

MOST INNOVATIVE SCHOOL 2012
Federal State of Salzburg

Status awarded at
25th Creative Youth Competition 2011/12



HEALTH CARE & EDUCATION / BARRIER FREE COMMUNICATION

HTBLuVA Salzburg / Case Study



2,172 students

246 teachers

81 school classes

1 barrier free communication solution by Commend

SIMPLICITY meets POWER



SECURITY AND COMMUNICATION

FEDERAL HIGHER TECHNICAL INSTITUTE FOR EDUCATING SALZBURG

Security at the push of a button



Logos: Federal Higher Institute for Educating and Experimenting Salzburg, Fiegl & Spielberger GmbH

Project Details

End Customer

HTBLuVA Higher Federal Institute for Educating and Experimenting in Salzburg, Austria

Project Partner

Fiegl & Spielberger GmbH, Austria

Project Type

Barrier free access at public school

Basic Data

Austrian Constitution, Article 7

Federal Equal Opportunities for the Disabled Act 2006

ÖNORM B1600: 2011 (Planning principles for barrier free building based on the Two Senses Principle for people with mobility impairments)

OIB Directive 4 "Safety of Use and Universal Access"

Technical Data

Intercom Server GE 300

Wallmount Station WS 211VDDP, incl. rain cowl, supports Two Senses Principle

Desktop Master Station EE 311AS

The Challenge

The Higher Technical Institute for Educating and Experimenting (HTBLuVA) in Salzburg, Austria was named most innovative school in the federal province of Salzburg at the 2012 Jugend Innovativ (Creative Youth) Contest. So it comes as no surprise that the school also takes the lead as some of Austria's first educational institutions to provide barrier free access for the handicapped.

Article 7 of the Austrian Constitution reads:

"No person may be disadvantaged for being handicapped. The Republic of Austria (federal, provincial and municipal governments) are committed to safeguarding the equal treatment of handicapped and non-handicapped people in all areas of everyday life."

Creating barrier free access therefore required compliance with various norms (ÖNORM B1600:2011) and legal requirements. An essential element of the solution is a multi-functional master call station at the main entrance, which provides information based on the 'Two Senses Principle', in the form of pictograms, a large call button with raised tactile labelling, and an integrated Commend induction loop module for the hearing impaired. This conforms fully with the requirements for people with visual, hearing and mobility impairments.

The **Two Senses Principle** requires information to be presented clearly so that it can be perceived through two complementary senses: acoustic information, for example, must also be provided visually for the hard of hearing. This means that the user of the pictograms receives visual information about the current system status (e.g. "Call initiated successfully", "Call in progress", "Door open", etc.). Visual information must also be provided acoustically or in the form of tactual markings for visually impaired people.





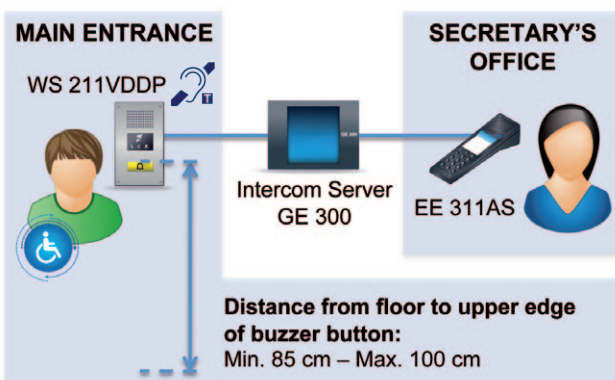
The Solution

A vandal and weather resistant call station that complies with the Two Senses Principle of handicapped support was installed at the main entrance of the HTBLuVA Salzburg. This includes, among other features:

- ▶ an Induction Loop Module, three LED illuminated pictograms with indicator symbols for "Call initiated successfully", "Call in progress" and "Door open" to support people with hearing impairments
- ▶ pre-recorded texts to keep visually impaired people informed about the current status of the call station when it is active
- ▶ an extra large buzzer button (upper edge no more than 100 cm above floor level) with tactile standard marking Bell symbol with 14 mm typeface labelling in black against yellow background (contrast level 1, with contrast greater than 50)

Pressing the buzzer button at the call station at the main entrance automatically establishes a call to the pre-programmed indoor call station EE 311AS in the school secretary's office. Automatic call forwarding to a telephone substation can be set up if needed. As appropriate, the secretary can open the entrance door by pressing button '1'.

The solution at the HTBLuVA Salzburg at a glance:



Short profile of HTBLuVA Salzburg

HTBLuVA Salzburg has been at its current location in the Salzburg district of Itzling since 1985 and offers a wide spectrum of technical education. In the school year 2011/2012, the school was attended by 389 female and 1,783 male students (2,172 in total) in 81 classes, with courses given by 246 teachers.

Customer's Comment

Dr. Herbert Kittl
Principal of HTBLuVA Salzburg



"Education must be – quite literally – open to everyone. It was therefore very important to us to ensure smooth, instant access for all our students, regardless of possible physical impairments. With the products by Commdem we have found the ideal solution to make this possible."

Project Partner's Comment

Bernhard Bachofner, MBA
Head of Sales at
Fiegl & Spielberger GmbH



"In cooperating with Commdem we have always found them to be an exceedingly professional, innovative and reliable partner. We consider these essential qualities when it comes to working together for the benefit and to the full satisfaction of our customers."

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