Gen 2012 16:54:36) @alice.it -> Inviata (Dom 29 Gen 2012 16:54:36)
		SMS	Non previsto
Dom Gen 29 2012 16:53:32	Allarme	Ogg.	**Allarme supero soglia**
		Msg.	Sun Jan 29 2012 16:53:32 Allarme supero soglia 4kW
		e-mail	@akse.it -> Inviata (Dom 29 Gen 2012 16:53:36) @alice.it -> Inviata (Dom 29 Gen 2012 16:53:36)
		SMS	Non previsto
Dom Gen 29 2012 16:50:32	OK	Ogg.	**Rientro Allarme supero soglia**
		Msg.	Sun Jan 29 2012 16:50:32 Rientro Allarme supero soglia 4kW
		e-mail	@akse.it -> Inviata (Dom 29 Gen 2012 16:50:36) @alice.it -> Inviata (Dom 29 Gen 2012 16:50:36)
		SMS	Non previsto
Dom Gen 29 2012 16:49:32	Allarme	Ogg.	**Allarme supero soglia**
		Msg.	Sun Jan 29 2012 16:49:32 Allarme supero soglia 4kW
		e-mail	@akse.it -> Inviata (Dom 29 Gen 2012 16:49:36) @alice.it -> Inviata (Dom 29 Gen 2012 16:49:36)
		SMS	Non previsto

Order code

Type	*Code*
Yocto net upgrade Mail Alarm (PUK)	*PFSW940-15*

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