



Wernsing Food Family

Comprehensive tech refresh from a One-Stop Shop



Top quality and safety in food production demand exceptional partners. To meet the requirements of a modern Industry 4.0 production environment, the Wernsing Food Family entrusted Fujitsu with the modernization of its IT landscape.

Challenge

An Industry 4.0 production environment demands the seamless integration of advanced technologies and continuous real-time data processing. Data security, operational reliability, and efficiency were the central focus of the IT consolidation across the entire Wernsing Group.

Solution

Switching hypervisors from VMware to Microsoft modernized the virtualization infrastructure. Additionally, the cybersecurity and data protection framework was updated to establish a multi-layered, future-proof security strategy.

Results

- A backup environment designed to meet the client's high standards
- Ensuring the standards of continuous high-quality food production
- Optimal performance for backup and restore

„Fujitsu proved to be a very good partner, adapting well to our challenges. As a result, they consistently met our high standards of quality and security, from the implementation of our future-proof IT landscape to ongoing operational support.“

Philipp Huslage, Head of Infrastructure, WFF IT-Service GmbH

Industry:
**Food
Industry**

Employees:
4.600

Country:
Germany

Website:
wernsing-food-family.com

The Customer

The Wernsing Food Family specializes in the production and distribution of premium food and gourmet products. The parent company oversees three groups with eleven production sites in Germany and additional locations across Europe. The Wernsing Group places great emphasis on quality, innovation, and sustainability, supplying products of the highest standards to both the retail sector and the foodservice industry.

New Backup Solution and Multi-Layered Security Concept

The Wernsing Food Family, a company with a strong tradition, has built its success on continually exploring innovative approaches. To modernize its IT infrastructure and meet the demands of a contemporary Industry 4.0 production environment, the group partnered with Fujitsu for expert guidance and implementation. Through this tech transformation, the IT infrastructure was comprehensively upgraded, delivering greater efficiency, security, and flexibility in an increasingly digitalized production landscape.

Key initiatives included the design and deployment of a new backup environment based on Veeam, along with the implementation of a multi-layered security strategy to fully isolate the backup environment. This included role-based Privileged Identity Management (PIM) for dynamic administration of access rights and a complete network segmentation between backup, production, and other operational areas.

The backup solution integrates a Linux-based backup-to-disk (immutable) with a backup-to-tape system and is supported by ongoing remote operational support and regular health checks for Veeam, Linux, and the SAN infrastructure. Licensing was standardized via Veeam Enterprise Manager, enabling comprehensive protection for HyperV, VMware, databases, and additional applications.

Fail-Safe Environment with ETERNUS and PRIMERGY

The Wernsing Food Family relies entirely on Microsoft Hyper-V and has built a fail-safe environment using ETERNUS and PRIMERGY systems. At the core is the ETERNUS AF250 S3 StorageCluster, which provides high-availability all-flash capacity of around 170 TB net and enables transparent failover through synchronous mirroring. Various Microsoft Hyper-V and SQL clusters access the storage over the FibreChannel SAN network, distributed across 12 PRIMERGY RX2540 servers and additional specialized systems for SQL, Business Intelligence, and VEEAM Proxy. These systems are symmetrically distributed across two data centers, with a third location dedicated to backup and management, also integrated into the SAN. This location houses additional PRIMERGY servers and ETERNUS systems responsible for backup mirroring and management.

Investments in IT for the future has proven to deliver significant improvements

By implementing new security measures and technologies, the Wernsing Food Family has significantly enhanced the protection of sensitive data and the integrity of production processes, while also improving the performance and availability of the entire IT environment. The consolidation of the IT infrastructure enabled optimal utilization of IT resources, while ensuring high scalability for future growth.

"Through investing in our infrastructure, we have laid the foundation for change and future growth. Together with Fujitsu, we have simplified our IT operations without compromising on security, ensuring we are well-prepared for the challenges of tomorrow," said Patrick Köpken, Senior Administrator, WFF IT-Service GmbH.



WFF IT is the IT partner for the Wernsing Food Family across all company locations.



Fujitsu

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