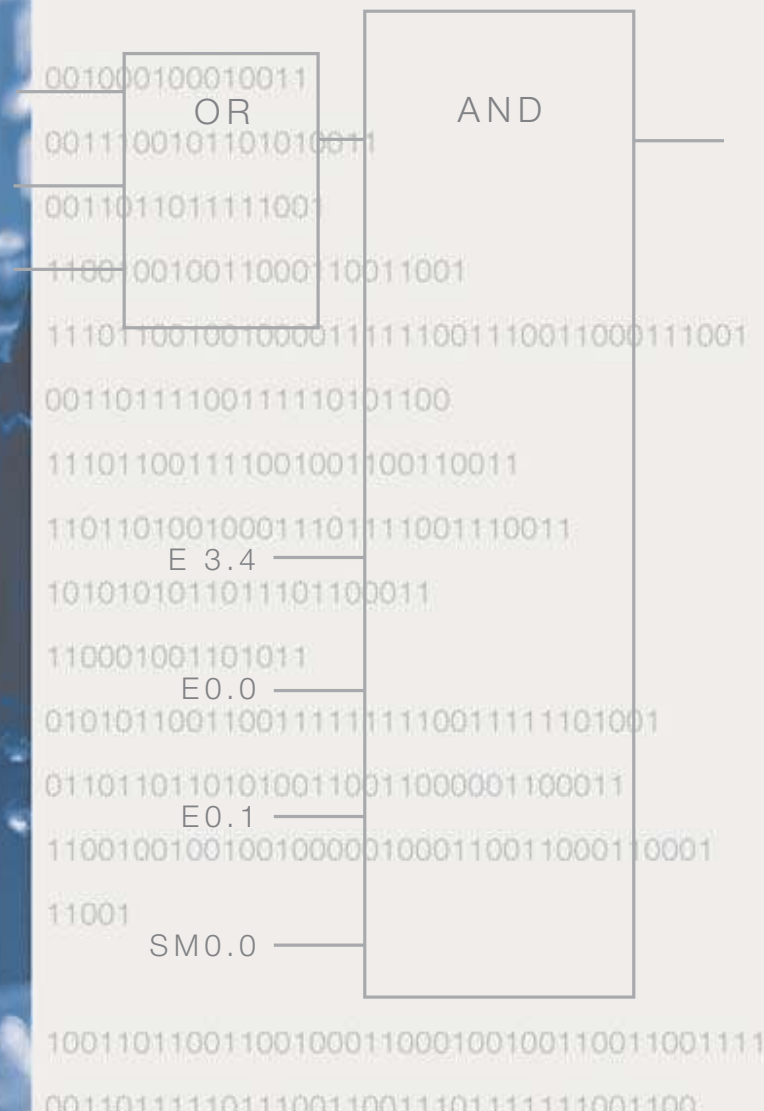




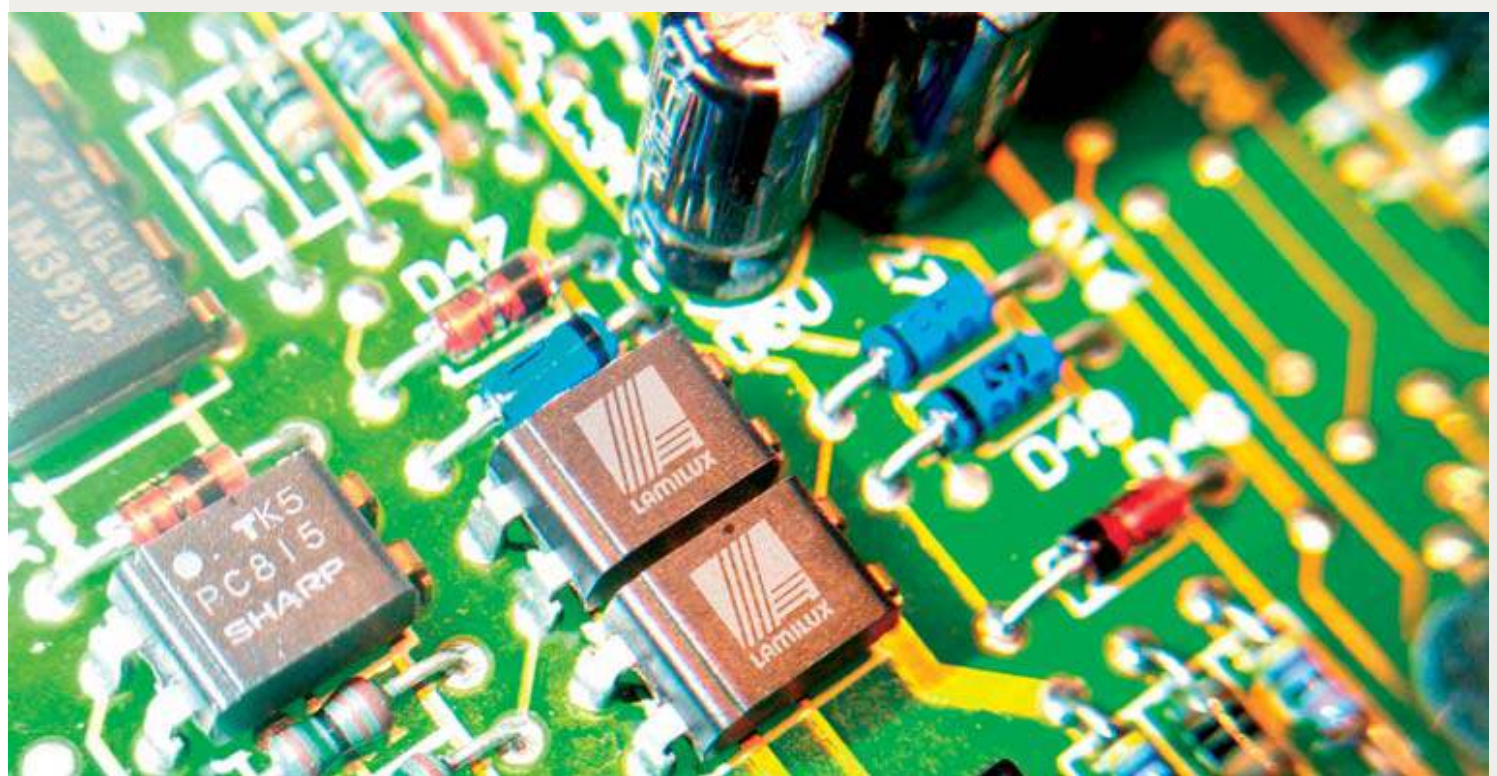
# Smoke and Heat Exhaust Systems Control technique

Complete integration into building management



*On/Off is out.*

**A complex control technique lays the foundation for the planning of large projects with smoke and heat exhaust systems.**



**We all draw conclusions from the disasters of the past:  
No effective fire prevention without smoke and heat exhaust  
systems.**

But it makes no sense to have an optimum smoke and heat exhaust system if special requirements like shade constructions cannot be realized. This also applies to problems with interfaces caused by various suppliers for different items like flaps, motors or cabling leading to a labour-consuming coordination problem.

LAMILUX is known as a producer of top quality daylight systems for the roof. It has established its reputation by means of a wide range of smoke and heat exhaust systems for all sectors of daylight technology, but also by planning and installation of the appropriate complex electric control technique for great projects and buildings.

**Experience provides impulses.**

The green light was given 14 years ago: we discovered the gap in the market, reacted and founded our own company: "LAMILUX Sicherheitstechnik" for planning and installation of electric controls.

Today, 23 specialists worldwide design, develop, plan and install complex control systems. As part of comprehensive service package we offer a complete after-sales service.

Experience benefits your interests.

## *Complex, but effective*

**You need a competent partner, who develops, plans, installs and services smoke and heat exhaust systems tailored to your building projekt ...**

**... here we are.**

The LAMILUX control technique offers you the know-how, gained from experience that is necessary to guarantee the smooth realization of large-scale projects, working on schedule and the fulfilment of all requirements of building management.

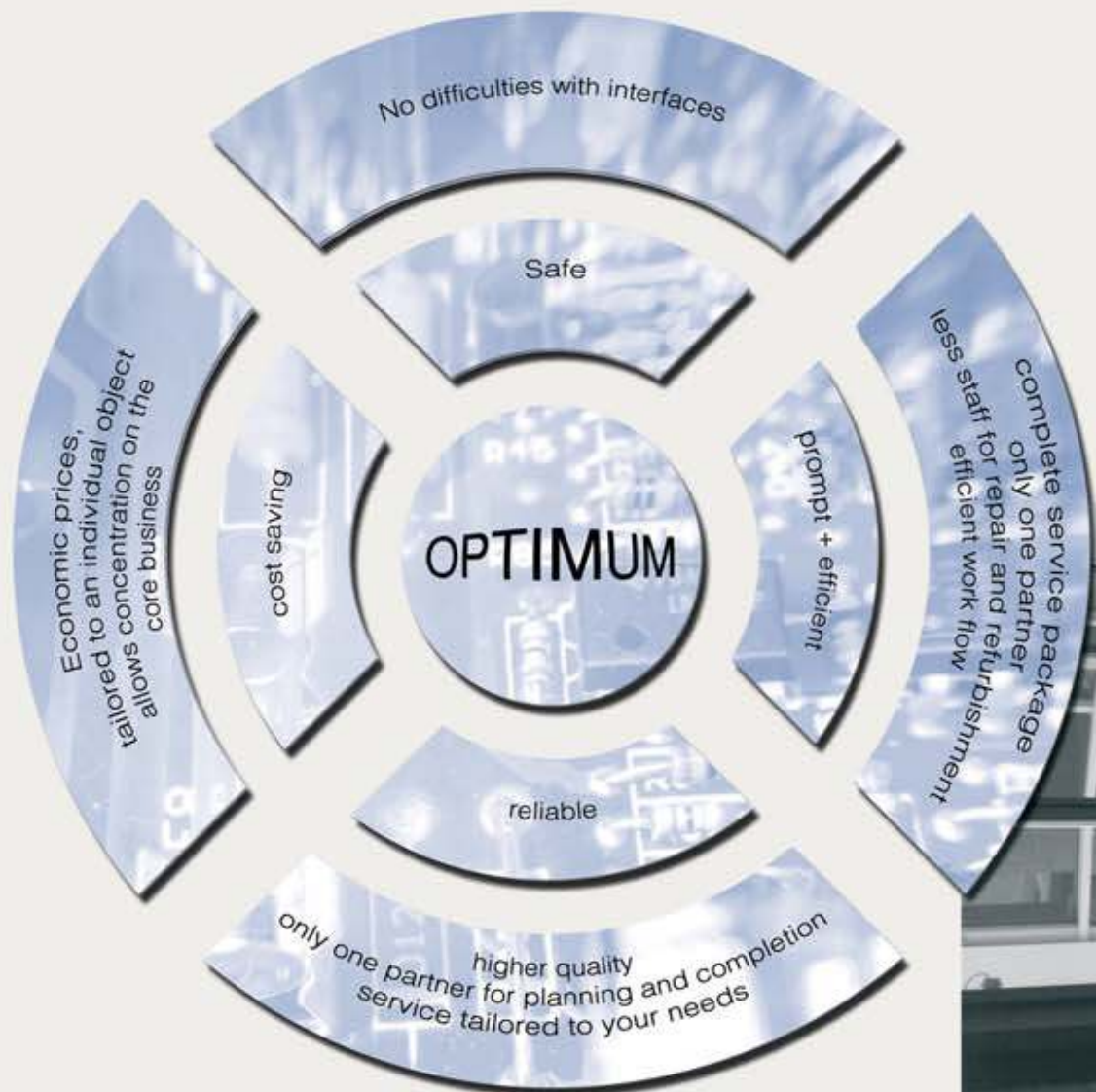
How can we integrate the smoke and heat exhaust control into the building management? How can we combine different components of a building with the smoke and heat exhaust system? Who can deliver and program control systems in the required quality with a good price-performance ratio? Who can coordinate all schedules?

Don't worry about these problems any longer!

Give us your ideas regarding smoke and heat exhaust system and we will take care of everything else.

### **Your advantages:**

- Complete supervision over the control technology (planning, installation, maintenance)
- no problems with interfaces
- one system, tailor-made to your individual object
- cost-effective solutions



## *Anything else?*

**Smoke and heat exhaust systems, equipped with a protection against sunlight, fresh air control, shade constructions and portable working platforms - LAMILUX makes it possible for you**

We are extremely pleased about the challenge to combine the controls for different components, an experience we have gained over the last 10 years - experience that leads to economic solutions.

### **An application example:**

Terminal 2 of Munich airport is equipped with controllable window blinds between the glazing walls of the outdoor section and sun sails as a protection against sunlight. Therefore, it was necessary to define three different conditions:

First, normal operation during which protection against sunlight is infinitely variable due to different positions of the sun. Secondly, the ventilation system with open glass-lamella and flaps, but half- or completely closed sails and blinds.

Last, but not least, the case of fire where the flaps have to be closed, smoke and heat exhaust system and natural air ventilation open and the sails retracted. Sixteen central control units collect and process the electronic impulses of 140 group controls at the same time.



### **The right control system to serve the right purpose.**

Whether LON (Local Operating Network) Bus Technology, EIB (European Installation Bus) controls, or SPC (stored program control) – every control technique offers advantages. We develop a control technique that is extremely efficient and economical for your specific requirements.



# All included

## We control the motion

We plan and install - including cabling - fully integrated control engineering for all areas connected with a comprehensive fire protection scheme.

Controls for:

**Smoke and heat exhaust systems**

**Input air and after streaming openings**

**Façade flaps**

**Fire protection**

**Attika flaps**

**Protection against the sun**

**Driving plants**

For realization, different driving elements can be chosen, for example chain drive or sliding shaft drive. Since we can access a variety of different solutions, we are always able to find the best possible approach tailored to your specific building project.

As registered electric subject operation and well-known specialist for smoke and heat exhaust systems, LAMILUX is the ideal partner to provide a complex control engineering with a specific problem-solving approach.

**Whether airport, fair or architectural demanding buildings, LAMILUX controls your safety.**

Munich Airport, Terminal 2 (Germany)

New Exhibition Centre Munich (Germany)

Audi Győr (Hungary)

Migros Distribution Centre (Switzerland)

Gymnasium Eggenstein (Germany)

Gymnasium Marktleugast (Germany)

Animal clinique Oberschleißheim (Germany)

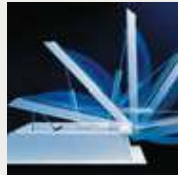
UNIQA Tower Vienna (Austria)



Are you looking for a partner, who supplies daylight systems equipped with smoke and heat exhaust ventilation systems (SHEVS) and who is also experienced with large-scale complex control engineering? Then contact us: [steuerungstechnik@lamilux.de](mailto:steuerungstechnik@lamilux.de) or call us at +49 (0) 9283/595-0.

# RANGE OF PRODUCTS

**INDIVIDUAL ROOFLIGHTS,  
NATURAL SMOKE AND HEAT  
EXHAUST VENTILATION SYSTEMS**



**DAYLIGHT PYRAMIDS F<sub>Cl</sub>  
WITH LAMINATED GLASS**

**CONTINUOUS ROOFLIGHT B<sub>Cl</sub>**



**CONTINUOUS ROOFLIGHT TYPE S**

**WINDOW WALL**



**RENOVATION**

**GLASS CONSTRUCTION**



**SMOKE APRONS**

**FRESH AIR UNIT**



**LAMILUX FIBERGLASS**

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DIN EN ISO 9001

