



PRISON INTERCOM

Graz-Karlau Correctional Facility / Case Study



500 inmates

250 cell stations

20 video call stations

One digital control desk system

SIMPLICITY meets POWER



SECURITY AND COMMUNICATION

GRAZ-KARLAU CORRECTIONAL FACILITY

Help at the touch of a button



Photos: Graz-Karlau Correctional Facility, Kristoferitsch

Project Details

Customer

Graz-Karlau Correctional Facility, Graz, Austria

Project Type

Enhanced in-cell security through call stations with various add-on functions

Basic Data

500 inmates

250 in-cell call stations with call and light buttons

Technical Data

Intercom Servers GE 800

Wallmount stations WS 201VDCM, video call stations with call button

EF 031-2 cell terminal, including EB 330 electronics and UP 030 mounting box

V24 interface to SIEMENS visualisation software and video management

Microphone boxes in ET 901 housing with ET 808 electronic array

The Solution

To provide the required level of security at the correctional facility, all detention cells are equipped with Intercom stations. When the previous system became obsolete, the various types of cells were equipped with appropriate new security and communication equipment, starting from mid-2010. A key requirement was the ability to initiate a call from any cell, and to provide individual in-cell control of additional functions such as lighting or music. When wardens are inside a cell, various mechanisms (e.g. Audio Monitoring) should trigger an automated alarm, if necessary. In addition, the Intercom solution was required to manage airlock control functions and CCTV monitoring, as well as a link to the SIEMENS central control system.

Details of the solution:

- ▶ 9 x GE 800 Intercom Servers, distributed across two locations
- ▶ 250 in-cell Intercom stations with call and light buttons
- ▶ Remote electronic controls on aisle side
- ▶ Front panel with key switch and light button
- ▶ Triple LED call indicator lights on both sides of the aisle
- ▶ 5 LED indicator lights for storey indication, some with buzzers
- ▶ 20 vandal-resistant door call stations with integrated video/CCTV support and call button
- ▶ 50 separate microphone boxes in the aisles for Audio Monitoring
- ▶ 45 bi-directional loudspeakers (2 x 10 watt), distributed across approx. 25 circuits





Short profile of Graz-Karlau Correctional Facility

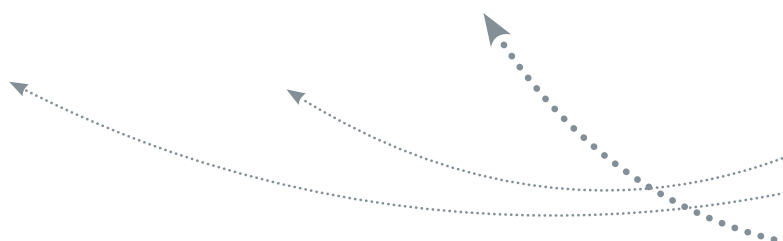
The main building of the Graz-Karlau Correctional Facility was constructed in the sixteenth century under Archduke Karl II as his summer residence. Today the building complex houses Austria's second-largest correctional facility and is used to hold male detainees with sentences of 18 months to life.

The main living quarters, which consist of solitary and communal detention rooms, accommodate up to 500 inmates. Apart from the secure detention of the inmates, the main focus is on their occupation and education. This is why Graz-Karlau Correctional Facility also maintains several workshops and manufacturing facilities, as well as its own vocational training centre.

Customer's Comment

Major Derler
Administrative Director at Graz-Karlau Correctional Facility

"Commend had already proved its worth in 2004 during the refurbishment of the sick ward. During the current upgrade to the new Commend in-cell Intercom stations, the firm has again proven itself to be a competent, reliable partner."



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