Success Story NORD/LB
A WinGuard Reference Project

winguard
always retain control

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"We wanted to continue working with different manufacturers of technical security and building management systems in order to remain independent at all times. WinGuard therefore offered the ideal solution in the form of a PSIM system that integrates the extensive infrastructure of the banking association across all locations. In addition, the existing communication systems are connected, which are relevant not only for rapid incident processing in the event of an emergency, but also for the day-to-day operations of a bank. The high availability of WinGuard and the reporting functions are further decisive advantages."

The Challenge

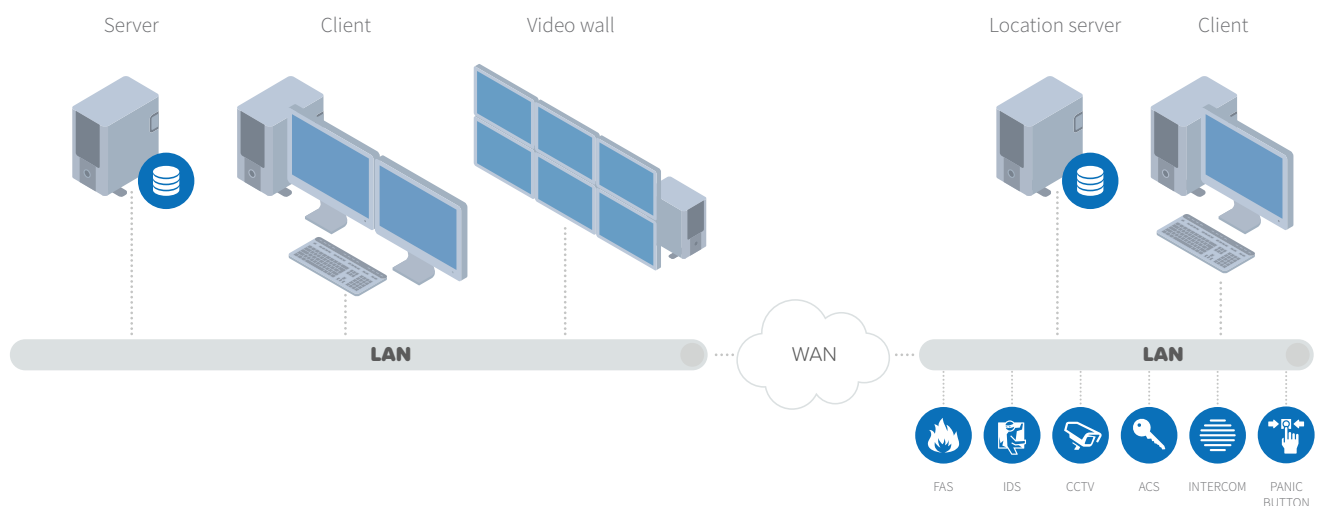## A central physical security platform to ensure security in all bank branches

NORD/LB Norddeutsche Landesbank is one of Germany's leading commercial banks. As an institute under public law, it is part of the S-Finanzgruppe.

Its core business areas include corporate customers, special financing in the energy and infrastructure sector and for aircraft, the financing of commercial real estate via Deutsche Hypo, capital market business, S-Group business with the savings banks and private and business customers including private banking.

The bank is based in Hanover, Braunschweig and Magdeburg and has branches in Oldenburg, Hamburg, Schwerin, Düsseldorf and Munich.

The challenge was to set up a national security operations center (SOC) to ensure comprehensive security.

- ✔ WinGuard Enterprise Server
- ✔ WinGuard Hot Standby Server
- ✔ 2 location servers
- ✔ 6 interface servers
- ✔ 16 WinGuard workstations
- ✔ Security Operations Center (SOC)
- ✔ Evacuation system
- ✔ CCTV
- ✔ Alarm systems
- ✔ Building automation
- ✔ Fire alarm systems
- ✔ Intrusion detection systems
- ✔ Access control
- ✔ Emergency call system
- ✔ Different PLC via Modbus IP

Server Client Video wall Location server Client

LAN — WAN — LAN

FAS IDS CCTV ACS INTERCOM PANIC BUTTON

The system concept
WinGuard is the all-in-one solution

In addition to the classic danger of a robbery, there are numerous other potential threats in a bank that make high security precautions necessary, such as burglary or unauthorized access outside of business hours, but also the failure of technical infrastructure such as building services systems or even IT.

WinGuard is an open integration platform enabling a cross-domain integration of the complete security, building management, communication technology and of the IT infrastructure. It collects all incidents from different security and information systems and the intelligent event visualization enables the user to easily identify situations.

Messages from the fire and intrusion alarm systems, access control systems, video cameras, but also the temperature monitoring of the server room, for example, are displayed in a clear user interface, and all connected systems can be controlled in a standardized way.

Guided process instructions support the user to take the appropriate measures, e.g. to prevent potential failures, switch to fallback levels or plan preventive maintenance on the technical systems.

In the event of an incoming report, both the cross-location security operation center and the responsible personnel on site at the bank branch are automatically informed by text message, e-mail, or telephone. WinGuard also enables automatic actions to be forwarded to all branches, including the monitoring and complete storage of all measures.

High redundancy is ensured by location and interface servers. Each bank branch can be monitored in parallel, locally and/or by the central security operations center. The organizational integration of WinGuard into overarching security concepts and corporate IT is seamless.

Advantages of the system

✔ As a vendor neutral system, WinGuard integrates all existing technical subsystems, e.g. intrusion and fire alarm systems, access control, video surveillance, as well as the entire building technology.

✔ The integration of the IT infrastructure as the basis for all communication processes is also realized via WinGuard.

✔ Extended redundancy concepts to ensure high availability of the system.

✔ Seamless, legally compliant documentation of all security-relevant processes.

✔ Standardized, user-friendly display and operation of all technical systems.

✔ Commands to control various systems are processed in the same form, increased safety thanks to simple operability.

✔ Simple fault detection by receiving fault messages from the connected systems.

✔ Scheduling preventive maintenance via WinGuard and rapid response to potential failures.

✔ Organizational integration into overarching security concepts.

✔ Central or local monitoring of bank branches is flexibly possible.

Standardized user interface
WinGuard integrates all the connected systems

Energy monitoring and optimization

By using motion and presence detectors in conjunction with a room booking system, energy can be saved in the NORD/LB buildings for lighting and at the same time for heating, ventilation, and air conditioning. The central coordination of maintenance data for technical building systems is also possible.

Emergency power supply

The centralized monitoring of the UPS (uninterruptible power supply) for the voice alarm systems makes an important contribution to security in the company and offers precise remote monitoring and management of UPS systems.

Cyclical alarm tests

Voice alarm systems (VAS) used with fire alarm systems must have a high degree of reliability. Testing in accordance with DIN EN 54-16 is carried out cyclically by means of speech intelligibility tests for predefined building areas and is controlled centrally.

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