

# Press Release

STOCKHOLM, DECEMBER 2021

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## Fresh air in schools increase well-being and learning



**In many schools, rooms are ventilated only when the weather is good or if the air quality is noticeably poor. This is often insufficient. A needs-based supply of fresh air can increase learning ability by at least 15%. Natural ventilation can also reduce the spread of seasonal diseases in schools. Natural ventilation products and solutions from GEZE help increase the indoor air quality, which improves the well-being, the health and the learning.**

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Most often, we only notice poor air quality when it is too late. Efficiency and concentration drop and people become sleepy or get headaches – due to excessive concentrations of CO<sub>2</sub> caused by people breathing. The situation is exacerbated by pollutants which can be emitted from furniture or carpets. Seasonal diseases can also be minimized through sufficient ventilation. Typically, ventilation is often insufficient.

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### **Improve the freshness of the air with natural ventilation solutions**

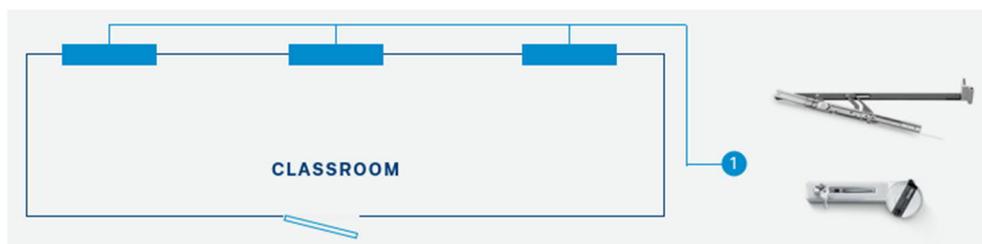
Whereas people respond well to thermal, acoustic and visual stimuli, they lack sensitivity to air quality. People primarily judge indoor air quality based on bad smells, but they get used to these smells the longer they stay in the same room and so they don't notice a reduction in room air quality. Natural ventilation and indoor climate regulation are important subjects with regard to ensuring a high air quality, especially for office buildings, school and hospitals. In addition to natural ventilation, using automatic window drives for controlled ventilation requires less energy than most mechanical ventilation systems.

### **It is possible to improve ventilation in existing buildings**

An existing school, can get an improved in-door climate by adding either manual or automatic ventilation. These can often be refurbished to existing buildings. The solution can be tailor made for the specific class room. Centralized managed systems are not needed, and each teacher can determine when the rooms need to be ventilated.

### **Manual ventilation is possible, when the budgets are limited**

With a limited budget a manual ventilation might be the best option. GEZE offers the OL 90 N drive, which is a surface mounted slimline skylight opener. The skylight opener is a perfect solution to larger rooms like auditoriums or gymnasiums, where the regular ventilation is needed to keep the air from getting stall, regardless of the specific awareness of people.



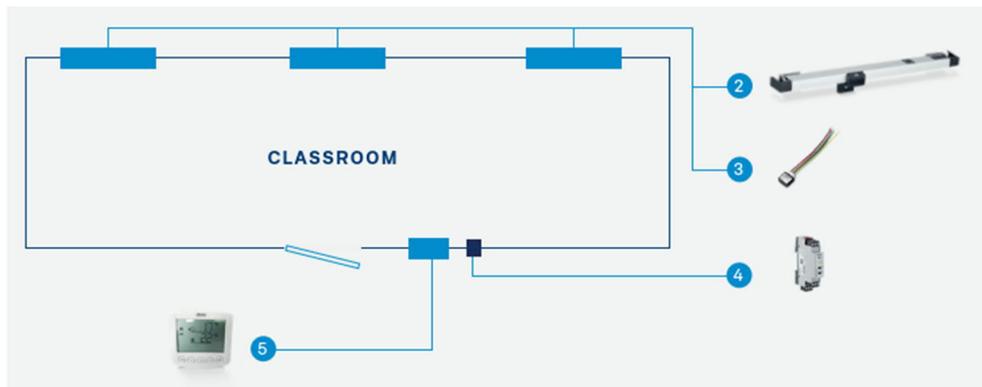
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### Automated window opening when you want to make it simple

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With a window drive from GEZE, one or more windows in the class room and auditorium can be connected to a controlled opening and closing cycle. Whether on a timed manner or manually activated by a teacher or other staff, the ventilation will become regular for the wellbeing of everyone in the school.



It is possible to combine with a CO<sub>2</sub> meter, to give the teacher the necessary information when the room needs to be ventilated. A key, for the teacher only, can be added to ensure the proper usage of the automated windows.

### Possible to integrate the complete school, when you want the highest control

You can also integrate GEZE window drives into a building management system. In this way, it will be possible to control and schedule all the class rooms in a school. If you want to ventilate all the class rooms before the students come-in in the morning, or during a lunch break, then it is possible to control easily. In a central control room, you can remotely open and close windows, as well as schedule the times in advance.



#### **GEZE Slimchain**

*Chain drive in an attractive design with numerous possible applications*



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### GEZE System Solutions

No matter the school size or the building formation, the drives from GEZE can be implemented easily. With little effort the building become increasingly pleasant to thrive in. The experts at GEZE are always happy to provide you with the needed technical support to find the right solution for your building.

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Additional Information: [www.geze.com/en/discover](http://www.geze.com/en/discover)

## Contact

GEZE Scandinavia AB | Marketing

Mallslingan 10 | 187 11 Täby | Sweden | TEL +45 46 32 33 24 | MAIL [marketing.se@geze.com](mailto:marketing.se@geze.com)