

## CASE STUDY

# MUBEA FABBRICA MOLLE SA, BEDANO: A MICRO DATA CENTRE FOR MUBEA

The automotive supplier in the Ticino chooses an IT infrastructure solution from Datwyler when upgrading its IT infrastructure.



The Mubea Group specialises in the lightweight design of automotive components, and employs a workforce of over 14,000 on 48 sites in 20 countries. In Switzerland the group is represented by three firms: Mubea Fabbrica Molle SA in Bedano in the canton of Ticino, OBR Steel Tubes AG in Oberriet, St. Gallen, and Mubea Präzisionsstahlrohr AG in Arbon in the canton of Thurgau.

In September 2020 the IT department in Arbon contacted Datwyler IT Infra because it was interested in a Micro Data Centre (MDC). Steady growth at the Mubea Ticino site made it essential to review and renew the IT infrastructure there, in particular the cooling and failure safety of the active IT components. They also wanted to make the passive cabling at the Bedano site clearer.

### Application-specific solution

By February 2021, in cooperation with the IT department, the Datwyler specialists had worked out the optimum solution for a Micro Data Centre which could

meet all the requirements of Mubea Fabbrica Molle SA. The advantage of this prefabricated solution was that it saved Mubea a lot of time, as it did not have to be assembled and equipped on site.

As agreed, the MDC was on the Mubea Fabbrica Molle site at the beginning of September – fully assembled, including USP, cooling, monitoring and smoke alarms as well as an earliest detection and fire extinguishing system. Together with an optically matched network rack which the IT department had also ordered from Datwyler, the logistics partner delivered the Micro Data Centre straight to the first upper floor of the building using a lifting platform.

### Convincing benefits

Using the Micro Data Centre means that today the active and passive components are clearly separated from one another – and the servers are optimally cooled. The monitoring system in the MDC monitors the active components and supplies the IT department in Arbon with real-time data on temperature and atmospheric humidity. In the event of fire the integrated smoke alarm sounds the alarm and the earliest fire detection system releases the integrated extinguishant. The components unaffected by the fire remain undamaged due to the use of Novec gas.

Last but not least, the complete cabling system was upgraded, making the work of the relevant staff much easier. In view of the many advantages which this solution gives Mubea, it is no wonder that the IT department in Arbon is very happy.