



Project reference:  
Schools in the city of Düsseldorf  
use the eCLIQ electronic  
master key system

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The optimal solution  
is an IKON brand  
product..

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# Schools in the city of Düsseldorf use the eCLIQ electronic master key system



The digital eCLIQ  
master key system is  
installed at more  
than 30 locations in  
Düsseldorf and is being  
expanded constantly.



## Characteristics

Project:	Schools in the city of Düsseldorf (responsible: Office for Schools and Education of the city of Düsseldorf)
Category:	Education
ASSA ABLOY components:	eCLIQ electronic master key system of the brand IKON with more than 7,200 cylinders and over 4,700 keys
ASSA ABLOY partner:	Steinrück GmbH & Co. KG, Düsseldorf

## The challenge

In 2015, the city of Düsseldorf launched a large-scale school construction initiative to improve the educational infrastructure in the state capital. Since then, many school buildings have been renovated, converted and expanded as part of the modernisation of the school infrastructure. A number of new buildings have also been built. Here are two examples: Friedrich-Rückert-Gymnasium Düsseldorf is a full-time grammar school in the north of Düsseldorf. Founded in the early 1970s, the European School with a focus on languages is now attended by around 700 pupils. The Lore-Lorentz school, on the other hand, is a vocational college with a vocational grammar school. Students are taught in a building that

has been built to passive house standard and is regarded as the district's most modern school building.

A locking solution that meets the requirements of modern school operations had to be found for the city's schools. Rooms with a wide range of uses, such as general classrooms, profession-specific rooms (such as carpentry, printing, kitchens, photo studios, dental technician and optician's laboratories), administrative rooms (such as teacher's rooms, offices, meeting rooms), canteens, halls, garages, sports halls as well as numerous ancillary rooms (teaching material rooms, etc.) had to be fitted.

## The solution:

The Office for Schools and Education of the city of Düsseldorf opted for an electronic eCLIQ master key system from the IKON brand as the core of security technology. eCLIQ is easy to use and program, as the system administrators do not have to start each locking cylinder individually to replace batteries, for example. The power supply and communication with the cylinder are conducted via keys and programming keys only. In addition to its compact design, the electronic locking system is characterised by robust, durable and secure components. For example, the locking cylinders have no protruding elements

and therefore no attack surfaces for potential vandalism.

Access authorisations can be issued, deleted or changed in a short time by simple reprogramming via the company's own management software. In case of key loss, authorisations are withdrawn very easily and the risk of misuse of illegal duplicate keys is minimised when changing users. Teachers and other employees can upload the authorisation profiles to their respective keys via wall terminals.

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