

# PITAGORA

**PITAGORA** allows remote operation of apparatus belonging to hydraulic plants, such as valves, pumps, sluice, and floodgates. In addition it allows an advanced interpretation on the received data, either if generated by independent variables or the result of actions undertaken.

**PITAGORA** gives support to the user in the topological representation of its own network, utilizing a graphic library containing a characterization of the elements to be controlled.

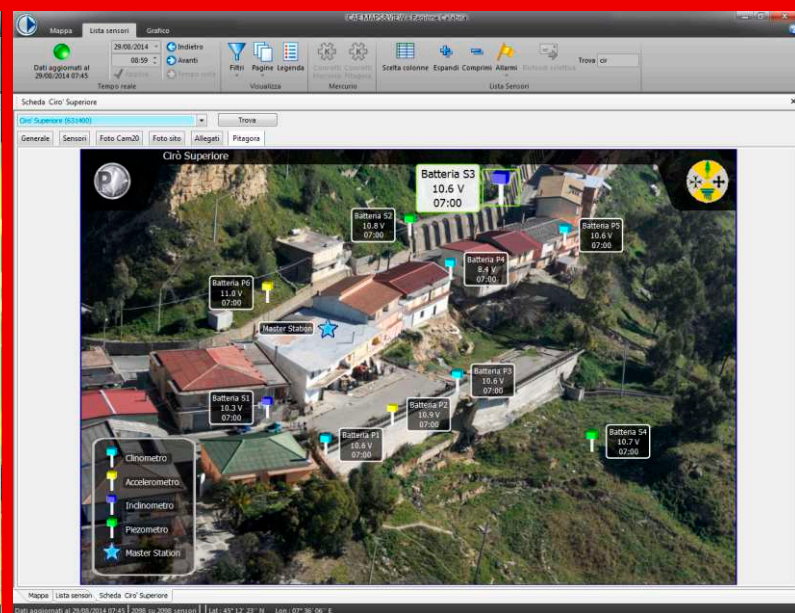
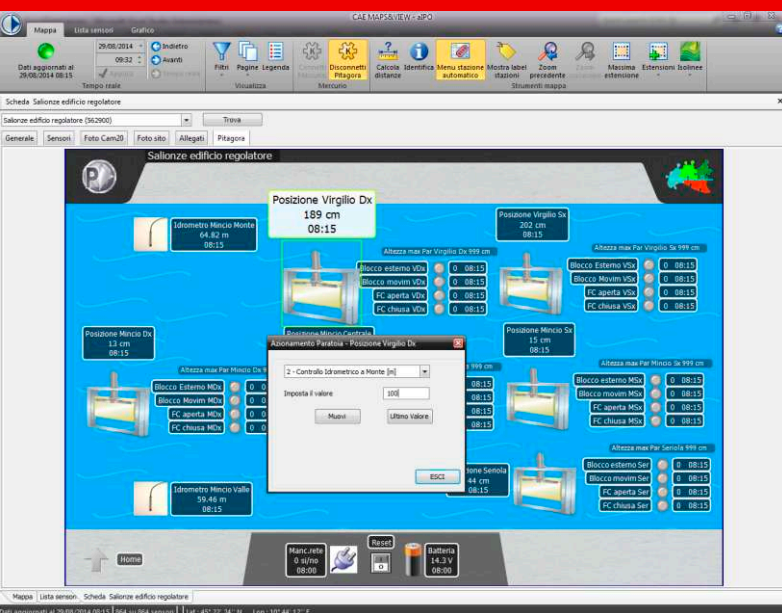
The graphic interface of **PITAGORA** is built by a graphic editor of interactive and modifiable graphic objects, representing all the elements forming the fluid network, such as tanks, supplying knots, tubes, pumps, valves etc.

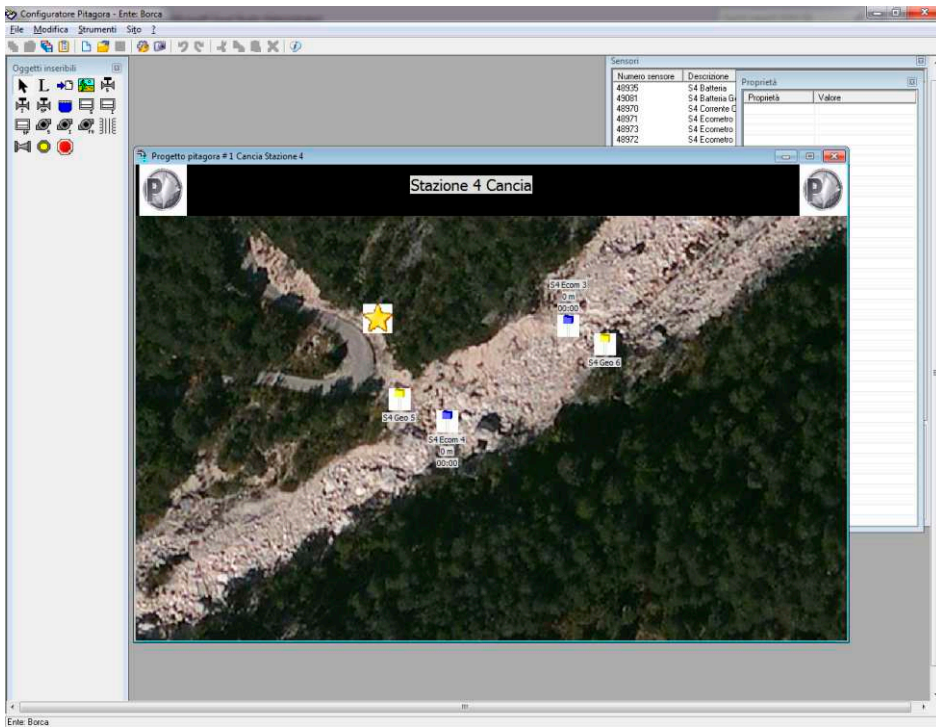
## APPLICATION AND FUNCTIONS

**PITAGORA** is the system for the remote control water management plants. It is therefore addressed to the administrators of water distribution network, such as rural aqueducts, irrigation and drainage systems, as well as to the administrators of regulating the basin's hydraulics installation.

**PITAGORA** is structured as a client/server ambient intelligence architecture; the peripheral stations (RTU) can be connected to the system by public and/or private networks, for example radio, GSM or satellite.

**PITAGORA SERVER** is based on two modules: the first is a graphic interface containing the synoptic information of the installation to control. The second module is able to perform the remote controlled algorithms and special functions, such as the activation of an installation on the basis data sourced by one or more of the peripheral stations on the network.





The SERVER application of the software is installed on the same server of MERCURIO.

In facts, MERCURIO is essential for **PITAGORA SERVER** to communicate with the peripheral field stations by the existing network carriers.

**PITAGORA CLIENT** installed on various local or remote stations connected to the server. It assists the operator on the various verification and control phases, managing from remote the all main elements of the network by a graphic user-friendly interface, that operates as a browser getting from the server the configuration of the installations and sending back the commands for their operation.

