



The Company

Tegometall Group manufactures high-quality shelving systems and shop fittings for the retail industry. The successful family-owned company with its head office in Switzerland operates internationally and has locations in Switzerland, Germany, France, England, Slovenia and Poland. From custom production of individual items to large orders, all customer requests can be fulfilled at the company's plants. Tegometall serves its customers from development to final in-store pick-up.

www.tegometall.com

Summary:

Place of use: Switzerland, Lengwil

With the Vertiv SmartMod solution, Tegometall brings the data center directly to the factory floor: Business continuity for the entire business

Solutions offered by Vertiv:

- Vertiv™ SmartMod™ Prefabricated Modular Data Center
- 4 Knurr® DCM racks
- 2 Liebert® CRV in-row coolers
- 2 Liebert® EXS UPS systems
- Diesel generator (60-hour runtime)
- Fire extinguishing system
- Vibration springs for use in the production environment
- Service and support by Vertiv

Requirements:

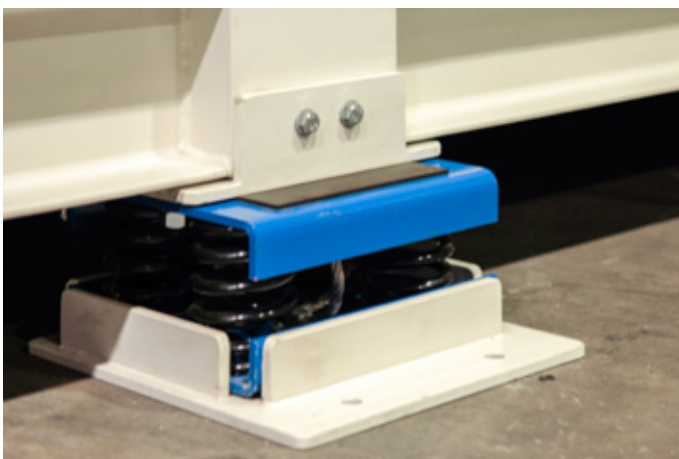
- Setting up a second redundant data center directly on the production floor with limited space for additional reliability
- Shocks and vibrations from the production area must not affect IT equipment
- A location that is difficult to reach and little space for delivery at the entrance
- High data center and IT service availability for all of Tegometall's locations in Europe
- A service level agreement with short response times for on-site availability and reliability

Results:

- Increased availability of data center capacity – business continuity
- Seamless project execution during the planning, production and assembly of the data center
- Short implementation time within only a few months of order time
- Single source on-site service and maintenance
- The suitable damping of the modular solution keeps shocks and vibrations from affecting the equipment in the data center.

The challenge – to provide redundant data center capabilities to secure business continuity directly from the production area

Any data center failure and its consequences are potentially a major disaster for almost any company. Even if only individual services stop working that are operated in a company's own data center, such as email servers, databases, or addressing printers on the network, failures can cause huge delays to both the production and communication with customers. Tegometall wanted to further minimize that risk and decided to implement its own redundant data center infrastructure. For Bernhard Fuchs, ICT Manager at Tegometall, it was already clear that the new main data center should be an Edge data center located directly in the production area of the company's head office in Lengwil. This meant that the IT was to move directly on site to the company's head office, which came with a very special challenge. In addition to the usual requirements, the new infrastructure also had to absorb vibrations from the production area in such a way that it would not impact the IT equipment. Therefore, adequate shock and vibration damping was an additional requirement when selecting the most suitable solution. The on-site services and support offered by their future partner were an authoritative requirement for Tegometall, in addition to the technical requirements. Because when support is necessary, every minute counts.



The solution – Vertiv™ SmartMod™ with integrated shock absorption

Bernhard Fuchs and his team looked at three providers in total. Vertiv's solution proved to be ideal for Tegometall's objectives. "Vertiv's SmartMod data center solution gives

us the redundancy and additional data security and availability we need.



But also Vertiv's vibration damping solution and the services it offers are ideally suited to our needs. In other words, a complete carefree package for us," says Bernhard Fuchs, commenting on the decision. A special feature of the Vertiv solution is the vibration damping of the entire data center. The shock absorbers Vertiv uses to protect the SmartMod modular data center infrastructure against vibrations completely prevents the production area from having any impact on IT. The decision makers are thrilled by another feature of the Vertiv solution: The partial acceptance testing of the SmartMod data center at the Vertiv plant prior to project completion. After the first contact was made in January 2018, and the order was placed in November 2018, that milestone was already reached in February 2019. "Vertiv invited us to their plant in Zagreb at the time. That was great, and it gave us lots of insights into our future data center," Bernhard Fuchs recalls. "There we were able to examine our SmartMod solution directly and to undertake our first acceptance tests. This gave us an idea of what it would be like for us to work in the new data center. If we had noticed any inconsistencies or necessary changes at that stage, we could have discussed them there and then, before the system was set up on our factory floor. But that was not necessary. I have actually never signed so many acceptance documents in my life, but as I have my roots in production, I really appreciate the attention that Vertiv pays to detail."

The result – reliable IT from head office with fast support in the event of an emergency



Tegometall's new data center for the entire group was already put into operation in April 2019. Which means only half a year has passed from order placement until the system was operational. The company's need for a rapid implementation has thus been completely fulfilled. Since then, the modular SmartMod solution at the plant has been the main data center for the entire Tegometall Group. The desired data redundancy is ensured by the old data center, which functions as a backup. There is one thing that Bernhard Fuchs's team is absolutely sure of: The new Vertiv data center gives them peace of mind, and they do not have to fear that their IT or any application fails or that they will have to deal with the consequences. And if one day you do need a spare part or a service, everything is very well set up here. "If there is a problem, Vertiv employees will be there with the necessary parts at short notice," says Bernhard Fuchs. "Because Vertiv has a location in Switzerland. That was very important to us. If service staff and components first have to travel to Switzerland from another country, that would simply take too long for us. Ultimately, that was another important reason for us to decide on Vertiv."

As the new data center is integrated into the production area, Bernhard Fuchs and his team are very close to Tegometall's day-to-day business. The data center is also easily accessible for the various business units at the company head office. The IT department is thus a partner in day-to-day business that is omnipresent and can provide the necessary IT infrastructure for all departments quickly and smoothly, ensuring business continuity from an IT perspective within the company at all times. With its new data center and the IT infrastructure services offered by Vertiv, Tegometall Group is also perfectly set up for the future.



Quote: "Finding a real partner was important to us - and with Vertiv, we have found that partner. In addition to the technical requirements and the vibration damping of the SmartMod solution that was so important for the project, Vertiv's great service and support and extremely short lead times also convinced me."

Bernhard Fuchs, ICT Manager at Tegometall