



Quality management for building performance

Energy Monitoring of Buildings

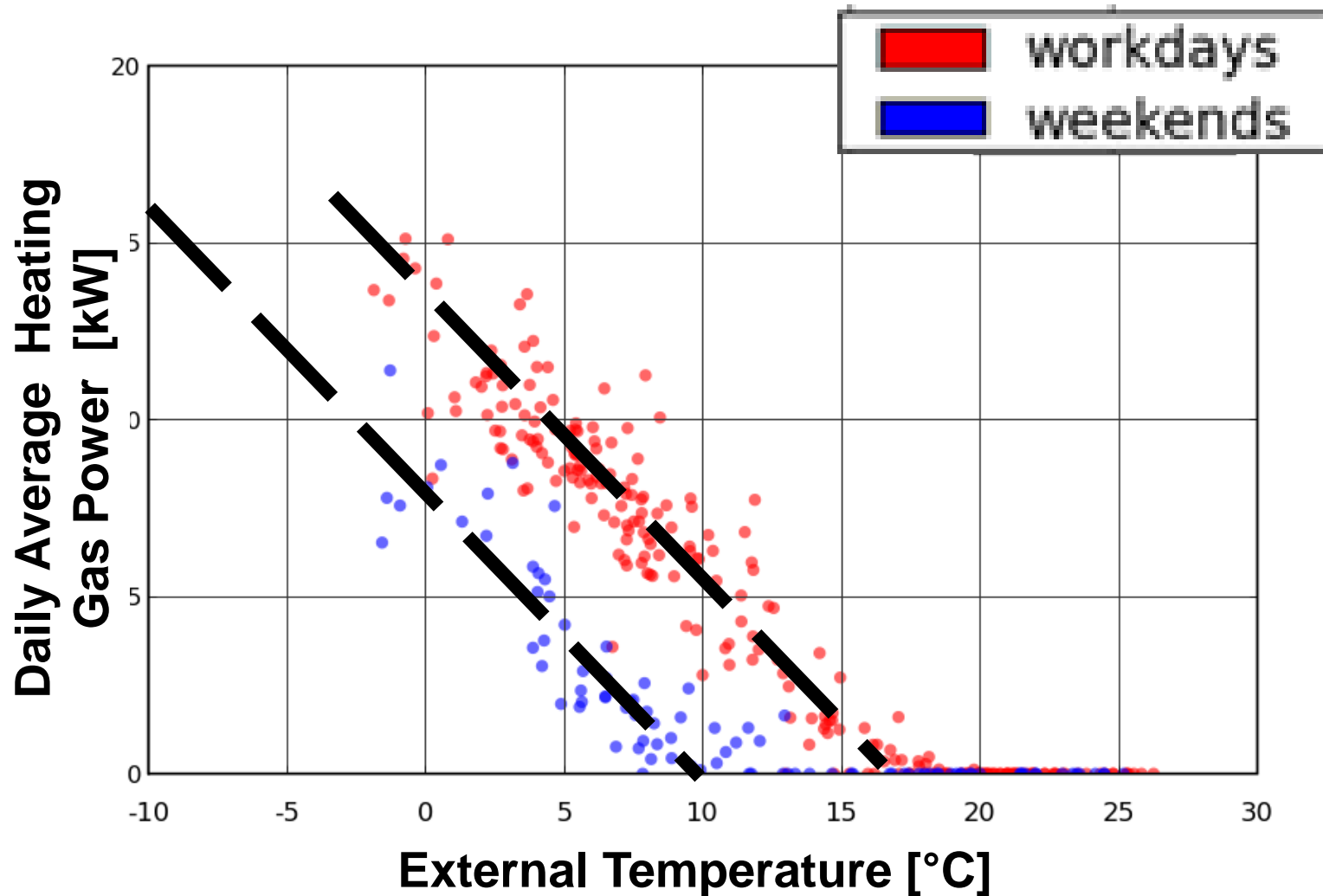
using energy data for obtain measurable energy efficiency

Michele Liziero - Energy Team SPA, Italy

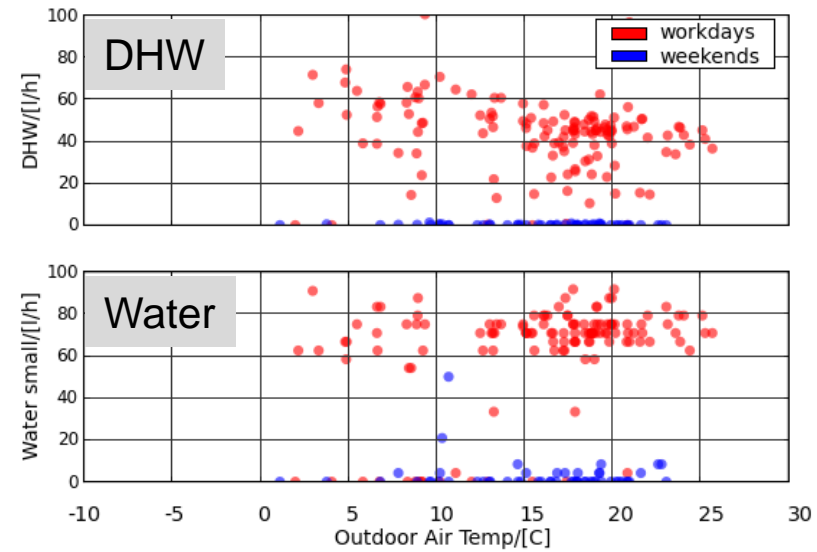
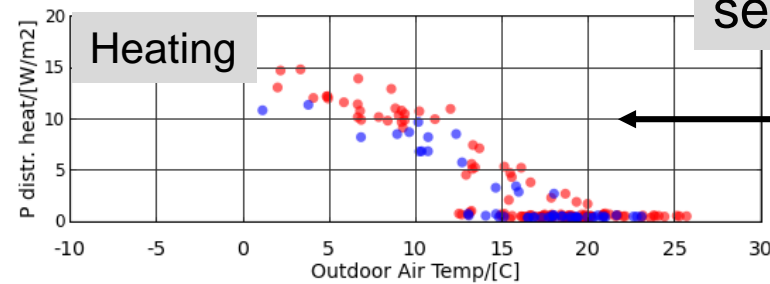
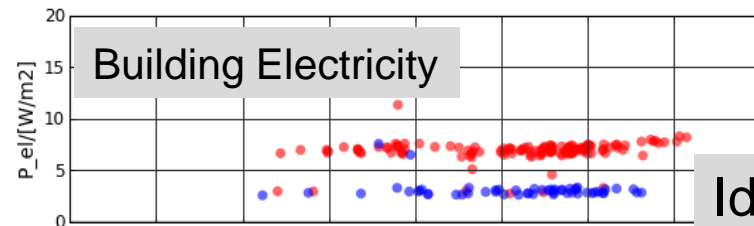
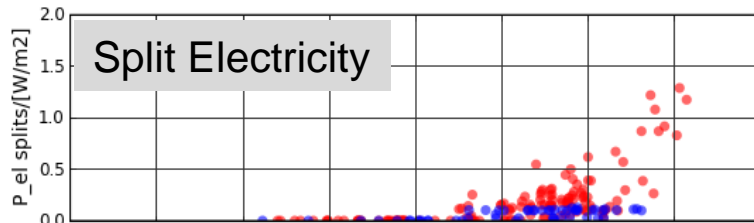
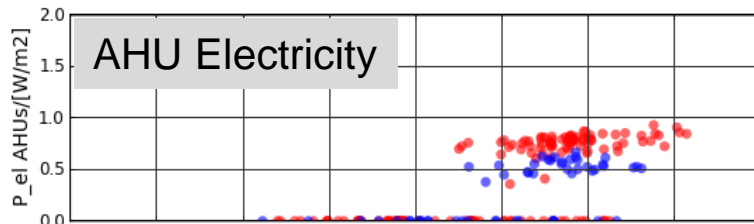
www.energyteam.it



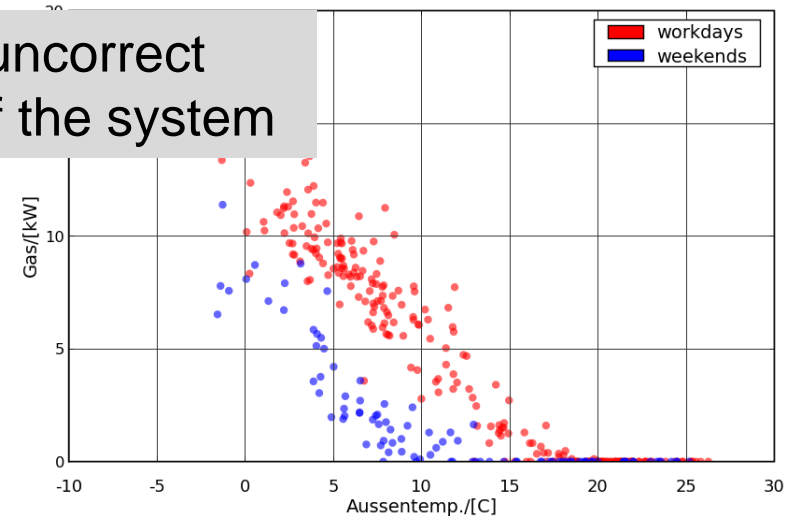
Identify your savings - Energy Signature (scatter plot)



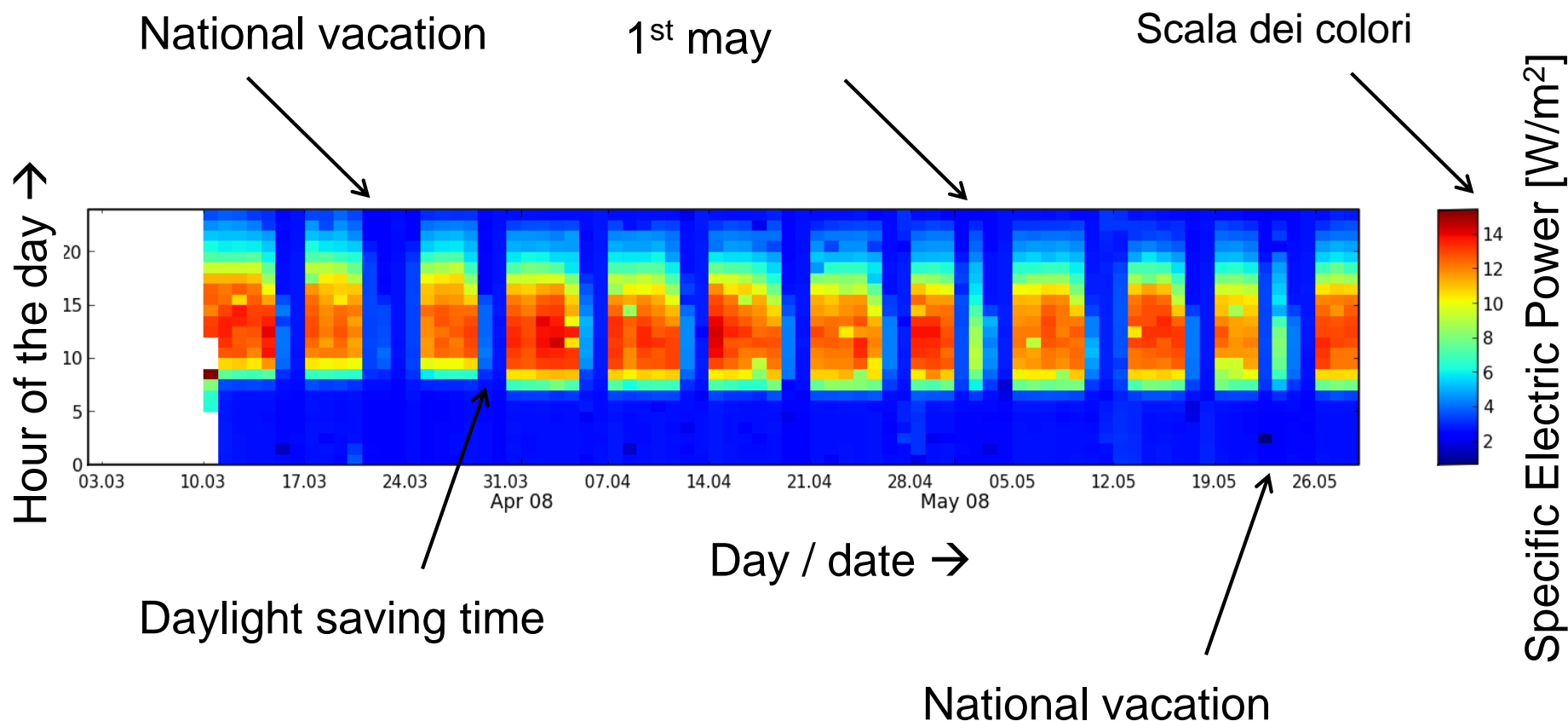
Identify your savings - Energy Signature (scatter plot)



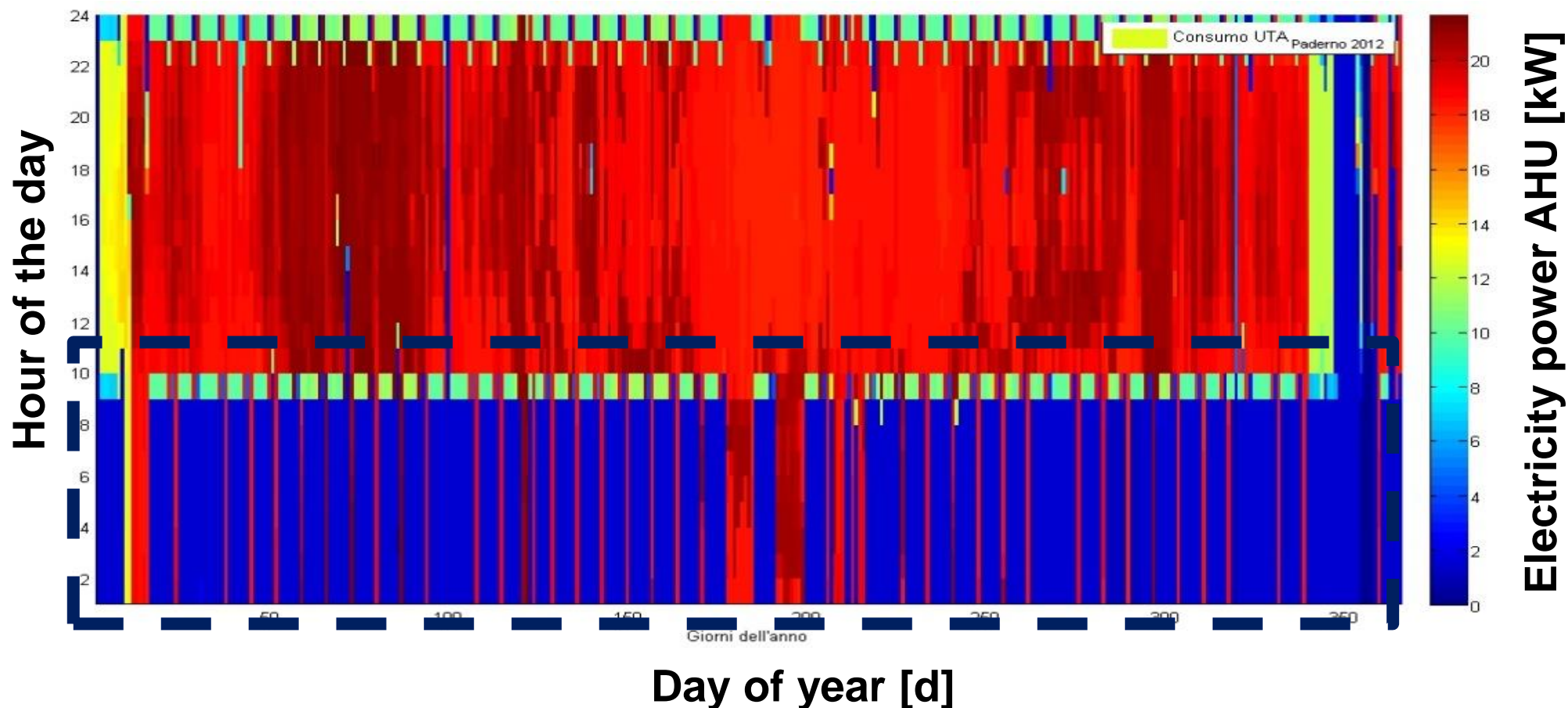
Identify incorrect set-up of the system



Identify your savings – Carpet Plot



Identify your savings – Carpet Plot

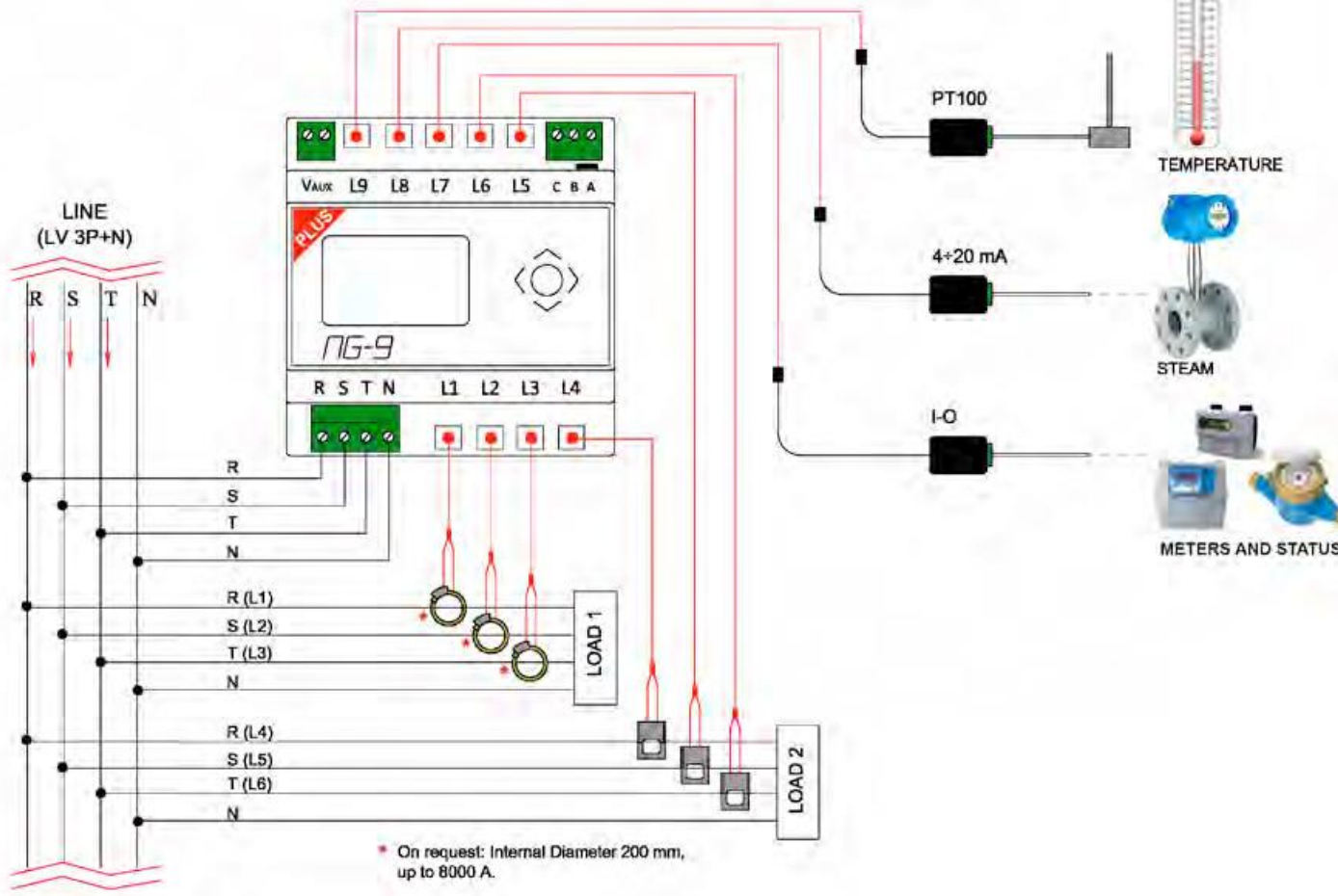


Monitoring AHU power: > 20 kW turned on in night time
23:00-7:00 for 60 days a year = >1200 € of saving at no cost



NG-9 tool

EXAMPLE OF CONNECTION: 2 THREE-PHASE SYSTEMS + PROBES



**Plug and play
probes, from 1 to
2000 Amps**

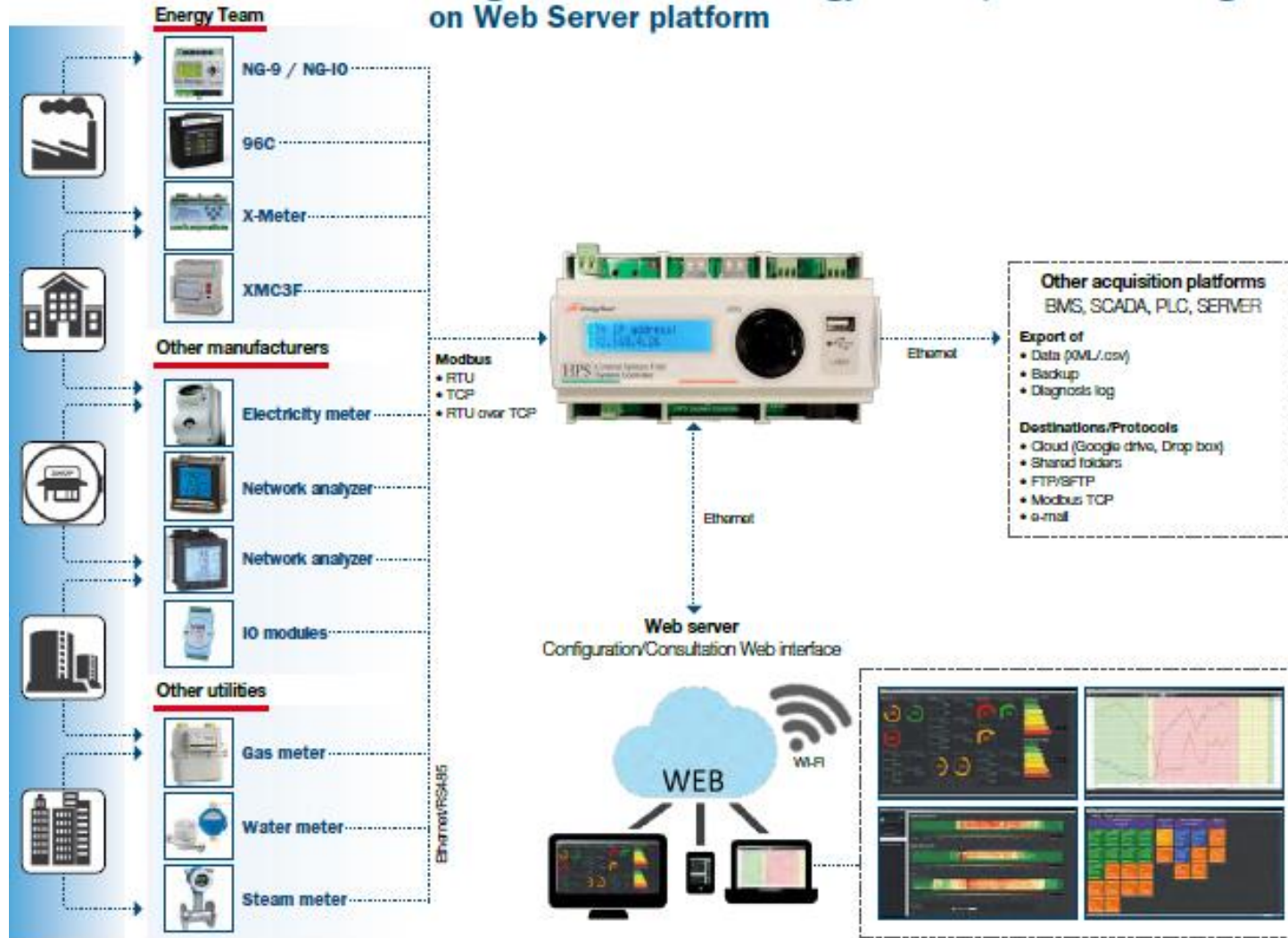
**Power analyser,
Mono-phase and
Three phase, other
probes**

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

**Very Low power
consumption**



Integrated solution for energy consumptions monitoring on Web Server platform



**WEB and LOCAL analysis:
DISTRIBUTED INTELLIGENCE,
no SW to install**

**Collect local data,
export data**

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

**Secure
communication**

