



CASE STUDY TONHALLE -DÜSSELDORF

„An iconic building only remains alive if it evolves technically—without losing its character.“

About the Project

The New Tonhalle Düsseldorf, an architectural landmark from the 1970s, underwent extensive modernization in 2005. The goal was to preserve its iconic form while creating a modern, high-performance infrastructure.

Today, it hosts over 200 concerts and welcomes around 220,000 visitors each year, serving as a central cultural hub—supported by SE-Elektronic C-Bus technology.

Why was this solution chosen?

SE-Elektronic's solution was selected to ensure reliable and centralized control of the complex building systems required for modern concert operations. With C-Bus technology, a wide range of systems—from HVAC and lighting to technical equipment—can be efficiently networked and flexibly adapted to different event requirements.

Key factors in the decision included high scalability, the ability to process a large number of data points, and intuitive operation for the facility management team. This ensures smooth day-to-day operation while also providing a solid foundation for future expansions.

Project Name:
Neue Tonhalle Düsseldorf

Location:
Düsseldorf, Deutschland

Goals:

- Preservation of the iconic architecture while simultaneously modernizing the technology
- Development of a future-proof, scalable building automation system
- Creation of a flexible infrastructure to support a wide range of event formats

Benefits:

- Centralized control of more than 3,000 data points
- Significantly improved energy efficiency through optimized control of HVAC and lighting systems
- Noticeable improvement in comfort for visitors, artists, and operators

