

## CASE STUDY

# PECCIOLI MUNICIPAL AUTHORITY: A TOWN LOOKS FAR AHEAD

The municipal authority in Peccioli is pressing ahead with new, innovative and sustainable development projects. Datwyler's future-proof system solutions match their needs.



Peccioli, on a hill overlooking the Valdera in Tuscany, is a small community of five thousand inhabitants. The town has become famous as a venue for national and international events which draw thousands of visitors all year round. At every turn tourists strolling through the ancient streets come across exhibits and installations by modern artists which enrich the community's historic and architectural heritage. This overlapping of history and contemporary art is a deliberate promotional strategy on the part of the authority.

"Without a long-term vision we risk being left behind," explained Renzo Macelloni, the Mayor of Peccioli. "We want to enable our community to prepare itself as well as possible for the challenges which the future holds for us, and to achieve our social, economic and cultural goals by keeping pace with the rapid evolution of technology."

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Peccioli is also famous for another project: the finest (!) and most advanced waste treatment and disposal plant in Italy. Under the leadership of its resourceful mayor the local authority has transformed the area into an attractive destination for first-class cultural events. In addition to which the plant generates a profit of several million euros every year. The bulk of this is invested in local projects such as museums, educational and multi-purpose facilities, the nursery school, music academy, solar park and cycle tracks.

### No resting on their laurels in Peccioli

When Datwyler's Solution Partner iTEK started working with the Peccioli municipal authority in 2018, the system integrator was faced with the task of developing an IT infrastructure which facilitated the erection and dismantling of contemporary sets for international events. "The cabling infrastructure is the physical basis on which the reliable operation of the systems depends," explained





Maurizio Fontanelli, the owner of iTEK. “We lend assistance to the local authority in the planning phase and support Domus, the local firm, during installation.”

“We don’t rest on our laurels in Peccioli,” says Yuri Bagnoli of Domus, which has been looking after the municipal authority’s technical projects for a long time. “The administration puts a great deal of effort into the well-being of the residents and into new technologies which promote it. Almost every day an idea for a new project lands on the desk, or everything has to be set up for a forthcoming event. So a reliable technological infrastructure is vital, and it is also absolutely essential that all the companies involved are extremely flexible and quick to react.”

### Modern communications infrastructure

The first challenge for iTEK was to plan the physical infrastructure for a multimedia library with a conference room equipped with video projection. iTEK suggested a shielded Category 6A/Class E<sub>A</sub> cabling system from Datwyler, which provides reliable audio and video signal transmission at 10 gigabits per second (Gbit/s) and has plenty of spare capacity.

The system installed turned out to perform so well that the local authority entrusted iTEK with further projects, including the renovation of an old cinema which today is

used for conferences and events, and in which iTEK installed the same cabling solution.

The system integrator has also linked key points of the municipality, including the waste disposal site, to a high-speed fibre optic network. “We have replaced the old multimode links with Datwyler’s 24-fibre, armoured single-mode cable so that all the offices can exchange their data at a speed of 10 gigabits per second,” explained Fontanelli. The cabling systems installed for the authority are covered by Datwyler’s 25-year system warranty.

The fibre optic backbone belongs to the municipality. It incorporates all the communication services including telephone traffic. On this basis the municipal authority plans in the coming years to equip all public spaces with the same high-performance copper cabling already installed in the multimedia library and the former cinema.

### The value of foresight

“Datwyler is the only supplier we know who is highly focused on the future and the requirements it entails,” continued Maurizio Fontanelli. “Unfortunately in Italy solutions are still being implemented which are inadequate for the performance challenges yet to come. At iTEK we design systems which don’t need to be touched again for at least twenty years. Fortunately we did not have to explain this concept to the Peccioli authority, as it has the necessary foresight and always invests for the long term.”

“This is an extraordinary story, especially for Italy,” commented Luca Dalla Grana, Managing Director of Datwyler Cabling Solutions in Italy. “The projects implemented in Peccioli are based on the collaboration of a group of enlightened stakeholders with a common passion for quality and a farsighted approach with regard to the benefits of a modern cabling infrastructure.”

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