



Laubenbachmühle Operations Centre / Case Study

232 km railway network

5,700 m² effective surface

25 staff

1 Commend Security Solution

SIMPLICITY meets POWER



SECURITY AND COMMUNICATION

LAUBENBACHMÜHLE OPERATIONS CENTRE – NÖVOG TRAINS

Mobility and Service



Photo(s): Commend Österreich GmbH

Project Details

Customer

NÖVOG (Lower Austrian Traffic Management Company)

Project Type

Mobility and Service

Basic Project Data

5,700 m² effective surface

Station concourse, workshop, train shed

25 staff (not including conductors or engine drivers)

€ 20m annual budget

“Stairway to Heaven” tourism train with modern railcars and new panorama cars

Technical Implementation

Intercom Server GE 800 linked to eightfold ELA amplifier

Vandal-resistant door control

Desktop and wall-mounted Intercom stations for offices and workshop areas

Control Desk with direct dialling module for Control Room

Loudspeakers for all building areas and station platforms

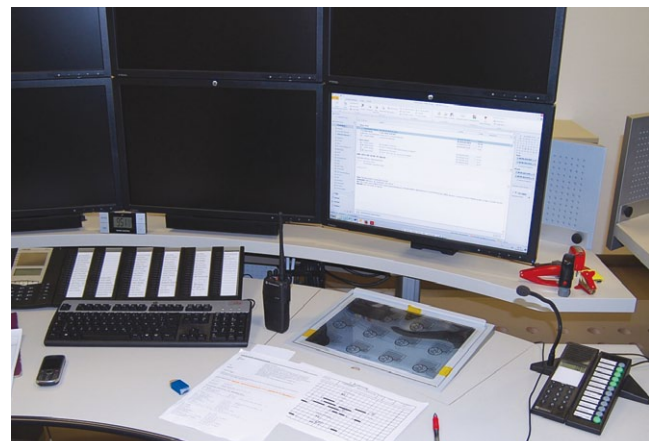
The Challenge

Access to operations buildings and workshops were to be protected against unauthorised access by means of door and gate intercoms.

Another requirement was the integration of the existing ELA system for operations buildings and public areas (bistro/concessions, platforms, etc.).

Also, the solution had to provide a means for Command Station staff to make announcements to specific PA circuits on the premises.

Command Station:



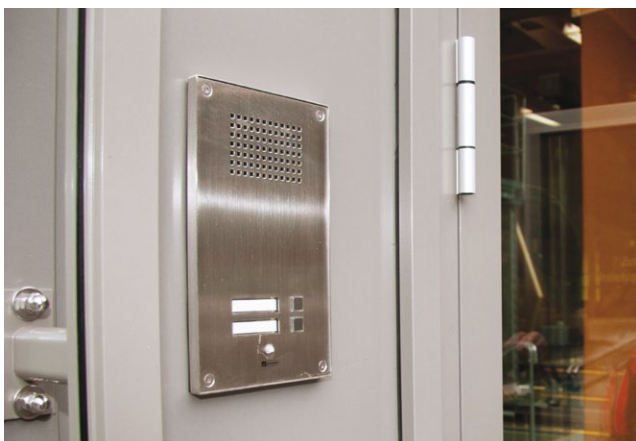


The Solution

A GE 800 Intercom Server now provides central management of all door/gate and office Intercom stations. Access doors and gates have been fitted with vandal-resistant Intercom stations and can be remote-operated via the Control Desk and individual office Intercom stations. This arrangement ensures convenient controlled access to all sensitive areas. Also, staff at the central Control Desk can now make announcements to six different PA circuits to selectively address public and staff-only areas.

To avoid technical wiring limitations, the Control Desk station that interconnects the control room and station buildings were networked to the Intercom Server using optical waveguide connections.

Door/Gate Intercom Stations:



Brief company profile

The "Niederösterreichische Verkehrsorganisationsgesellschaft / NÖVOG" (Lower Austrian Traffic Management Company) is responsible for managing Lower Austria's public regional traffic operations. Among other things, this includes the planning and operation of bus and railway lines (so-called "Wieselbusse" and NÖVOG trains) and aerial cableways, in addition to managing the corresponding real estate and shareholdings. NÖVOG currently uses 232 km of the available 329 km railway network for its passenger services. Railway lines include Citybahn Waidhofen, Waldviertelbahn, Reblaus-Express, Wachaubahn, and Martiazellerbahn (this latter one was the object of a substantial investment over the past few years). The core elements of NÖVOG's services are the new rail wagons and the Laubenbachmühle operations centre. In future, all NÖVOG lines will be operated from a central control room here. Situated next to the railway station, the newly constructed building complex includes a train shed and workshop, marking the central point of the Mariazellerbahn line, smack in the middle between the downhill and uphill routes.

Customer's Comment

Dipl.-Ing. Michael Rödlach
Head of Systems, NÖVOG

"In future, the Laubenbachmühle operations centre will not only house the control room for the Mariazellerbahn, but will cover all NÖVOG railway lines. The Laubenbachmühle premises have been equipped with latest technology for just that purpose. We are currently planning to extend our passenger information services, so we took great care to ensure full compatibility between the existing and new equipment – which was no problem, thanks to the solution provided by Commend."

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