

FRESH AIR FOR MORE WELL-BEING

# Products & solutions from GEZE for a good indoor climate



Did you know that we spend around two thirds of our lives indoors? So of course, the quality of the indoor air has a great influence on our well-being.

**Natural ventilation and indoor climate regulation are therefore important subjects with regard to ensuring a high air quality, especially for office buildings, schools and hospitals.**

→ Stale air has consequences: An excessive CO<sub>2</sub> concentration can lead to a decline in capabilities or headaches. It is also assumed that in closed rooms there is a higher risk of virus infections through aerosols. Consequently, a sufficient flow of fresh air through ventilation is recommended. By contrast, circulating air is advised against.

→ The German Energy Saving Ordinance (EnEV) prescribes that “the minimum exchange of air necessary for the purposes of health and heating is guaranteed.”

→ Air quality and thermal convenience must be taken into account when planning buildings. Meaning: the CO<sub>2</sub> content, the temperature, the humidity and the air movement in the room.

→ **Natural ventilation with automated windows is a smart solution that significantly improves the indoor climate, consuming little energy and with low investment costs.**



**Good to know:**

A needs-based supply of fresh air can increase learning ability and concentration by at least 15 per cent. A good indoor air hygiene also reduces a possible infection risk, e.g. by aerosol.



→ **Powerchain**

The powerful Powerchain chain drive can open and close even large and heavy windows.



→ **Slimchain**

The slim and discreet look of the Slimchain opening drive integrates perfectly into the façade design.



→ **IQ box KNX**

IQ box KNX allows window drives to be integrated into KNX-based building automation systems.



Automated window drives make natural ventilation particularly convenient and user-friendly.



Smart Building: Via the IQ box KNX interface module, GEZE enables the simple integration of automated window drives in KNX environments – for intelligent interaction of window drives and sensors.



Other KNX-capable building technology components such as sun protection systems, heating control or air conditioning can be integrated into smart building management technology.

**IDEAL FOR COMPANIES, EDUCATION AND HEALTH INSTITUTIONS, AND FOR HOTELS AND RESTAURANTS**

# Good air thanks to indoor climate and ventilation solutions from GEZE

**GEZE offers window drives and smart control systems for natural ventilation. Sensors and control units are expandable and through our IQ box KNX can be integrated into building management systems.**

**We can offer you:**

- Ventilation solutions to meet your needs – from simple open/close controls of individual windows or window groups to extensive central control units and ventilation systems integrated into the building automation.
- Comfort solutions for automatic ventilation adjusted to the weather, temperature and air quality
- Intelligent smoke and heat extraction system control units that also enable ventilation functions.



**Poor air? Get in touch with us!  
Our experts will help you find the ventilation solution that suits you!**

Since the demands on indoor air controls are different in every building, these solutions are individually planned depending on the building project. Our GEZE Customer Solution Team is happy to help you with concept and planning.