



Quality management for building performance

NG-9 , Energy Monitoring of Buildings

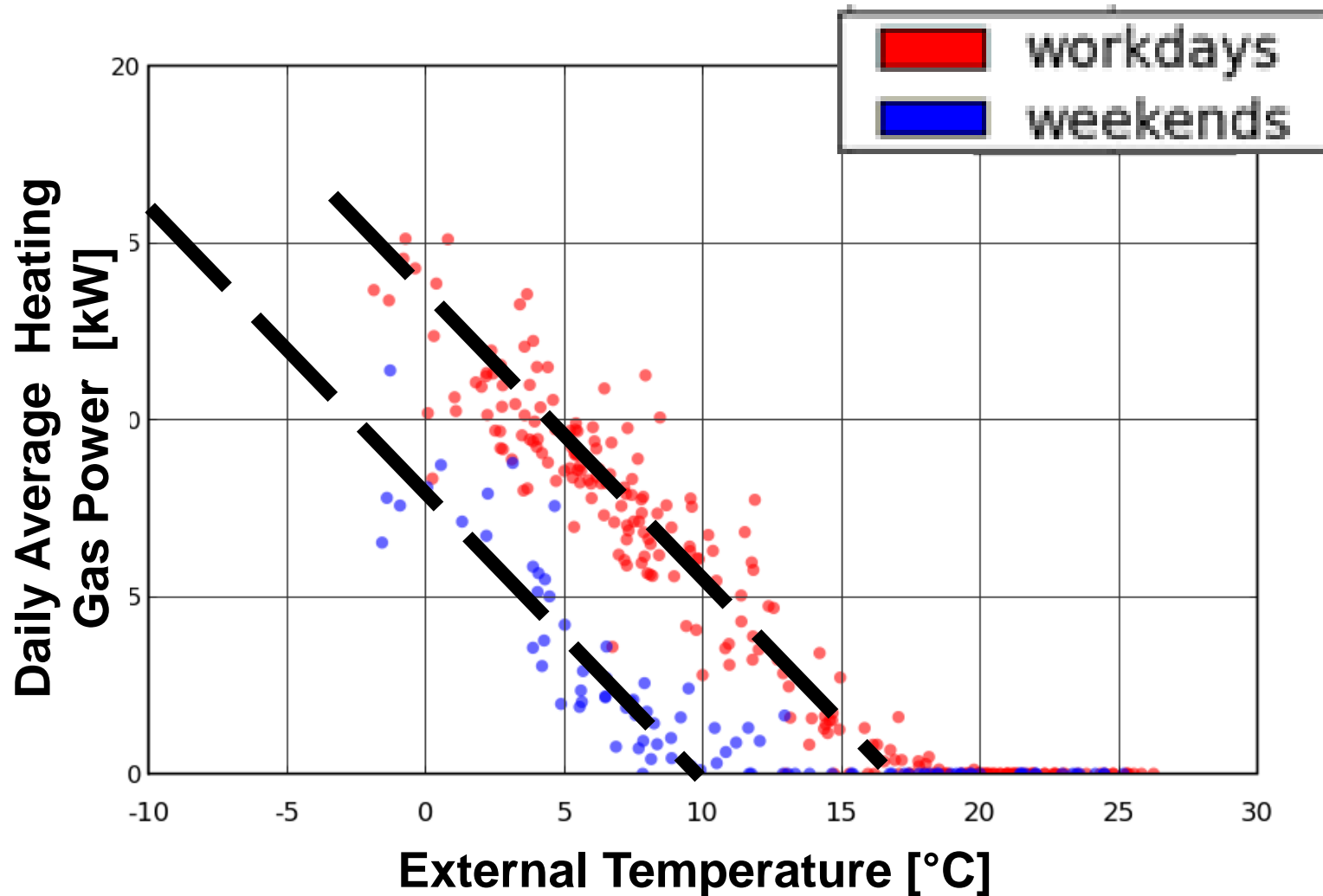
using energy data for obtain measurable energy efficiency

Michele Liziero - Energy Team SPA, Italy

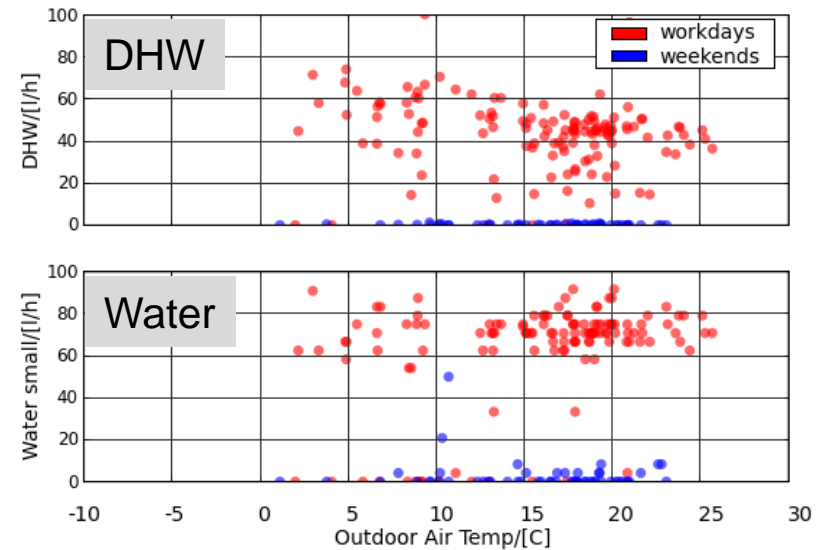
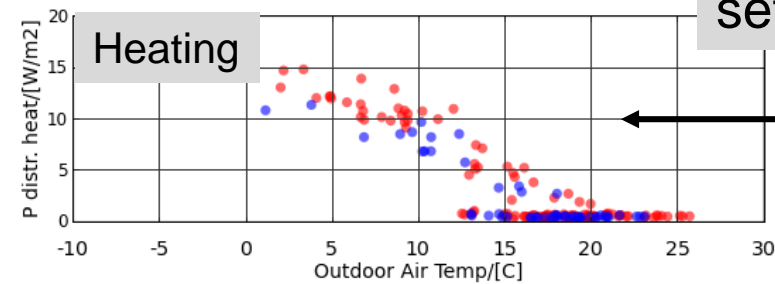
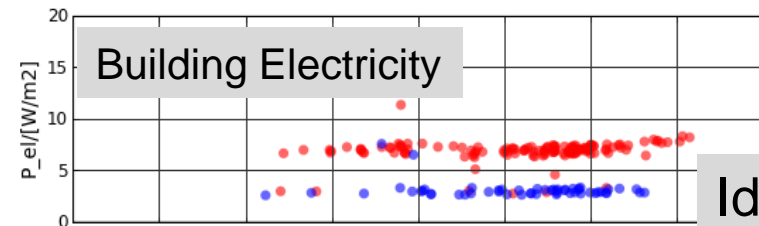
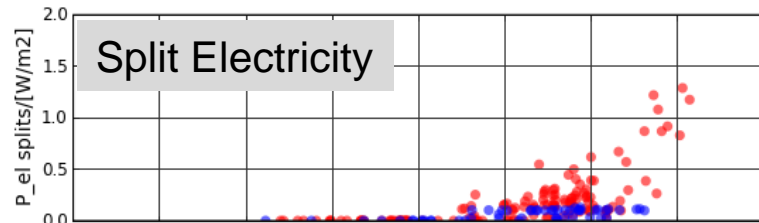
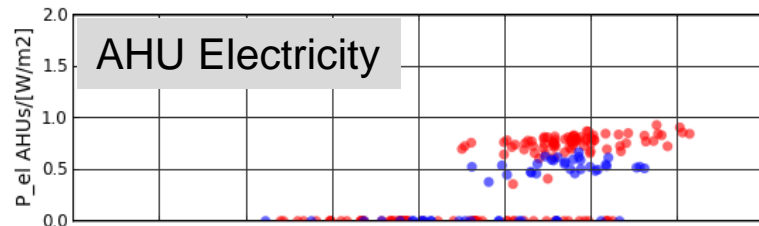
www.energyteam.it



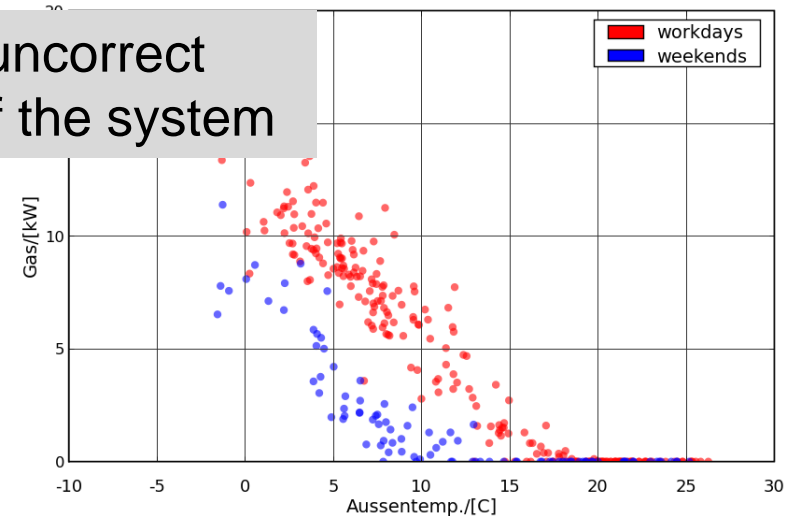
Identify your savings - Energy Signature (scatter plot)



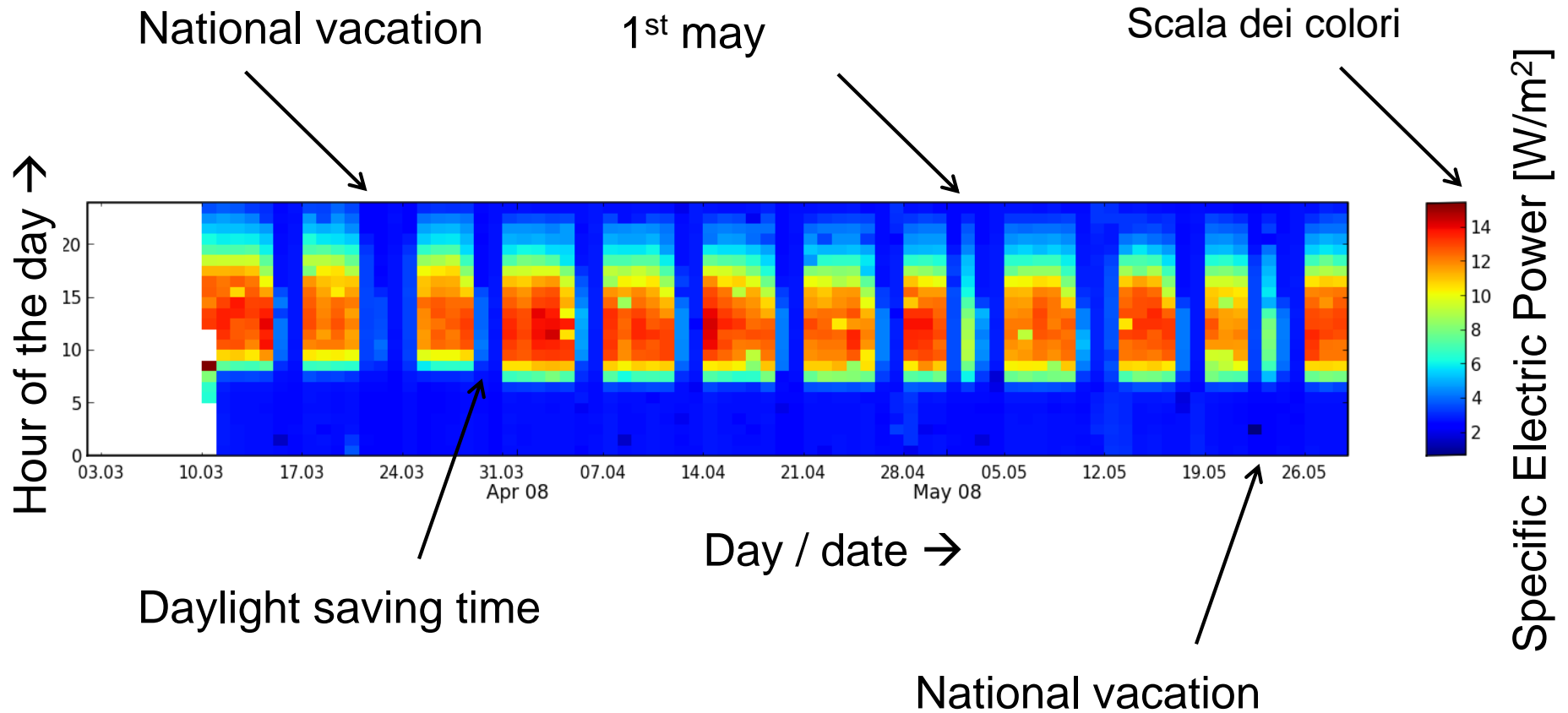
Identify your savings - Energy Signature (scatter plot)



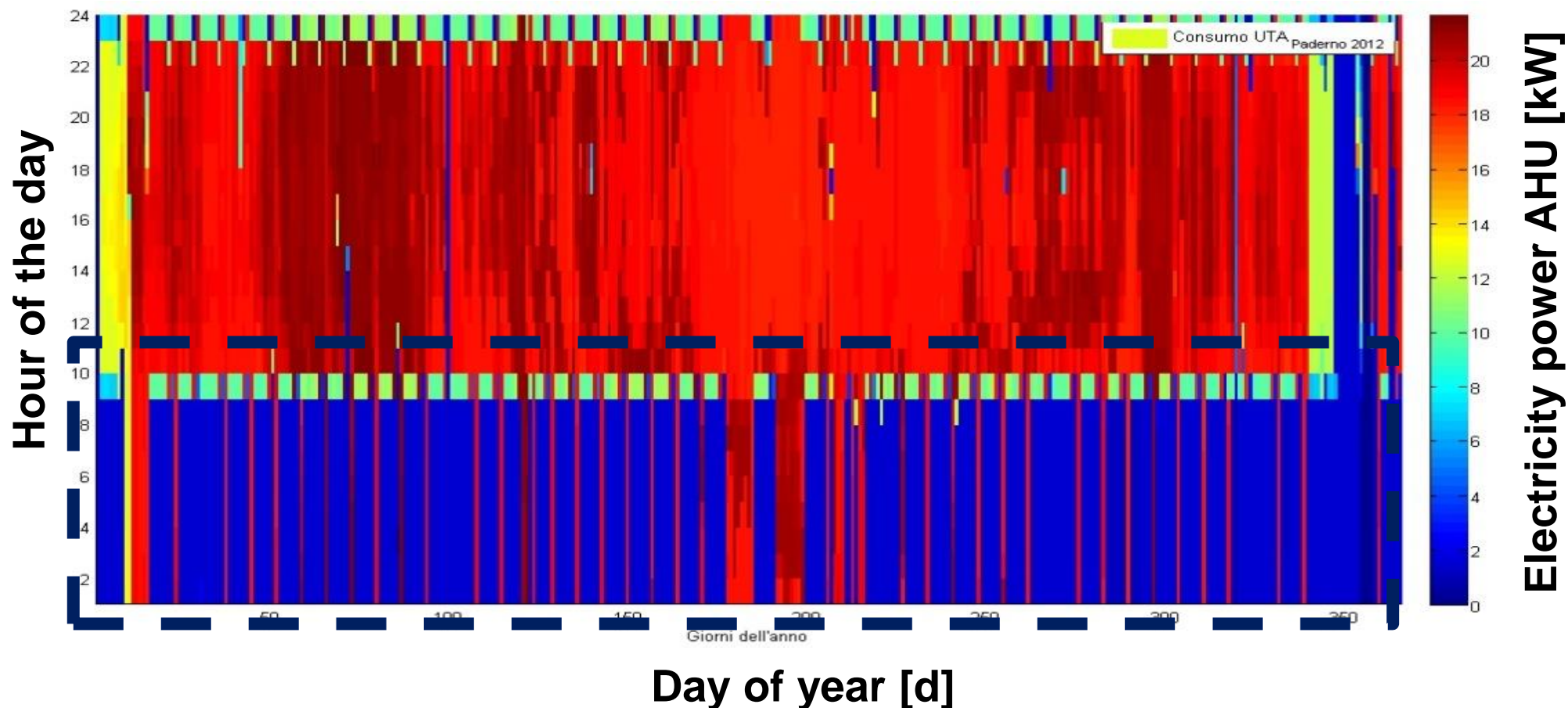
Identify incorrect set-up of the system



Identify your savings – Carpet Plot



Identify your savings – Carpet Plot

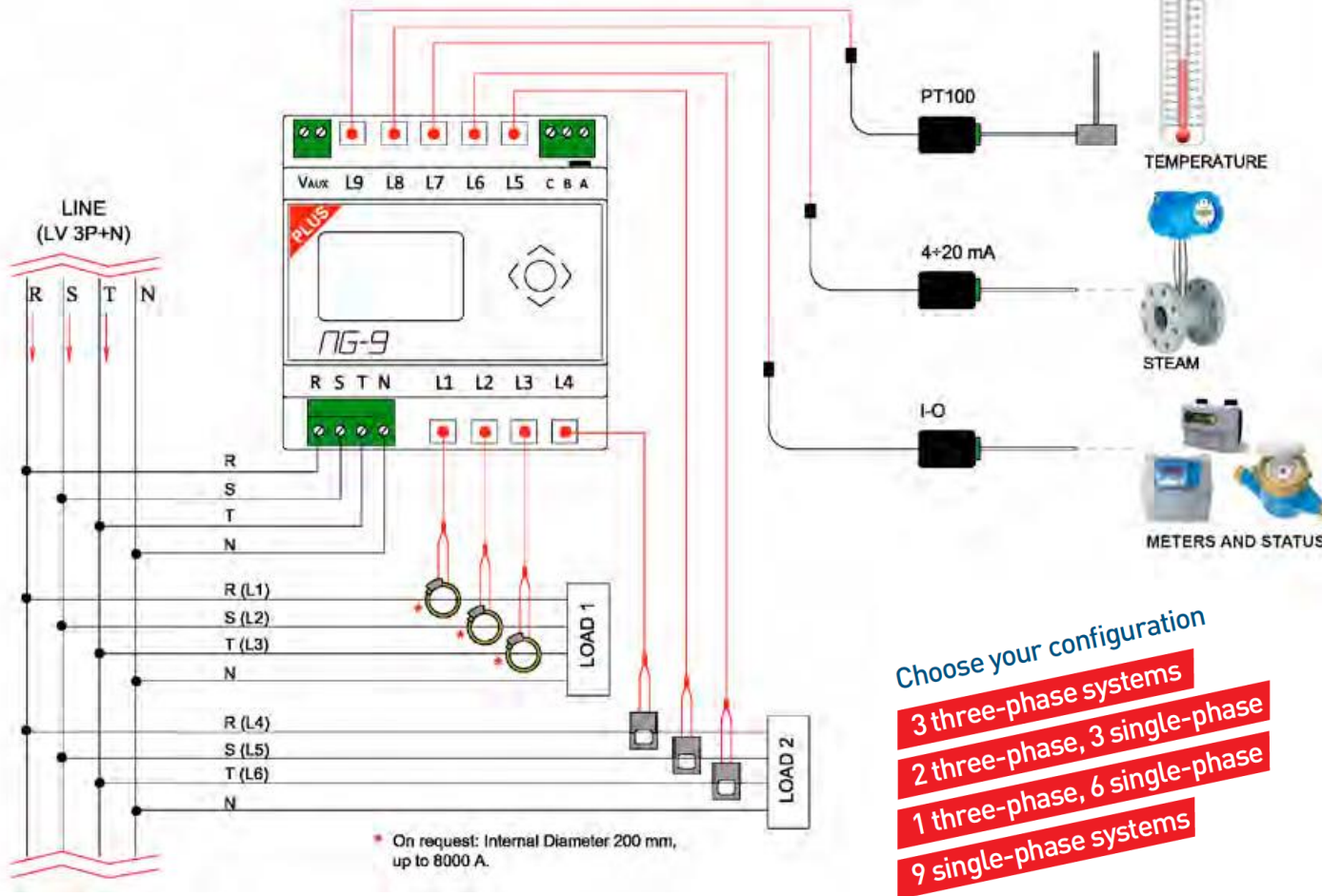


Monitoring AHU power: > 20 kW turned on in night time
23:00-7:00 for 60 days a year = >1200 € of saving at no cost



NG-9 tool

EXAMPLE OF CONNECTION: 2 THREE-PHASE SYSTEMS + PROBES



**Plug and play
probes, from 1 to
8000 Amps**

**Power analyser,
Mono-phase and
Three phase, other
probes**

**Easy configurable,
Up to 160 measures
in 5 DIN modules**

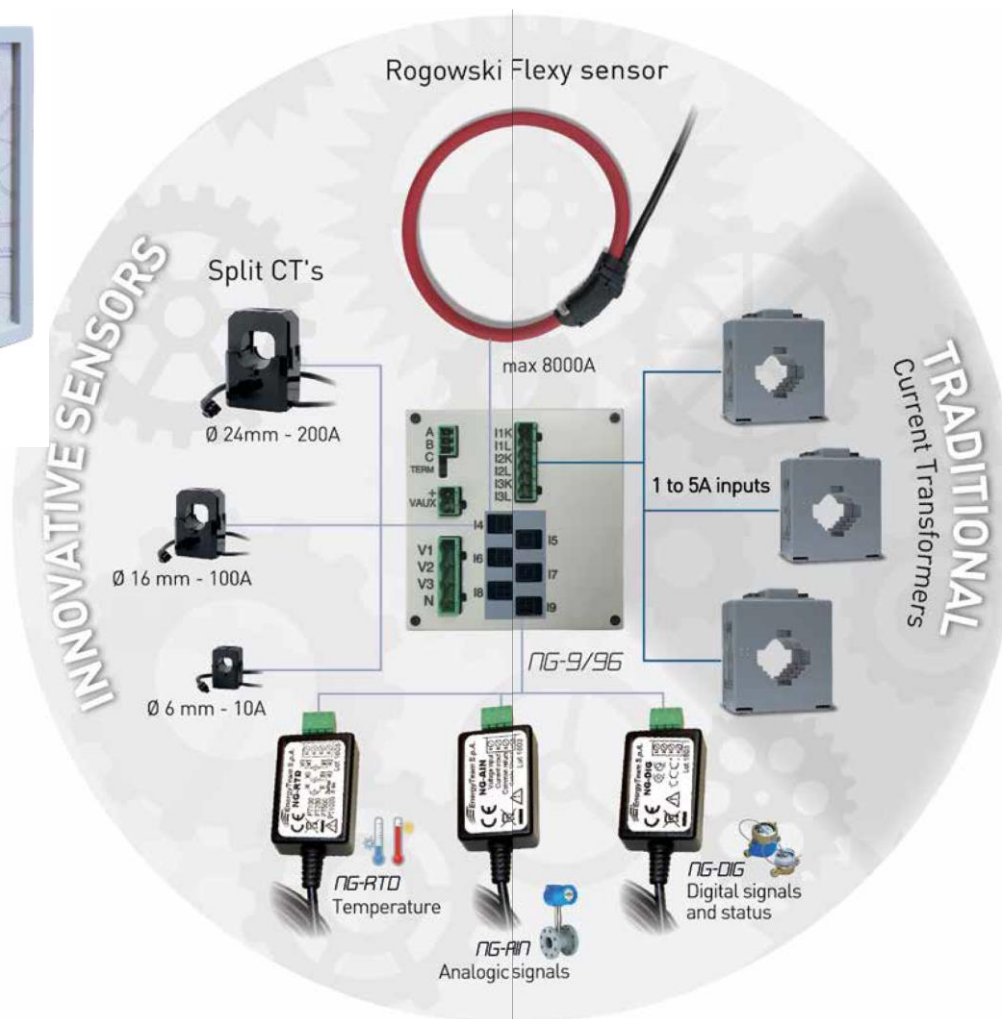
**Very Low power
consumption**

Choose your configuration

- 3 three-phase systems
- 2 three-phase, 3 single-phase
- 1 three-phase, 6 single-phase
- 9 single-phase systems



NG-9/96 front view and rear view



NG-9 96x96 mm

Substitute e.g. existing analog amp-meter while exploiting existing traditional Current Transformers

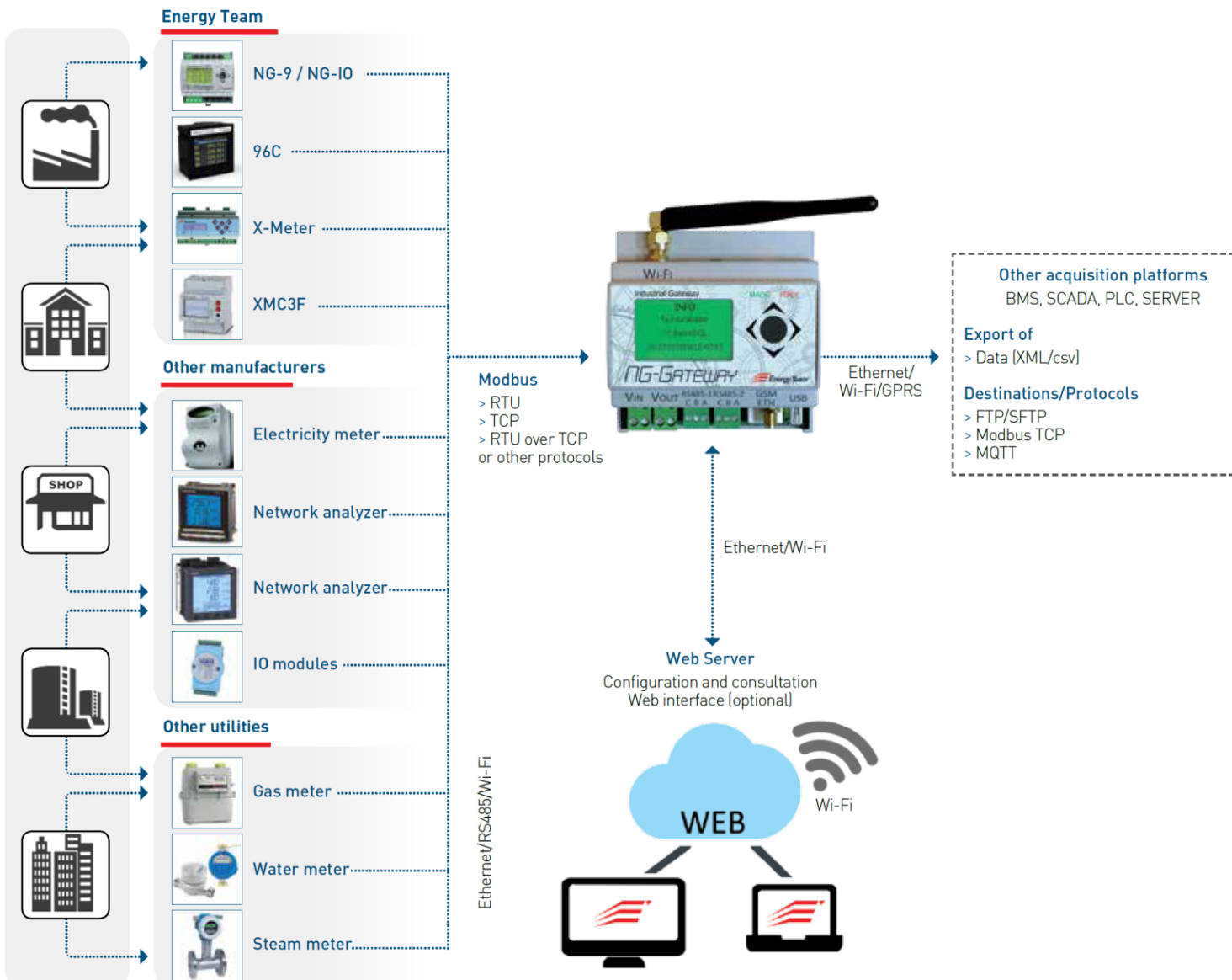
+

introducing both mono and three phase power submetering and analog/digital/temperature signals on the same device (up to 6 signal per device)

Three Multifunction Meters in only 1 device



NG Gateway - Harvesting and Publishing Energy Data



**Local WI-FI
access to web-
server for
configuration and
data-check, no
SW to install,**

**Collect local data,
export data**

**Access via
mobile, internet,
WI-FI**

**Secure
communication**



THANKS FOR YOUR ATTENTION

Energy Team SpA

Via della Repubblica, 9 - 20090 Trezzano Sul Naviglio Milano

Tel +39 02 48405033 / Fax +39 02 48405035 / E-mail info@energyteam.it

Ing. Michele Liziero michele.liziero@energyteam.it

<http://www.energyteam.it/download/et-world/>

