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Stadtwerke Wolfenbüttel

Strategic Infrastructure Refresh Built on Proven Continuity

For its scheduled data center infrastructure refresh, Stadtwerke Wolfenbüttel selected a comprehensive solution from Fsas Technologies. Retaining the proven architecture enabled a smooth transition.

Challenge

During its strategic five-year refresh of the infrastructure across two separate data center areas, Stadtwerke Wolfenbüttel needed to retain the proven architecture while increasing performance and storage capacity to support future growth.

Solution

The solution comprises ten PRIMERGY RX2540 M7 virtualization servers, two ETERNUS DX600 S6 storage systems with a combined capacity of 335 TiB and clustering functionality, a CommVault backup environment with ETERNUS LT140 tape libraries, Brocade Fibre Channel switches and Cisco networking components.

Results

- Substantial gains in performance and storage capacity
- Project completed ahead of schedule
- Seamless transition with no design changes
- Complete migration with zero downtime

“Our long-standing partnership with Fsas Technologies enabled us to refresh our data center efficiently and smoothly, without unnecessary complexity. Having the same team that completed our migration five years ago was invaluable.”

Sascha Lachmund, IT Systems Administrator, Stadtwerke Wolfenbüttel

Industry:
Energy

Employees
126

Country:
Germany

Website:
stadtwerke-wf.de

The Customer

As a regional utility provider, Stadtwerke Wolfenbüttel is a trusted and reliable partner for electricity, gas, heating and water. The company is committed to providing environmentally responsible, affordable and reliable services and offers a broad portfolio covering e-mobility, photovoltaics and heating solutions.

STADTWERKE WOLFENBÜTTEL

A Successful Data Center Refresh Built on Continuity and Expertise

For decades, Stadtwerke Wolfenbüttel has operated its IT infrastructure across two data center areas with independent fire protection. As part of its strategic approach, all hardware is refreshed every five years with current technology, and support and service contracts are renewed at the same time. This forward-looking strategy ensures high availability for the utility company's critical services.

Given the size of its IT team, Stadtwerke Wolfenbüttel wanted to avoid changes to the core infrastructure architecture wherever possible. The only requirements were to increase performance and storage capacity to support future growth.

The long-standing relationship of trust between Stadtwerke Wolfenbüttel and Fsas Technologies played a decisive role in the contract award. The project was supported by partner MAIER IT-SYSTEME.

A Comprehensive Infrastructure Refresh Using Proven Components

The solution is based on two ETERNUS DX600 S6 storage systems with clustering functionality and a combined capacity of 335 TiB. The complete package includes ten PRIMERGY RX2540 M7 servers for the virtualization environment and one PRIMERGY RX1330 M6 as a witness server.

The backup environment comprises two CommVault backup servers, each connected to an ETERNUS LT140 tape library, supporting 260 VMs and 1 TiB of File Exchange Tracking. Four Brocade Fibre Channel switches operating at 32 Gbit/s provide high-speed SAN data transfer. Four Cisco Nexus 9300 LAN switches with 48 ports complete the network infrastructure, while service contracts for the existing Cisco Catalyst switches were extended for a further five years.

Commvault®

BROCADE
A Broadcom Company

MAIER
IT-SYSTEME

Expert Support from Planning to Handover

Hands-on support from the Fsas Technologies Consultative Presales and Consulting Services teams was a key factor in the project's success. The project began in spring 2024 with high-level and detailed planning and solution design. Implementation and migration followed in summer 2025, including hardware installation, software configuration, commissioning, system migration, data center failover testing, documentation and handover.

Thanks to the expertise of the project team, which had also delivered the previous refresh five years earlier, implementation was completed well ahead of schedule. This continuity allowed the team to build on proven processes, avoid potential pitfalls and carry out the migration with maximum efficiency.

Stadtwerke Wolfenbüttel now has a modern IT infrastructure designed to provide strong performance and scalability for the next five years. The proven architecture, combined with current technology, enables the IT team to operate the systems efficiently while maintaining sufficient capacity for future growth.

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