

School

with school hall and gym

The task

A school places a variety of demands on an access control system: safeguard against risks from lost keys, multiple use of the school hall and the gym, prevention of pupils locking themselves in and violence in the classrooms.

The solution: CES OMEGA FLEX Offline / motor cylinder online

The system is programmed and managed offline by the caretaker. The central control computer is located in the caretaker's office. The caretaker programs the locking system with netbook and RF-Stick. Both the caretaker's office and the caretaker's private accommodation are connected with the central control computer via a client/server software.

Administration area

- Entrance: weather-resistant handle set with emergency mechanical key over-ride
- Unlocking in the morning: by the caretaker with a mechanical key. During the school hours, the handle set is programmed to be unlocked – anyone can open the door using the lever handle. At the end of the school hours, the handle set automatically locks the door – now only authorised persons can unlock the door with an electronic key.
In the evening the caretaker locks the door with the mechanical key for additional security
- Access to rooms with confidential data (teachers' room, secretariat): protected by smart shields, only authorised access possible
- First aid room locked mechanically, can be unlocked at any time by a teacher or the caretaker with the appropriate key
- Janitor's office: secured by an electronic double knob cylinder, can be opened solely by the janitor or his/her deputy

Main access to the teaching room wing

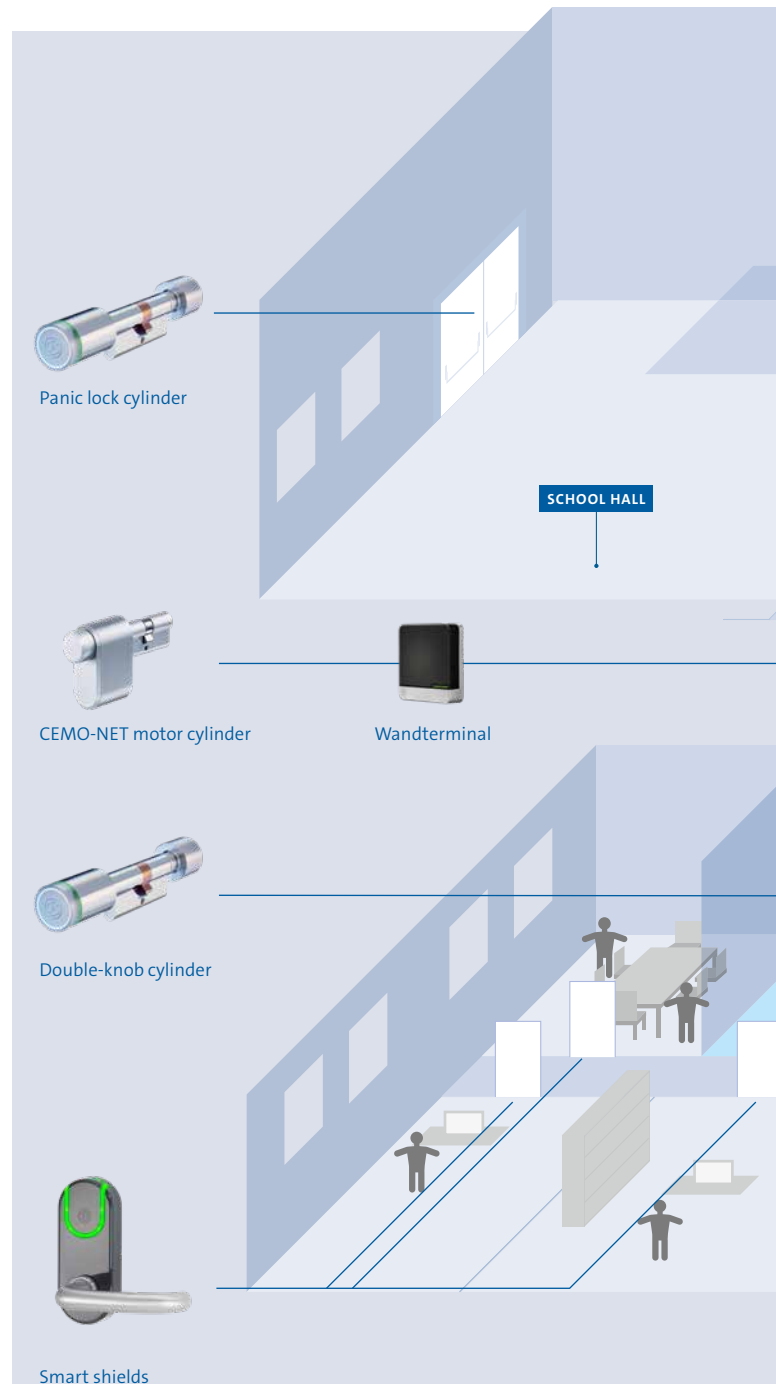
- Protected by dummy cylinder with locking assistance
- Unlocking in the morning: by caretaker or authorised teacher for the duration of the school hours
- Locking from inside: only possible with locking assistance, abuse excluded

Classrooms

- Classroom door: protected by mechanical "classroom function" knob cylinder
- Unlocking from the outside: only possible with mechanical key; door remains unlocked during classes
- Alarm situation (danger on the school premises): by a simple rotation of the cylinder knob, the door can be locked from the inside without a key; door can only be opened again from the outside with an appropriate key
- Protection against abuse (student wanting to keep the door locked from the inside): thanks to a special coupling in the cylinder, a teacher or the caretaker can disable the knob function with a key at anytime and open the door from the outside

Chemicals storage and chemistry classroom

- Connecting doors: protected by dual cylinders, can only be locked/unlocked on either side with electronic authorisation. All access events are logged, use of hazardous substances only possible for authorised persons or under their supervision
- Classroom: protection of the door with mechanical "classroom function" knob cylinder (like the other classrooms)
- Double-knob cylinder protects chemistry storage room from the corridor side



Gym

- Access: local clubs are provided with electronic ID cards with access authorization for defined times and defined locations according to the occupancy schedule
- Protection of the door by a weather-resistant handle set with Office function; unlocking for certain periods
- Trainer function: trainers have an ID card authorization that additionally comprises an Office function; this permits a one-time unlocking of the door at the beginning of the training period, door can be opened by anybody for a period of e.g. 30 minutes, and then is locked again so that no access from the outside is possible
- Emergency function according to EN 1125 supported by panic lock cylinder; door can always be opened from the inside

School hall/event room

- Entrance: protection by CEMO motor cylinder, locking/unlocking is authorized via wall terminal or remote controlled from the caretaker's office or private accommodation
- Locked/Unlocked status can be verified online at any time
- Emergency exit: protection by panic lock cylinder for an emergency exit door according to EN 1125; door can be opened from the inside at any time, from the outside only with an authorized locking medium

