marzek
etiketten + packaging

" Fujitsu's PRIMEFLEX for Microsoft Storage Spaces Direct architecture offers precisely the stability, performance and reliability that we need for our critical business processes. "

Paul Piribauer
IT Manager
Marzek Etiketten+Packaging GmbH

At Marzek Etiketten+Packaging GmbH, Fujitsu designed and implemented a flexible high-performance PRIMEFLEX for Microsoft Storage Spaces Direct architecture on the basis of Windows Server 2016.

At a glance

Country: Austria
Industry: Labels and packaging
Founded: 1879
Website: www.marzek.at/en

Challenge

Marzek Etiketten+Packaging GmbH wanted to replace its existing IT architecture due to international expansion. The new infrastructure was supposed to grow in line with the increasing requirements and offer sufficient capacities for flexible extensions.

Solution

Fujitsu designed and implemented a PRIMEFLEX for Microsoft Storage Spaces Direct architecture according to the customer's individual requirements working closely with Marzek Etiketten+Packaging GmbH and SELECT partner ABAX Informationstechnik GmbH. Powerful PRIMERGY Enterprise servers form the technical backbone of the hyper-converged infrastructure.

Benefit

- High stability, performance and reliability for critical business processes
- Maximum reliability of systems and data thanks to the cluster architecture
- Database access accelerated by a factor of three
- 30 percent savings in total IT operating costs
- Simple system expansion with high flexibility and scalability

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Customer

For decades, Marzek Etiketten+Packaging has been known across Europe for its high-quality labels and packaging for wine, beverages and food products. The renowned European group of companies is 100% family-owned, has more than 650 employees and operates production facilities in Austria, Hungary and the Ukraine. Starting as a pure label producer, the company eventually became an innovative full-service provider for fine, decorative packaging such as sheet-fed and reel labels, folding boxes and flexible packaging.

Products and services

- FUJITSU Integrated System PRIMEFLEX for Microsoft Storage Spaces Direct on the basis of Windows Server 2016 Datacenter
- 2 x FUJITSU Server PRIMERGY RX2540
- 4 x FUJITSU Storage ETERNUS JX40
- 1 x FUJITSU Storage ETERNUS LT20

Expansion led to need for a viable and flexible solution

Marzek Etiketten+Packaging GmbH offers its customers integrated label and packaging solutions from the design to the production phase. An ERP system ensures the transparent representation and efficient control of the complex business management processes. A classic server-storage infrastructure, which the medium-sized company operates at its main location in Traiskirchen (Austria), forms the hardware basis for these processes as well as other applications. However, the aging infrastructure was no longer able to keep up with increasing requirements. "The existing IT environment no longer met our performance and stability requirements. Accessing the database took a lot of time and also increased the time required for productive processes," remembers Paul Piribauer, IT Manager at Marzek Etiketten+Packaging GmbH.

Given the company's fast expansion, the IT team looked for a powerful and viable solution that can easily be expanded and offers maximum reliability. One key criterion was that the platform had to be based on Microsoft Windows. The company's long-standing partner, Vienna-based ABAX Informationstechnik GmbH, was commissioned to design the corresponding infrastructure. The service provider had already implemented Fujitsu IT solutions at Marzek Etiketten+Packaging GmbH some time ago. As the company was very satisfied with the proven technology, Fujitsu was once again asked to become involved in this project.

Implementation in record time thanks to co-creation

In the context of a classic co-creation project, ABAX and Fujitsu worked closely with Marzek Etiketten+Packaging GmbH to design, plan and implement a FUJITSU Integrated System PRIMEFLEX for Microsoft Storage Spaces Direct architecture according to the customer's individual requirements. Two powerful PRIMERGY RX2540 enterprise servers form the heart of the hyper-converged infrastructure. Four ETERNUS JX40 storage subsystems were added to increase the storage capacity of the servers. An ETERNUS LT20 tape system guarantees reliable backup processes. The architecture is based on the Windows Server 2016 Datacenter edition, which already features comprehensive virtualization capabilities of Microsoft's Hyper-V technology. "Thanks to the excellent cooperation with Fujitsu and Marzek, we were able to complete the project in record time. From the time the order was received, it only took two months until the new PRIMEFLEX environment was able to go live," confirms Heinrich Pommer, who acted as the technical account manager for the implementation on behalf of partner ABAX. A special benefit for the customer: All server, storage and network components are extensively preconfigured and tested before they are shipped. Using the Storage Spaces Direct technology, local hard drives can be used in the server systems, which guarantees a highly-available, scalable and flexible software-defined storage environment. In addition, the cluster consisting of two high-performance servers also provides Marzek with maximum reliability of systems and data.

Hyper-converged infrastructure impresses with flexibility and performance

"Our partners Fujitsu and ABAX did excellent work and created a configuration that is precisely tailored to our requirements. The PRIMEFLEX for Microsoft Storage Spaces Direct architecture offers precisely the stability, performance and reliability that we need for our critical business processes," says Paul Piribauer. As a result, Marzek was able to increase the speed of database access by a factor of three. For example, the creation of reports and analyses, which previously took half an hour, can now be completed within ten minutes. Another advantage of the hyper-converged infrastructure compared to classic server storage architectures: The configuration enables a much larger storage capacity while generating only a fraction of the cost of conventional SAN or NAS arrays. Consequently, the packaging specialist was able to save 30 percent in overall IT operating costs. In addition, the PRIMEFLEX environment offers a solid hardware and software basis for the company's fast growth. Thanks to the hyper-converged technology, systems can be easily extended and adapted to increasing requirements. "We are planning to roll out the new system environment also at our locations in Hungary and Ukraine. Fujitsu's PRIMEFLEX for Microsoft Storage Spaces Direct architecture with its high degree of flexibility offers optimum support for our international expansion," concludes the IT Manager.

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Get in contact with a sales representative at: cic@ts.fujitsu.com

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