



# CO<sub>20</sub>Plus - Public utilities Monitoring

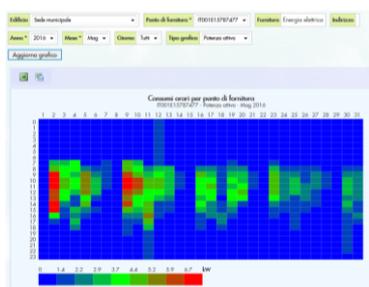
[www.co20.it](http://www.co20.it)



Buildings Registry



Real time Monitoring



Carpet plot



Benchmark

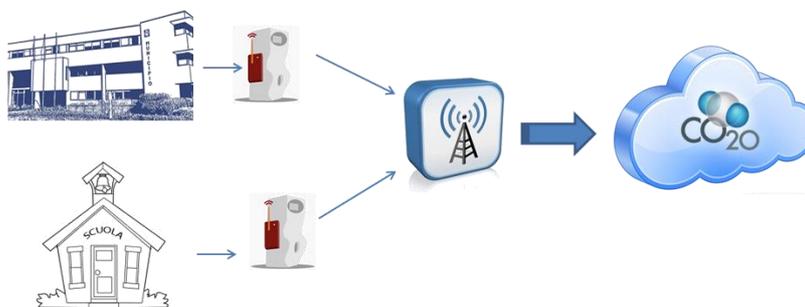
CO<sub>20</sub> has been designed and developed by TerrAria specifically to support the definition and preparation of the Sustainable Energy Action Plan (SEAP) in the path provided by the Covenant of Mayors.

CO<sub>20</sub> allows you to:

- build energy - emission municipal budgets (baseline BEI and monitoring MEI);
- ex-ante assess the effectiveness of local interventions to achieve the EU emission reduction targets: -20% (2020), -40% (2030);
- check and monitor over time the effectiveness of the intervention plan.

Faced with the constant demands of the municipalities to be more aware of the building energy consumptions, CO<sub>20</sub> has been expanded including the monitoring of such consumptions, supporting all the analysis required to identify energy waste: this extended version is called CO<sub>20</sub>Plus.

CO<sub>20</sub>Plus user will have two main tools to which are linked several features: the first is the **management and analysis of energy bills and contracts**, and the background information (building dimensions, thermal power ...). The second is the integrated monitoring solution provided by the installation of a sensor to monitor real time electric and/or thermal consumptions sent on the cloud through a data SIM where CO<sub>20</sub>Plus gets and integrates such data.



CO<sub>20</sub>Plus user can:

- create a buildings registry with their energy contracts, points of delivery, ...
- upload the data (energy and cost) contained in bills;
- activate an alerting system that signals anomalies in real time consumptions or exceeding of thresholds, including e-mail alerts;
- analyze the utilities consumptions through specific reports (Carpet plot, day time comparison ...);
- evaluate the energy efficiency of monitored buildings, comparing them with the other ones in CO<sub>20</sub> Plus (benchmark).