SIGMA
EVOLVE DIGITALIZATION

Reference Report

Contact person

Lucas Hübert
☎ +49 371 2371-116 📱 +49 160 97239626
📠 +49 371 2371-150
Email: lucas.huebert@sigma-chemnitz.de
Internet: www.sigma-chemnitz.de/en

About SIGMA

As a reputable system house in Saxony SIGMA Chemnitz GmbH operates as system integrator and partner of well-known Providers in the IT sector. Our over 80 employees at the Chemnitz and Dresden sites form a competent team at the location Chemnitz. With expertise, competence and over 30 years of experience we offer our customers reliable and powerful solutions.

Important facts

- virtualization of the IT-landscape
- domain migration
- implementation of Microsoft Exchange
- connection to mobile devices, e.g. smartphones etc.
- use of a Firewall solution
- connection to an external cloud service
- backup solution

Renewal of the whole IT landscape at Abwasserzweckverband „Zschopau/Gornau"

🌐 *www.azv-zschopau.de*

AZV Zschopau/Gornau

Clean water for our environment is the task of the Abwasserzweckverband (AZV) „Zschopau/Gornau", which was founded in 1993 as a municipal Körperschaft under public law. The association with its members, the city of Zschopau and the municipality of Gornau serves an area of about 18 km². To fulfill its task of waste water treatment, the association operates a 63-kilometer-long sewer system, as well as more than more than 70 pumping stations as well as rain overflow and rain retention basins. All the wastewater is ultimately routed to the central wastewater treatment plant in Zschopau, which has a capacity of of 17,000 p.e.*, where it is properly treated before being discharged into the Zschopau cleaned.

The project

Over the years, the entire IT landscape of the wastewater association had reached the limits of its age and the capacity limit. The increasing risk of server failures and the poor performance of the IT system made a renewal indispensable. A survey of the requirements and dimensioning of the capacities took place. Between May and June 2017, the server infrastructure was renewed and virtualized, improving the company's IT operations.

The renewal of the backup system led to a significant stabilization of the backup processes. The existing Windows Small Business Server (SBS) was migrated to a new version (Windows Server 2016 and Exchange Server 2016). This ensures future update security and reliability. Finally, a powerful firewall was installed with the SOPHOS solution. The firewall is connected to two separate internet connections for the administration with connection of the cloud-based billing and the sensor network.

Furthermore, the firewall is responsible for the secure connection of the smartphones to the groupware solution and the establishment of a VPN connection. This means that data can be accessed from any location at any time during an emergency.

This is what our customer says...

„We had reached a capacity limit. With with the help of SIGMA Chemnitz GmbH, we have brought our complete IT landscape to a new state and increased fail-safety. The cooperation with SIGMA was very trustworthy."

Claudia Bieber, Commercial Manager at Abwasserzweckverband „Zschopau/Gornau"

Pictures: Abwasserzweckverband „Zschopau/Gorna" GmbH