



Sucess Factor Cloud: Westnetz Reaches New IT Dimensions With SEEBURGER iPaaS@AWS

Westnetz is actively helping to shape the energy transition with the forward-looking expansion and modernization of its infrastructure, modern process flows and innovative technologies. In line with the E.ON Group's overarching digitalization strategy, Westnetz is specifically focused on cloud-based solutions to further increase efficiency, scalability, and innovation.

The closure of the previous data centers made it necessary to migrate the existing infrastructure. The task was to move the former on-premises landscape of the SEEBURGER Business Integration Suite (BIS) completely to the cloud while reliably meeting regulatory requirements in the energy market, especially in the context of Redispatch 2.0. At the same time, maintaining operations under new conditions gave Westnetz the opportunity to further develop its IT infrastructure with a future-ready approach.

Future-proof strategy for dynamic markets

For more than 20 years, Westnetz and SEEBURGER have been linked by a successful partnership. With the strategic decision to operate the cloud-based BIS platform in Amazon Web Services (AWS) European data centers, Westnetz is creating a solid foundation for continued success in the digital age.

The combination of **SEEBURGER iPaaS with AWS** gives the utility company:

- Maximum availability
- Highest security
- Flexible scalability at peak loads
- Zero downtime

westnetz

About Westnetz GmbH

Well connected for a secure energy supply

Headquartered in Dortmund, Westnetz GmbH is the largest distribution system operator in western Germany. As a subsidiary of energy service and infrastructure provider Westenergie AG, Westnetz plans, builds, and operates electricity, natural gas, water, and broadband networks in North Rhine-Westphalia, Rhineland-Palatinate, and Lower Saxony. Westnetz operates an electricity grid spanning 175,000 kilometers and a natural gas grid of around 24,000 kilometers.

Around 7,000 employees ensure reliable energy and high-speed internet across its service area around the clock.

www.westnetz.de



Curious about other case studies from the utilities industry?

SEEBURGER iPaaS@AWS – cloud-based added value for Westnetz

By successfully migrating the on-premises BIS systems to SEEBURGER iPaaS@AWS, the utility company benefits in many ways:

- Reliable operational stability through an active/active setup across two Availability Zones at component level
- AWS monitoring tools operated by SEEBURGER and SEEBURGER services such as platform operations and release management for the BIS platform
- Maximum data protection through AWS-certified infrastructure and SEEBURGER security mechanisms (encryption, monitoring, certifications)
- Flexibility for around 80 million messages per month and peak loads of up to 7,800 messages per minute
- Compliance with industry and regulatory requirements
- SEEBURGER expertise for successfully implementing regulatory requirements and interface-related migration challenges

The benefits for Westnetz

- + Operational stability with a fast transition of the BIS operating model
- + Highest security and availability
- + Scalability for volatile data volumes
- + Compliance
- + Reduced IT workload
- + SEEBURGER integration expertise and a central point of contact
- + Future-proofing

Westnetz relies on a tailored integration solution for critical business processes

- Market communication (MaKo) for internal and external customers
- Redispatch 2.0 for internal and external customers
- Splitting/routing into diverse downstream systems
- SAP Cloud integration (S/4, CI and SAP MaCo)
- Multiple integration processes via web services (SOAP/REST)
- Invoice delivery for E.ON's British subsidiary npower
- Secure external exchange of unstructured data via BIS-FX

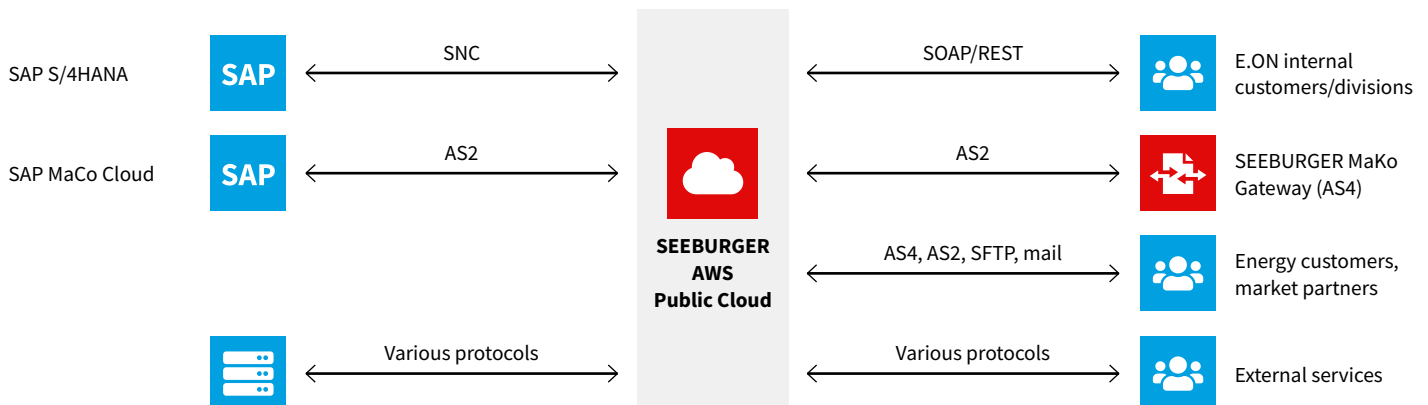
The new system landscape at Westnetz

- 8 systems for test and production operation in the AWS Cloud
- 3 dedicated production systems for grid processes, sales processes, and internal EAI processes, including one of the largest systems SEEBURGER currently operates in the AWS Cloud
- Multi-stage landscape with Dev/Staging/Prod for EAI and grid processes, and Staging/Prod for sales processes
- Technical connectivity of backend systems via both internet and intranet (Equinix)
- 2 view systems for historical message tracking in the SEEBURGER Cloud, retained as an archive for 1 year

Westnetz IT-Landschaft

SEEBURGER iPaaS@AWS

Business partners



SEEBURGER iPaaS@AWS at Westnetz



One of the key factors behind the project's success was the longstanding, trusting collaboration of the entire project team, made up of very experienced employees from Westnetz and SEEBURGER. The migration from the on-prem data centers to the AWS SEEBURGER Cloud was completed without disruption to internal departments or external customers despite a high-pressure schedule. It was a tremendous effort, delivered both on time and on budget.

Wolfgang Wenzel, BIS Application Manager, Westnetz