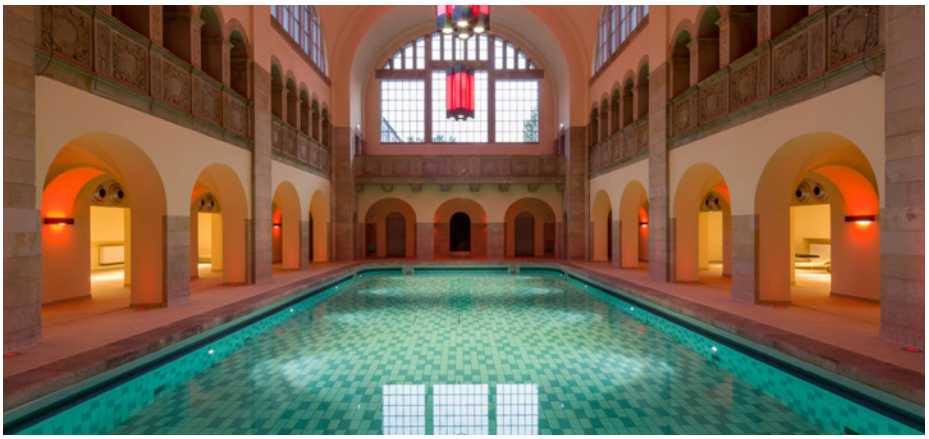
# Historical building meets state-of-the-art network technology



HOTEL ODERBERGER BERLIN

its information technology services

## EXECUTIVE SUMMARY

| | |
|---|---|
| **Customer** | Hotel Oderberger |
| **Industry** | Hospitality |
| **Location** | Germany |
| **Challenge** | Wire and Wireless Network, Video surveillance |
| **Solution** | DXS-3600-32S, DGS-1510-28P, DWL-6600AP, DWC-2000, DCS-2210, DCS-7110 |
| **Results** | Complete solution providing wire and wireless onnectivity as well as video surveillance |

*The 'Stadtbad Oderberger' was designed in1898 by architect Ludwig Hoffmann to supply the then rapidly growing district of Prenzlauer Berg with public institutions. In 1986 it was forced to close and remained so until 2012 when extensive renovations began, which included adding state-of-the-art network technology. In January 2016, the Hotel Oderberger Berlin was opened. From October 17th, 2016, the swimming pool was re-opened for the first time in 30 years, and the pool area continues to be used as an event location.*

## Challenge

In all the historical areas, the planners ensured a flexible and future-proof IT infrastructure. A high-performance backbone was required to support the comprehensive areas of the building technology, the locking system, the video surveillance system, along with hotel, guest and event Wi-fi, all operate over the network.

## Solution

Equipping a hotel of this size with the complete technology solution requires both time and in-depth experience, which is precisely what ITS Information Technology Services, the system integrator, have to offer. Applications that needed to be covered by the IT-infrastructure, for the hotel and its events area included:

- Office operations: All administrative tasks
- Telephony: VoIP both for guests and administration
- Internet access: Internal Wi-Fi for hotel and conference guests
- Video surveillance: public areas, emergency exit routes and the external area
- Building technology: the locking system (room access via cards), the lifting platform in the swimming pool, window sensors and motion detectors
- Event technology: central control of light and sound via tablets or laptops from reception or individually in each hotel room
- Restaurant area: ordering and payment systems

## Result

The central component of the backbone is a stack consisting of three D-Link DXS-3600-32S/SI switches from the 10 Gigabit switch range. Twenty DGS-1510-28P D-Link distribution switches are then connected in a star topology. The switches have a total of over 1100 ports.

Wi-Fi coverage throughout the historic building was achieved by 200 Dual-Band Ceiling Access Points (DWL-6600AP), controlled centrally via two redundant DWC-2000 wireless controllers.

In order to further increase security in the very extensive building complex, multiple indoor and outdoor cameras were also installed in transit areas and to monitor emergency exits and escape routes.

"ITS installed D-Link network solution to create a future-proof and scalable infrastructure both on the previous campus and also in the Oderberger public pool. A high-performance Wi-Fi network is available in all areas and the flexible LAN operates fast and reliably. Thanks to the easy installation and low maintenance of the D-Link products, our costs have also been kept to a minimum."

Barbara Jaeschke, co-owner of the hotel

## Products & Services

- DXS-3600-32S
- DGS-1510-28P
- DWL-6600AP
- DWC-2000
- DCS-2210
- DCS-7110

DXS-3600-32S

DGS-1510-28P

DWL-6600AP

DCS-7110