Arch4Energy.srls A↕E

QU@DRO – HARVEST energy data from web - SINTETIC DESCRIPTION:

QU@ADRO measures in real time and automatically the effects of energy saving interventions, as explicitly requested in any environmental project financed by Europe.

OPEN hardware, OPEN Software and OPEN Data service, for reading and sending energy data from the territory in real time to the Cloud, which does not require the purchase of dedicated hardware or software.

Generally provided for the agreed period 12/24 months, it makes available on the network through common internet browsers the energy data collected with a frequency that can be set in the order of minutes, regardless of the number and location of the monitored systems and regardless of the location of the recipients concerned.

QU@DRO of reading energy data uses:

• I.C.T. *(Information and Communications Technologies)*, in a process of modernization of systems;

• The I.o.T. *(internet of things),* **From a single dashboard** we can manage the different systems still distributed in the territory using standard Internet protocols;

• **Cloud and Big Data**, through which we can **know and model** territorial dynamics and experiment with new ways of **managing and planning** the territory.

The set of these technologies allows to be perfectly **compliant** with the dictates and requirements of the Law, 27/12/2017 n ° 205 published in OJ 29/12/2017 Budget Law 2018.

"**Arch4Energy** has created the "Energy Dashboard" to read all the data relating to energy consumption and production and the results of energy efficiency actions carried out on public or private buildings or on public lighting systems, the results of which today are difficult to find and consult.

We have created the necessary tool to make urban and territorial systems "smart" energetically. What does this mean?

A system can be defined as *"smart"* if it consists of:

Sensiting: Monitoring and reading data from the territory in real time

Computing: Processing of the data collected to support the decisions to be taken;

Actuating: Implementation of the consequent actions.

The QU@DRO system represents the knowledge and information tool for **SensitIng** and **Computing,** supporting those responsible for the Governance of D.S.S*. (Decision Support Systems)*

COSMA DAMIANO DE ANGELIS
REGISTRATO - ARCH4ENERGY.SRLS