

# Bavarian High School Fitted with Trend-Setting Bosch Security Technology



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## Industry:

High school building

## End User:

### Hallbergmoos High School in upper Bavaria

Hallbergmoos High School is an educational site, a meeting place and a workplace for 15 teachers, more than 120 students and many participants of evening classes. The Hallbergmoos community in Upper Bavaria set a great example with their investment. The trend-setting Bosch security technology installed at the site soon proved its worth when young intruders were identified from recorded video images, allowing them to be apprehended just a few days later. Faced with such strong evidence, the culprits did not take long to confess.

## Business Objective:

The security system installed at Hallbergmoos high school should provide optimum security against intrusion, fire hazards and unauthorized access. The future-oriented and investment-proof solution should also include a video surveillance system, an intrusion and a modular fire detection system, an access management system, a voice evacuation system and a clock system.

## Solution:

The video surveillance system that provided the evidence for the recent intrusion operates with 13 vandal-resistant FlexiDome cameras and a Dibos-8 recorder.

The NZ 300 Intrusion Alarm System from Bosch uses magnetic and bolt contacts to monitor the perimeters of the school building.

The community benefits from the access management system, featuring an access control panel, with mechatronic offline brackets, proximity tokens and eight vandal-resistant readers outside the building.

A Modular Fire Panel 5000 series from Bosch with 110 automatic fire detectors and 15 fire detection controls ensure comprehensive fire protection throughout the school.

The system also controls the voice evacuation equipment in the event of an alarm. Under normal operating circumstances, the Plena Voice Alarm electroacoustics are used to ring the bell for recess and for transmitting announcements. There are 120 loudspeakers in total, spread over 14 public address zones; this allows announcements to be restricted to individual areas if necessary.



Class in Hallbergmoos

In addition, the access management system enables considerable medium and long-term cost savings: the replacement of cylinders due to damage or to keys being lost or finding their way into the hands of unauthorized parties is no longer an issue.

To ensure class times are strictly regulated, Hallbergmoos high school uses a Bosch BoLine clock system in combination with 32 slave clocks and one RF timer.

## Result:

It was not just the prompt apprehension of the young intruders that has convinced the school and community leaders of the advantages of the Bosch video technology. All of the subsystems in the security solution have been keeping the school running smoothly and securely. Andreas Niederreiter from the Hallbergmoos community is full of praise for the Bosch technology: "So far we are extremely satisfied and will definitely bear this system in mind for future construction projects."

## Installed by:

Bosch Sicherheitssysteme GmbH  
Vertriebsniederlassung München  
Robert-Koch-Strasse 100  
85521 Ottobrunn

Tel. 089 6290-1970 /-1082

Fax 089 6290-1135

[www.bosch-sicherheitssysteme-muenchen.de](http://www.bosch-sicherheitssysteme-muenchen.de)