

Energy Monitoring Historic Centre of Turin



eurix
SOFTWARE INNOVATORS

6NIX

Background

Calculating heat consumption is crucial for managing corporate and public buildings. Heat energy is often monitored using meters, which can be challenging, require maintenance, and most of all are invasive in terms of installation on pipes in existing systems.

The solution

The *WineCap*™ solution used by Eurix in a historic building in Turin consists of temperature data loggers with two inputs for external thermistors. Every 10 minutes the sensors installed wirelessly monitor the change in temperature of the heat-transfer fluid that supplies each user. The data captured from the sensors are then sent to the Capetti Elettronica gateways.

The result

Eurix designed and developed an alternative system for calculating heat consumption, achieving an efficient, cost-effective solution. The use of *WineCap*™ temperature sensors, along with machine learning algorithms developed by Eurix, enables the calculation of heat distributed to each individual user in the building. This solution makes it possible to monitor and efficiently manage the most energy-intensive users.

eurix
SOFTWARE INNOVATORS

Capetti
ELETTRONICA
DAL 1973



WSD02-TT10K

NTC10K

The winning choice

- ✓ WSD02-TT10K (temperature data logger on two channels with external thermistors)
- ✓ NTC10K (external temperature transducer)