

CASE STUDY

SALUMIFICI GRANTERRE S.P.A., MODENA:

IMPORTANT CONTRIBUTION TO GROWTH AND EFFICIENCY

With a solution from Datwyler, GTI is supporting the Italian Granterre Group in modernising its ICT infrastructure.

Prosciutto di Parma, Salame Cacciatore, Speck Alto Adige, Parmigiano Reggiano: these Italian specialties are among the most valued cured meats and aged cheeses in the world. What hardly anyone knows is that they come mostly from the Granterre Group, one of the largest manufacturers of original Italian sausage, ham and cheese specialties with headquarters in Modena. The group is strongly focused on innovation and expansion into foreign markets. And it's being successful: in 2023 it recorded sales of more than 1.5 billion Euros.

A few years ago, Granterre decided to modernise and expand its existing network infrastructure to accommodate continued growth and improve operational efficiency. The Group needed a very powerful solution that would meet its specific reliability, security and scalability requirements.

A suitable service provider was quickly found: the company chosen was GTI S.r.l., a certified Datwyler partner which has decades of experience in the area of cabling, data cen-



tre, network and security solutions. GTI is also known for developing solutions that optimise customers' production and organisational processes, using technologies that improve their competitiveness.

High demands

The contract awarded to GTI: to equip the respective production and administration sites at the Granterre locations in Montecavolo (Reggio Emilia) and Zola Predosa (Bologna) with high-speed cabling that supports the rapid exchange of data, voice and moving images – and that's so fast that the manufacturing processes in both plants can be monitored and controlled in real time via the manufacturing execution system (MES).

Another requirement for the network was maximum reliability. Business operation interruptions should be kept to a minimum. For example, it had to be possible at all times to not only manage the production machines remotely, but also to maintain them. And the new ICT infrastructure also had to be scalable and comply with the company's data protection regulations.





The Granterre site in Montecavolo is a multistorey building with a production area of 8,000 square metres. The aim here was to connect 60 workstations from various production departments via a copper and fibre optic network. In Zola Predosa there was as much as 20,000 square metres of space and 100 workstations.

The project began in July 2022 with network design, followed by installation from June 2023. Final testing and commissioning took place as planned in September 2024.

Solution from Datwyler

All workstations are now connected with high-performance copper data cables from Datwyler. Single-mode fibre optic cables form the backbone of the communication network. They connect the 16 network racks in the production areas with the respective server rooms. In these racks, 40 high-performance copper and fibre-optic

switches help ensure that business-critical data is transmitted over redundant lines at speeds of up to 10 gigabits per second.

There are also new mini data centres for the server rooms – a “specialty” from Datwyler. Each of these Smart Modular Data Centres (SMDC) consists of two racks and a narrow row cooler in the middle. They are equipped with a special fire extinguishing system that is integrated into Datwyler’s Data Centre Infrastructure Management (DCIM) system. The DCIM also includes sensors to monitor and give alarms in case of possible leaks, smoke, overvoltage, excessive humidity or unauthorised opening of the doors.

All services integrated

Not only IP telephony, but also Wi-Fi and CCTV systems are integrated into the network. Around 90 access points ensure reliable and fast wireless connections in all areas of the building. 24 surveillance cameras support the security measures at the respective production site.

Those responsible at Granterre are very satisfied with the new infrastructure. The solution being implemented not only meets all of the Group’s requirements in terms of security, reliability and scalability, but also improves internal communication and is making a key contribution to optimising production processes. This ultimately makes the company more competitive, efficient and productive.

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