



## CASE STUDY

# Keep children safe at school

We are upset when there is a tragedy that threatens the lives of our children. All the more so when it happens at school, where children should be safe. But the moment when pupils face immediate danger is too late to take security measures. So what should schools do to increase the safety of children on their premises?

The 2N® Helios IP Force security door intercom, equipped with a camera and RFID card reader, installed at all doors in the school is a reliable solution. All of the school's pupils and teachers receive a chip card, which when placed near the intercom opens the door for them and lets them enter the school building and various rooms inside. However, if a stranger wants to enter the building, they can't get in automatically. Using the intercom at the entry door, they must contact reception, where the person on duty verifies their identity using the telephone and camera and lets them in (or denies them entry).

And what about emergency situations or the danger of assault? All doors can be opened easily from inside even without a card, and the route out of the building is not blocked. Thanks to this everyone can reach safety without any problem. Moreover, if a person with authorised access to all areas of the school presents a danger, for example a pupil, teacher or cleaner, the institution's responsible representative can protect children by deactivating all cards and thus denying the aggressor free access to other rooms.



### Who is the 2N® Helios IP Force intended for?

- Schools,
- Universities
- Nursery schools
- Campuses

### Key advantages:

- Allows access to the building for authorised persons only
- Time profiles for different daily regimes
- Group control for emergency situations
- Monitoring access to the building, monitoring movement of individuals
- Record audio and video from the intercom for future use
- Link to other security and attendance systems in the building
- Simple installation and incorporation into the existing LAN network in the building

## Selected features:



### Public address system

Public announcements in a building or complex of buildings can not only be made through speakers in the ceilings, but also through 2N® Helios IP intercoms. Using multicast, they can be simply connected to an IP based PA system in the building, which means cost savings for you when installing a sound system in remote localities.

#### Practical use:

Announcements using the 2N® Helios IP intercom can also be heard, for example, by people at the entrance to the building, which gives them the opportunity to react to the announcement immediately. This is a clear advantage in case of emergencies or urgent announcements.



### Group control

You can designate one or more 2N® Helios IP intercoms as the control unit and the other intercoms as controlled units. Then by simply swiping your card on the control unit or by entering a numerical code or a combination of the two, you can order all intercoms to lock or unlock doors or play audio.

#### Practical use:

By calling the selected intercom and entering the code, you can unlock all doors in the building in case of evacuation.



### Time profiles and lock control

The time profile function allows you to restrict calls to selected telephone numbers and define the validity of access codes or RFID cards using a weekly calendar. You can also control all locks and easily configure permanent opening of doors when the time profile is valid.

#### Practical use:

During shop opening hours, the doors can be permanently open, while at other times it is only possible to open the door using a card or numerical code. In this way customers can visit the shop freely during opening hours.



### Card reader

The RFID card reader can be fitted to the 2-button version of the 2N® Helios IP Force intercom. In addition to other features, the reader module also includes two additional relays and an interface for integration with third-party systems.

#### Practical use:

Users of the 2N® Helios IP Force intercom can use RFID cards for access to a building without having to use a key. For certain cards, it is also possible to use a time profile and thus restrict certain users' access to specific days or times of the week.



### Security relay

A simple additional device to increase security, which prevents tampering with the lock. It is installed between the intercom, from which it is also powered, and the lock it controls. It also enables the connection of a departure button to control the electric door lock from inside.

#### Practical use:

For secured buildings, it is not appropriate for cables that allow the lock to be opened to be accessible from the wall after the intercom has been removed by force. However, if you have installed a security relay, it is not possible to open the lock using the cables alone and thus gain unauthorised access to the building.



### Real time video streaming

The 2N® Helios IP Force can provide a non-stop video stream from the integrated camera to another system, which can record or process it some other way. Actual data transfer is ensured by RTSP protocol, which is generally supported by third-party systems.

#### Practical use:

The 2N® Helios IP Force can be used as a regular IP camera, which can be integrated into the security system of the building.



### 2N® Helios IP Manager

A PC application used to administer the configuration and collective settings of all 2N® Helios IP Force intercoms installed on the premises. It allows the premises to be divided into zones, to create user groups, configure access rights, manage telephone numbers, lists etc.

#### Practical use:

The application saves you time on configuration, particularly in case of large installations. You can easily manage the configuration of the entire system from a single location and synchronise changes at the push of a single button.



### 2N® Helios IP Eye

A free application that you can download on the 2N website, which allows you to display the image from the 2N® Helios IP Force camera on your PC. You can watch images from a selected intercom or configure the system so that you see the image from the camera at the moment a person at the door calls your telephone number, even before you pick up the receiver.

#### Practical use:

You see the person standing at the door before you take the call on your IP telephone. You can then open the door easily with a single click of a button in the application.

## 2N® Helios IP Family:



2N® Helios IP Verso



2N® Helios IP Vario



2N® Helios IP Force



2N® Helios IP Safety



2N® Helios IP Uni

The 2N® Helios IP family is a wide range of door intercoms for every situation - whether in security, business, emergency, or any other special area.

From providing simple applications requiring a clear and easy connection to a single IP telephone, to comprehensive communication arrangements integrated into security and signalling systems and IP PBXs. Having the highest quality and certification, 2N ensures compatibility with industry-standard-based IP network solutions such as Avaya, Cisco, and others.



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