BlueKit

The Energy-Efficient System for Natural Ventilation and Smoke Extraction (NRWG) for Lift Shafts and Motor Rooms

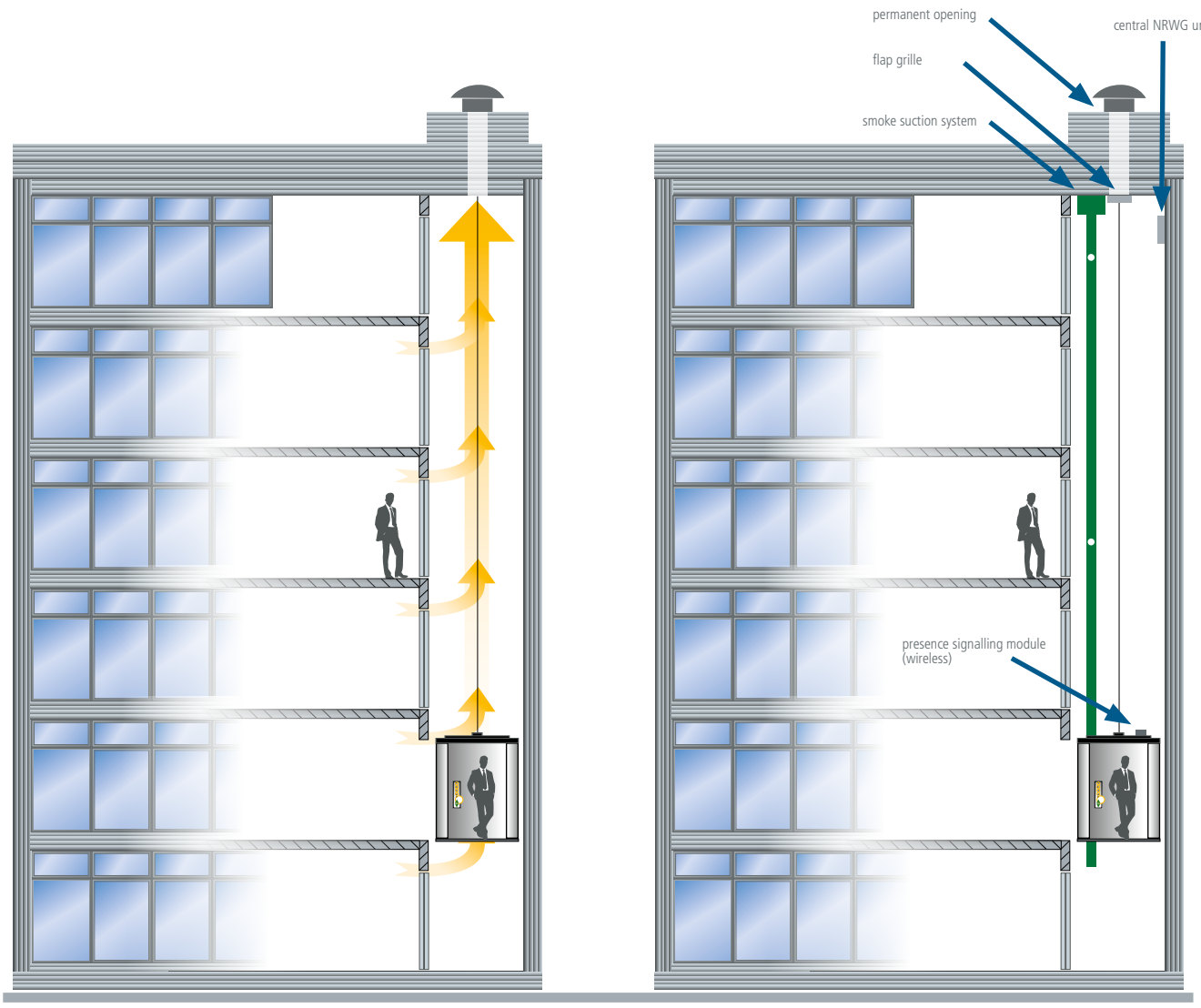
From a thermal energy point of view, permanently open lift shafts for smoke extraction and ventilation are a thing of the past due to continuous heat loss. BlueKit meets the requirements for shaft smoke extraction and ventilation in conformity with the Lift Directive 95/16/EG as well as the challenging thermal energy demands of the EnEV. BlueKit utilises presence sensors in and on the car to regulate the ventilation requirements of the lift shaft according to the needs of current building utilisation. This significantly reduces heating and air conditioning costs, while also improving air quality. This system is CE certified in conformity with DIN EN 12101-2 (natural smoke and heat extraction systems). This is why you do not need any permits from the building authorities for installation which eliminates long waiting periods and added costs for building authority permission.

Initial Situation

Heat loss due to chimney effect in the lift shaft

NRWG Solution

Illustration of the BlueKit system (modularly extendable)



Energy Efficient Products

Kollmorgen

Bluekit Short Facts

- Intelligent smoke and heat extraction-, cooling- and ventilation-system (EWAR) specifically engineered for lifts
- Engineered for the lift industry by lift component manufacturers
- Sold, installed and serviced by qualified lift companies
- Designed for new and existing buildings
- Automatic, demand-driven ventilation during lift usage, -failure and -service
- Substantial reduction in heating and air conditioning costs
- To calculate the energy saving potential of a building online visit www.kollmorgen.de
- Improved building energy balance
- Demand-driven ventilation/enhancing the air quality in buildings in terms of energy or hygiene
- Greater reliability with automatic, demand-driven ventilation function with lift utilisation/breakdown and maintenance
- Independent smoke extraction system ensures building security
- Simple binary control technology: The servo motor's spring return mechanism automatically opens the smoke outlet flaps on detection of smoke or power failure
- Actuator opens without a power supply, therefore eliminating the need for an emergency power backup
- Meets the requirements of the EnEV and the Lift Directive 95/16/EG
- Quick and easy installation with pluggable connections
- Complete installation can be carried out in the shaft
- No constructional alterations required
- Modularly expandable with optional integration into fire protection and air conditioning systems
- Use of high quality tested components of reputable manufacturers
- CE certified in conformity with DIN EN 12101-2 (natural smoke and heat extraction systems)
- No permits required from the building authorities for installation
- TÜV-certified system
- Lower operating costs = fast payback

BlueKit

TÜV MANAGEMENT SERVICE ISO 9001

VdS

CE

For more information such as technical component data sheets, assembly instructions, product information and project engineering documents visit www.kollmorgen.de

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