



HIGHLY AVAILABLE INFRASTRUCTURE FOR INTERNET OF THINGS

IoT service provider in Germany benefits from a reliable, scalable hybrid cloud solution built on Platform Equinix® to optimize connectivity, speed data transfer and boost performance

“With millions of IoT terminals sending data packages, we need an overall concept that’s easily expandable. We rely on Axians to set up a software architecture and on Equinix to provide us the highly available infrastructure for our network.”

Wolfgang Krüger, Head of Networks, Telent

Executive Summary

A specialist in cybersecurity and the internet of things (IoT), Telent works with clients to design and build IT network and automation projects that optimize digital business processes. Its subsidiary, Netzikon, builds and operates a network in Germany based on the LoRaWAN technology standard, connecting a large number of IoT devices via radio at a low rate of power consumption.

Netzikon approached Telent to design a flexible, scalable infrastructure that could process high volumes of IoT data at high speed.

Business Challenge

“Our customers expect highly available infrastructures,” explained Wolfgang Krüger, Head of Networks, Telent. Netzikon needed a reliable, secure data center that would comply with the German government’s telecommunications regulations. “This means, for example, that a complete security concept, detailed emergency planning and professional data encryption are mandatory. In addition, we needed powerful, expandable capacity that fulfills all IoT requirements.”



Customer profile

History

Founded in 2006, Telent specializes in the effective operation of critical national infrastructure and is at the heart of many well-known brands.

Customers

Telent works with customers in rail, traffic, public safety, defense, service provider, enterprise and public sectors in Germany.

Headquarters

Backnang, Germany
<https://telent.com/>

The Telent team engaged Axians, which specializes in information and communication technology (ICT), for their expertise. Recently recognized by IDG as the best managed-services provider in Germany, Axians offers customized ICT solutions and services that include business applications and data analytics, enterprise networks and digital workspaces, data centers and cloud service, telecommunications infrastructure and cybersecurity.

Axians provides “the best of ITC with a human touch,” explained Zoran Olujic, Business Unit Manager. “We put people at the heart of what we do.”

Solution

Teams from Telent, Axians and Equinix collaborated on a solution based on Platform Equinix®, bringing the distribution of services and controls closer to Netzikon’s customers, employees, partners and ecosystems.

Colocation in three International Business Exchange™ (IBX®) data centers in Frankfurt (FR2, FR4 and FR5) now provides Netzikon with 99.999% reliability, as well as security and redundancy for business continuity and disaster recovery.

The IoT service provider uses Equinix Cloud Exchange Fabric™ (ECX Fabric™) to directly, securely and dynamically connect distributed infrastructure and digital ecosystems on Platform Equinix via software-defined interconnection across more than 50 metros on five continents. In addition, Equinix Connect at each of the three IBX data centers provides a Layer 3 solution for out-of-band management and reduces latency.

“As an IoT solution provider,” explained Krüger, “we have the task of processing high volumes of data packages in a short time, so our solutions need to consider the growth potential” of IoT devices.

Telent worked closely with Equinix on the colocation, said Krüger, “deciding, for example, where to install and connect the servers in the Equinix data centers’ fireproof rooms. Then we set up the servers and the network, and configured backups, an emergency recovery system and core functions of the Netzikon network operation.”

Business results

“With Equinix,” said Olujic of Axians, “we have a very strong partner who offers us the innovative data center concept that our customers need to realize their digitalization projects.”

The collaboration has been productive, said Krüger: “We rely on Axians to set up servers. Equinix provides us with the necessary infrastructure in the form of highly available data centers. All three companies—Axians, Equinix and Telent—combine their expert knowledge and work brilliantly together. For us, Axians and Equinix are extremely reliable business partners.”

About Axians

Axians offers a comprehensive range of ICT solutions and services spanning business applications and data analytics, enterprise networks and digital workspaces, data centers and cloud service, telecommunications infrastructure and cybersecurity.

Learn more at <https://www.axians.com/en/>

About Equinix

Equinix, Inc. (Nasdaq: EQIX) connects the world’s leading businesses to their customers, employees and partners inside the most-interconnected data centers. On this global platform for digital business, companies come together across more than 50 markets on five continents to reach everywhere, interconnect everyone and integrate everything they need to create their digital futures.

Learn more at Equinix.com

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