

CASE STUDY

AUTOPARK GMBH, INNSBRUCK: PERFECT SOLUTION IN A VERY SMALL SPACE

A Datwyler Micro Data Centre meant that Autopark in Innsbruck acquired a second data centre location with which it could significantly increase failsafe performance and availability.

With five sites in Tyrol, Autopark is one of the largest car dealerships in Austria. In the autumn of 2020, the company invested in a new construction project on the Innsbruck site, the so-called "Volvo Cube". After a construction period of approximately one year the striking building opened in October 2021. It includes a showroom equipped to a high standard and with direct access to the workshop area on the ground floor, two ultramodern classrooms on the first floor plus an underground tyre warehouse and underground car park. A distribution centre for used vehicles is also integrated in the new building.

With the expansion of the business the decision was taken to set up a new redundantly connected data centre site beside the existing data centre, which has 30 server racks. After extensive preliminary planning by STW Spleisstechnik West GmbH, in October 2022 Datwyler was awarded the contract to configure a Micro Data Centre (MDC) meeting the car dealer's individual require-



ments. The decision in favour of the MDC was based on a visit to the premises of the local solution partner by Martin Zangerl, the IT administrator at Autopark GmbH. One of Datwyler's Micro Data Centres (MDC) is in operation there, so Zangerl was able to convince himself of its advantages on the spot.

Compact, prefabricated solution

The compact data centre solution was to be housed in a plant room in the basement of the new building. This room is used to supply power to the car charging stations on the above-ground car parks, and serves as the fire alarm control centre, but was not designed to meet the requirements of a computer centre. Among other things it lacked air conditioning for server ventilation, appropriate access control and many other components needed to operate a data centre.

With the MDC 300 Datwyler delivered a stand-alone, fully enclosed solution which eliminated the need for exten-





sive upgrades to the existing room. With the Micro Data Centre Autopark acquired a customised, pre-assembled end-to-end system which already integrated all the necessary elements such as cooling (3.6 kW), energy supply, monitoring and security – including UPS, fire extinguishing system and access control. Moreover, each MDC can virtually be installed as “plug-and-play”. The MDC 300 was also able to start operating on site within a very short time.

High availability and failsafe performance ...

Today the new MDC serves as a second server location which is redundantly connected to the firm’s central data centre. This has enabled Autopark to significantly increase the availability of its data and applications as well as the failsafe performance.

At the same time, the Micro Data Centre is redundantly connected to the structured cabling in the new building. 24-fibre optic cables lead to the sub-distributors on the individual floors, from where around 120 workstations are supplied via copper data cables. Today all the car dealership’s relevant communication systems, including WLAN, telephony and surveillance, are integrated in the data network – and “neatly” housed in one secure place.

... without structural changes

The system, which has been in operation for months now, has proved extremely effective. “For me this MDC is the perfect answer to creating a complete server room environment in an extremely small space,” summarised Martin Zangerl. “And it can be implemented retroactively without having to carry out any major structural changes.”

Solid foundation

The success of this project, moreover, means that STW Spleisstechnik and Datwyler have set a solid foundation for further collaboration with Autopark GmbH, as there are plans for upgrades also aiming to increase data security. A second Micro Data Centre is initially planned for Innsbruck, but there are still other branches scheduled to receive their own server locations.

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