



Optimise your warehouse logistics with Edge micro data centres

SCHÄFER IT-Systems offers decentralised IT infrastructure solutions for various application areas in the field of edge computing. The individually configurable micro data centres ensure a highly available IT infrastructure at the point of data creation. Edge computing is an efficient and sustainable solution for warehouse logistics. We offer you the best data centre infrastructure solution for challenges such as efficient supply chains, increasing goods turnover or the increased networking of merchandise management systems.



www.schaefer-it-systems.com

The advantages for you

- Redundant systems ensure increased process reliability
- Closed cell solution enables use in warehouses
- Simple installation on site
- Physical availability minimises dependencies on external service providers
- Customised scalability ensures short-term capacity adjustments
- Resource-saving, sustainable water cooling

Efficient, customised IT infrastructure in warehouses

EMW Stahl Service GmbH was founded in 1952 and currently handles more than 4000 tonnes of steel every day at three locations. As a plant-independent steel service centre, the company supplies coils, slit strip, blanks and circular blanks for various sectors of the processing industry.

The monitoring and control of complex logistics processes at different locations makes it necessary to optimise warehouse logistics. The decentralised edge computing solutions from SCHÄFER IT-Systems ensure precise inventory management and real-time monitoring by reducing latency times. With its portfolio of solutions, SCHÄFER IT-Systems provides the basis for ongoing transport optimisation and continuous warehouse management – without the need for on-site staff.

The on-site installation during ongoing operation, in conjunction with the optimisation potential identified, led to the decision in favour of the Edge micro data centre from SCHÄFER IT-Systems.



The solution

Rack	Cooling	Power	Monitoring	Security	Service
<ul style="list-style-type: none"> IS-1 server cabinet 800 x 1200 x 2000 mm Protection class IP54 for robust environments Additional network distributor for effective cabling Vertical cable manager for efficient cable routing Impact protection pallet suitable for transport 	<ul style="list-style-type: none"> Slot-in cooler with 10 kW output per system iQdata water chiller with vibration dampers Comprehensive plant engineering for efficient cooling 	<ul style="list-style-type: none"> Customised 1.5 kVA UPS incl. expansion unit Redundant iFlex input-metered PDUs 	<ul style="list-style-type: none"> Rack monitoring 842+ with 12 potential-free digital inputs, temperature, humidity, door contact, leakage and vibration sensor for comprehensive system monitoring 	<ul style="list-style-type: none"> Rack-Sens fire extinguishing system with NOVEC 1230 Detector for early fire detection incl. network module Impact protection pallet for system protection against external influences 	<ul style="list-style-type: none"> Delivery and insertion Installation and connections Commissioning Maintenance and warranty Spare parts management