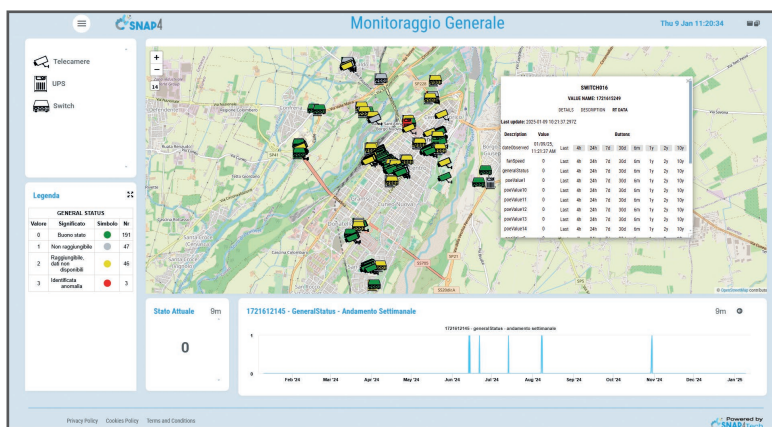**SOLUTION**

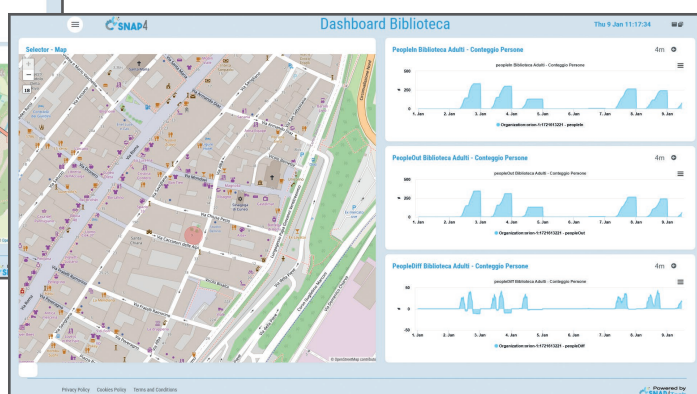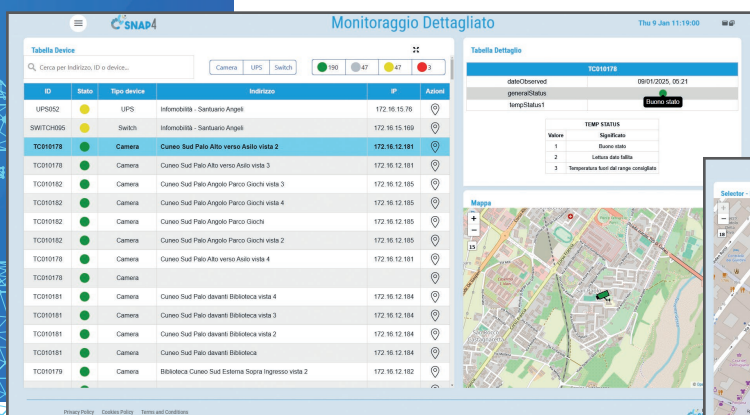# Security, Smart City Asset Management for Cuneo, Italy

Over the years, municipalities and public administrations have implemented various digital services and ICT infrastructures, for example, related to urban network infrastructures, video surveillance cameras, traffic sensors, ZTL (limited traffic zones) gates, IoT services, etc. Effective management of urban assets is critical for the development and sustainability of modern smart cities. Snap4City's advanced Asset Management solutions provide a powerful, scalable, and flexible platform to ensure the efficient operation, monitoring, and maintenance of city resources.

To improve the management of such services and infrastructures, there is a need to monitor the status through a centralized solution, allowing also citizens to consult public utility information gathered from these systems. To meet these requirements, it is necessary to integrate existing computer systems and those to be implemented in the future with a platform that allows the collection of data from different channels and display on dashboards for quick consultation, also allowing the publication of some data of public interest.

To this end, the Municipality of Cuneo is exploiting the Snap4City platform provided by SNAP4 to aggregate various data channels of the ICT infrastructure to produce and deliver control panels (dashboards) for use by public operators and decision-makers, which can allow data to be in a single point of aggregation, vision, monitoring, reasoning, and action/decision.

The system is integrated with the video surveillance infrastructure of the Municipality of Cuneo and supports the management of more than 400 different devices through the verification of their operational status and the historization of alarms. The integration also includes support for the management of 215 cameras, 40 network switches, 30 UPS, and the integration of data from about 50 vehicle counting gates.

Furthermore, SNAP4 provided two AXIS thermal cameras (model Q1952-E) that have been installed by the Municipality of Cuneo for monitoring people flows in areas of particular interest. Additionally, data from different AXIS cameras already installed by the Municipality of Cuneo for counting people and bicycles in different areas of interest and for monitoring people entering and exiting from public libraries have been integrated in the SNAP4 solution.

The solution with thermal cameras has been developed with the support of DAI S.R.L. (https://www.d-ai.eu/), a startup born within the University of Florence specializing in AI and video analysis (for more details, see: https://www.snap4city.org/805).

Thanks to the flexibility of the solution implemented with technology powered by Snap4Tech, the service is constantly evolving, with new data and devices continuously being added without interruptions or issues in service delivery. The solution is designed to seamlessly integrate with existing city infrastructures and scale with growing urban demands. Its modular architecture supports diverse use cases, and ensures data compliance with the latest regulations, including GDPR.

SOLUTION

Extended version accessible from: https://www.snap4city.org/975
Contact: https://www.snap4city.org
Partners: SNAP4 SRL, Data Analytics Insights SRL, Municipality of Cuneo