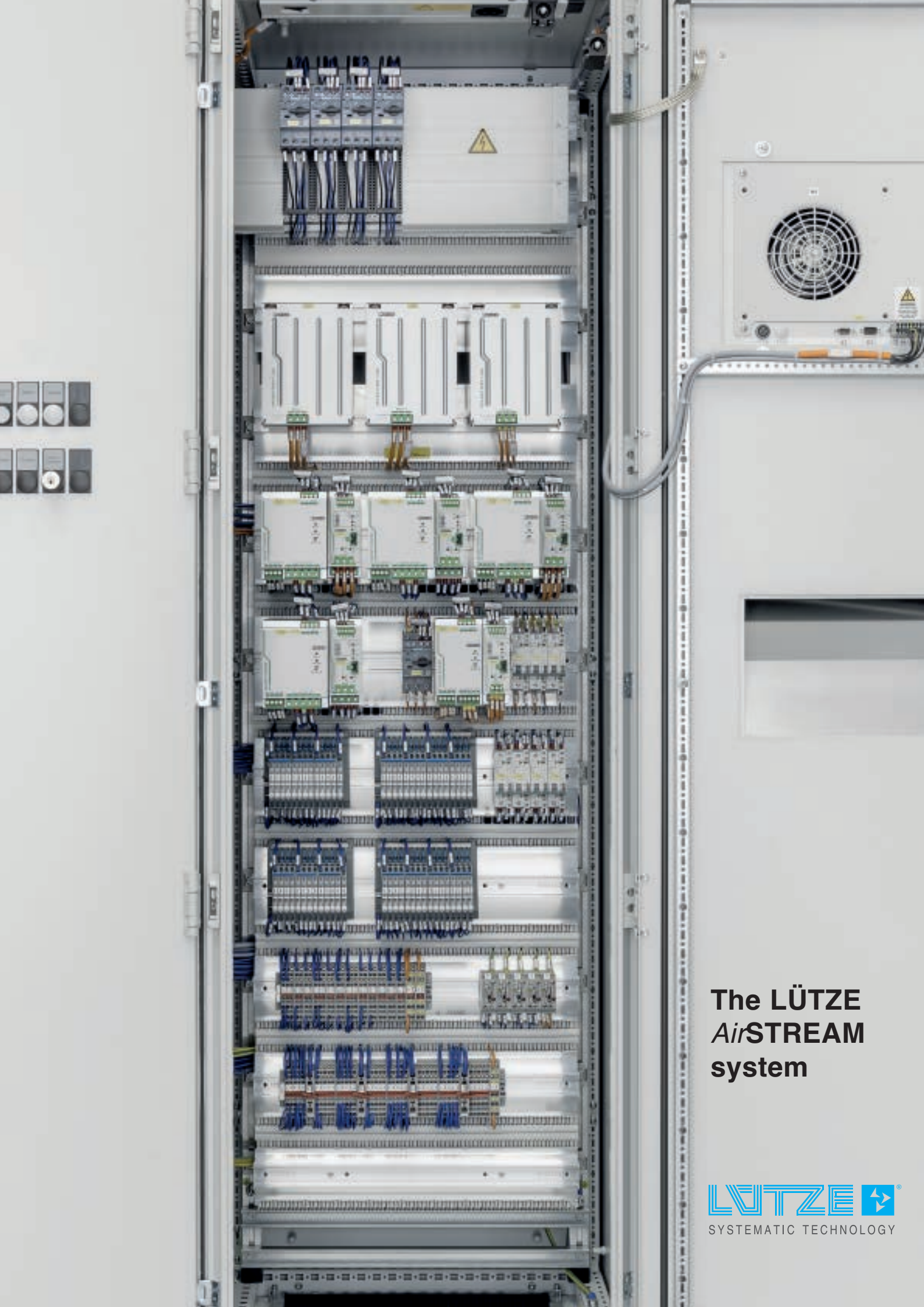

The LÜTZE *Air*STREAM system

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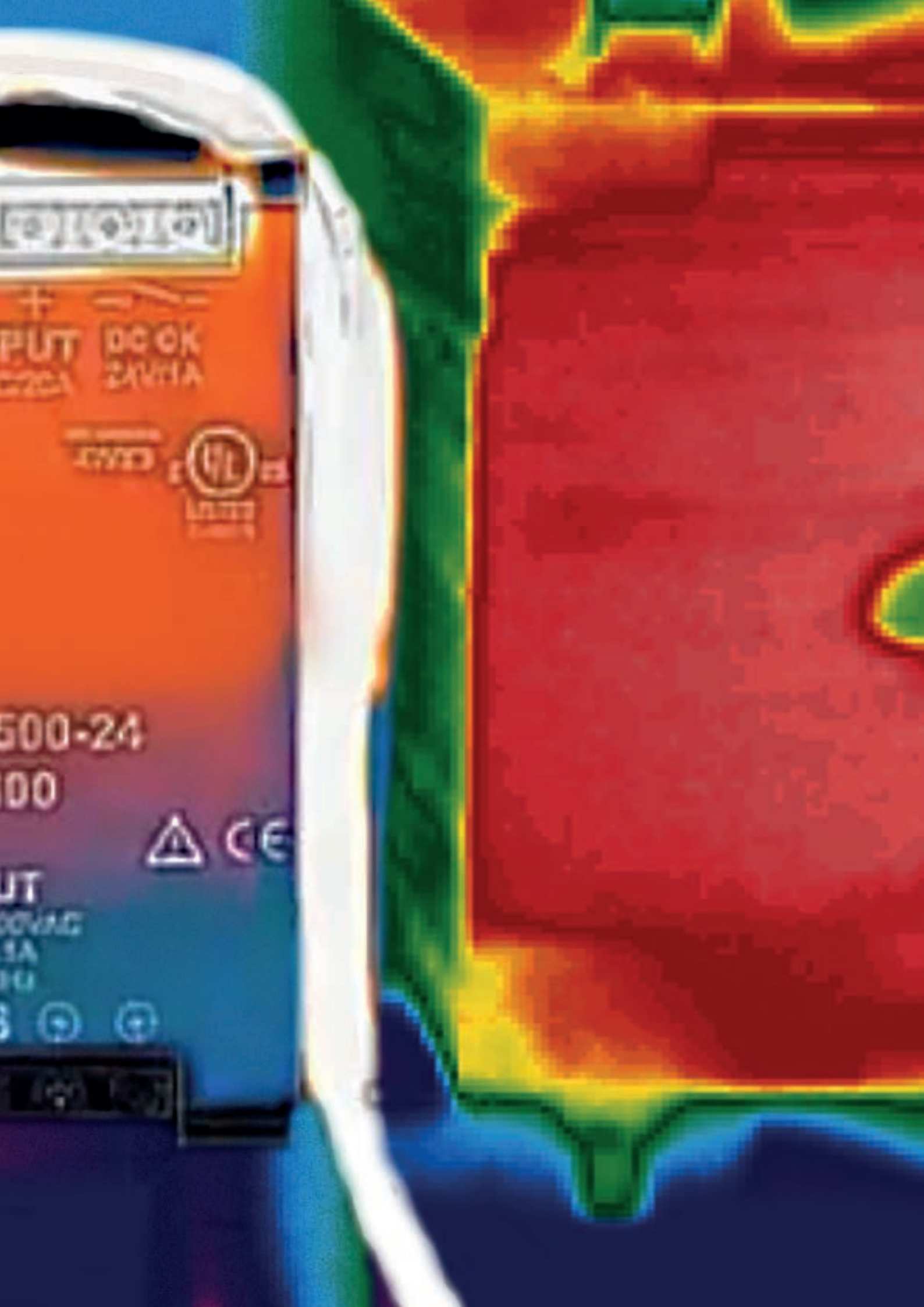
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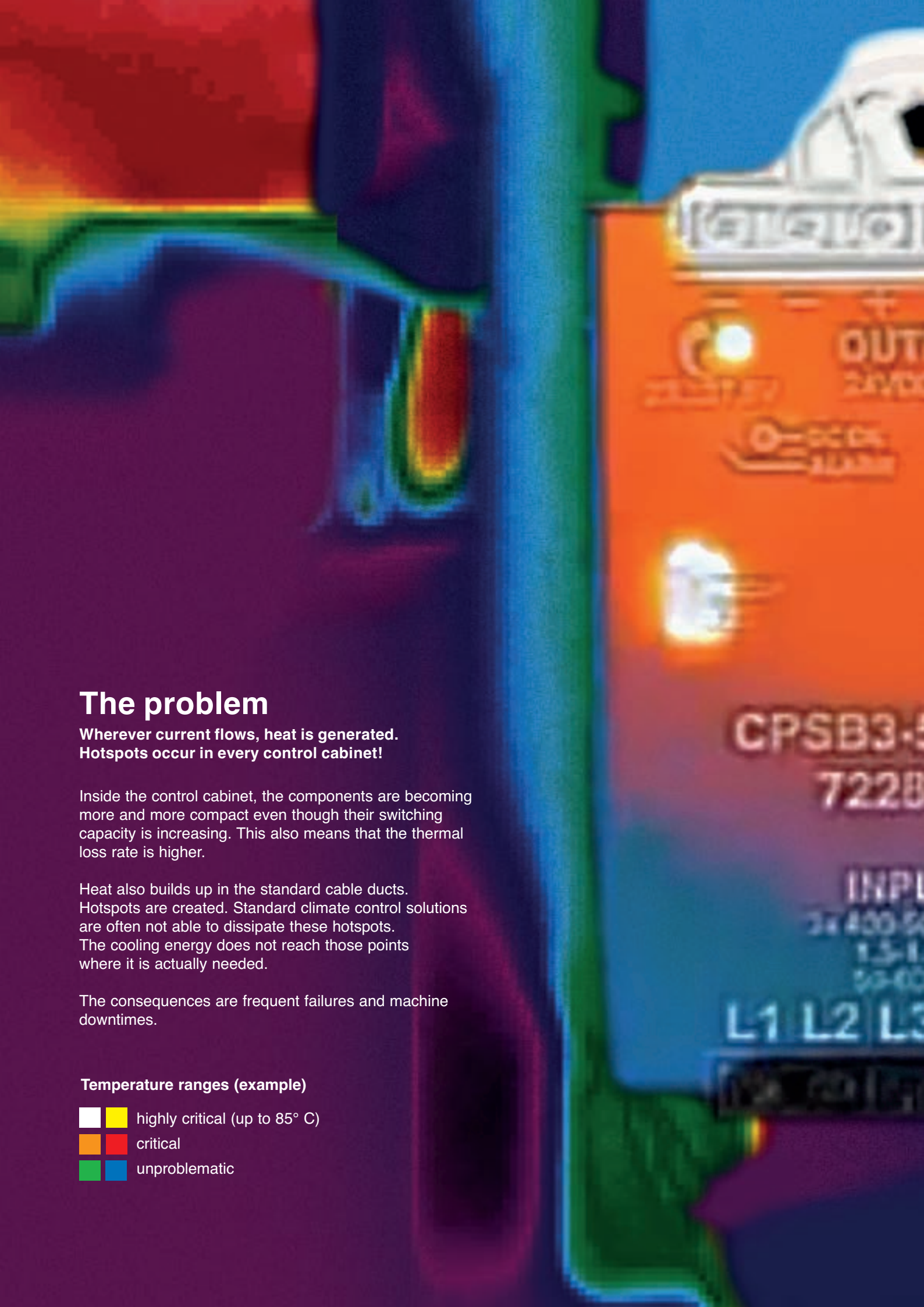


The problem

Wherever current flows, heat is generated.
Hotspots occur in every control cabinet!

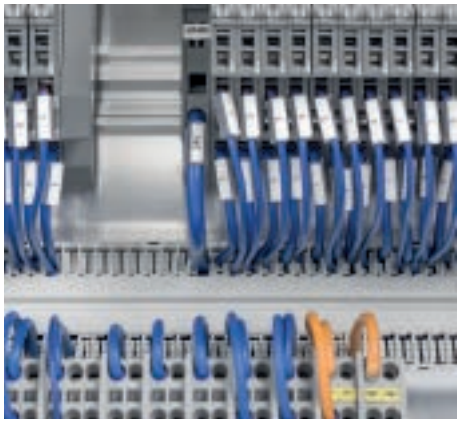
Inside the control cabinet, the components are becoming more and more compact even though their switching capacity is increasing. This also means that the thermal loss rate is higher.

Heat also builds up in the standard cable ducts. Hotspots are created. Standard climate control solutions are often not able to dissipate these hotspots. The cooling energy does not reach those points where it is actually needed.

The consequences are frequent failures and machine downtimes.

Temperature ranges (example)

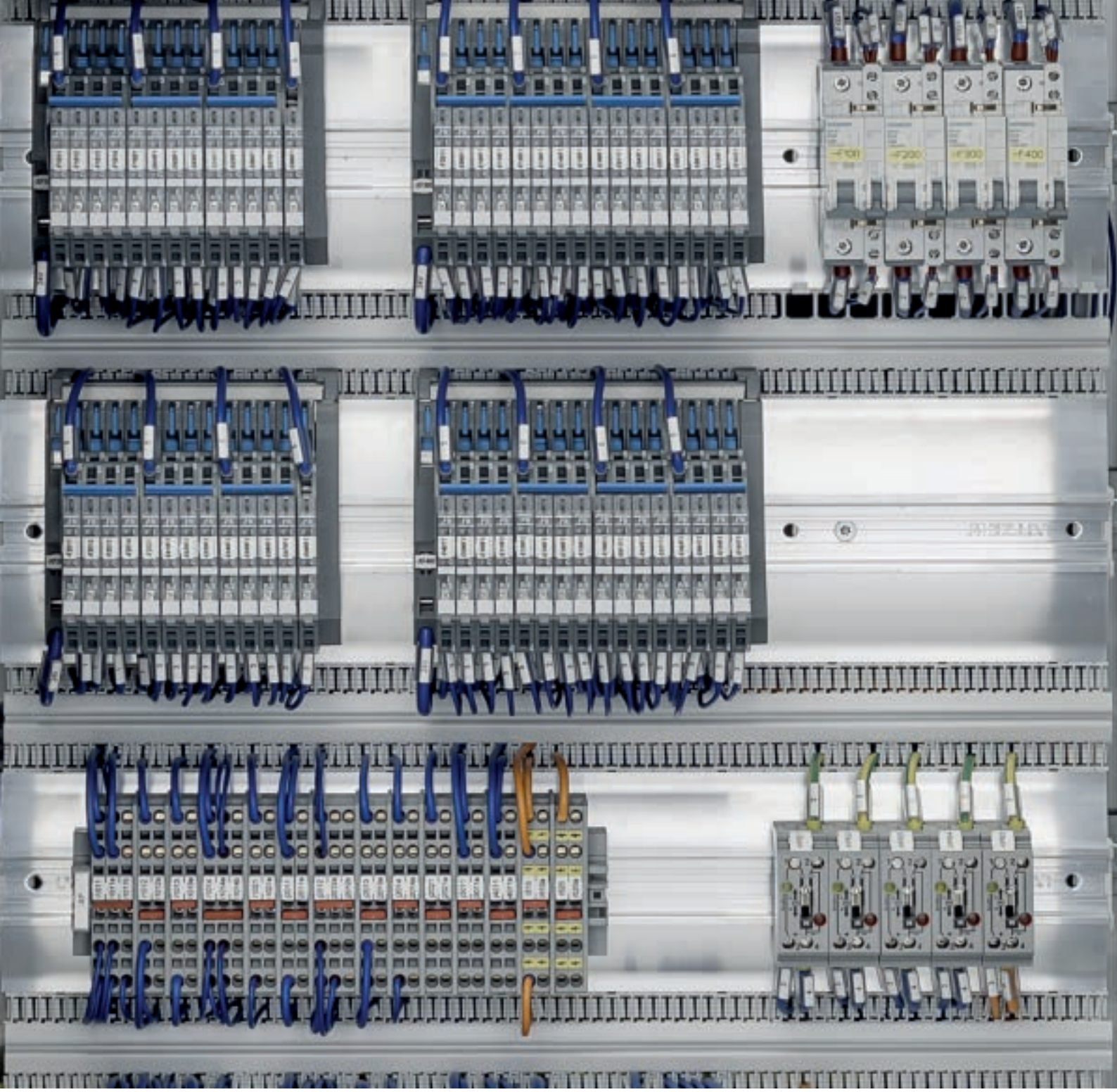
- highly critical (up to 85° C)
- critical
- unproblematic



*Air***STREAM** from LÜTZE helps to design the inside of the control cabinet so that the air circulates better and areas where heat builds up can be avoided.

The separation into an installation level and a wiring level means that the air can flow almost unhindered past modules and wires - removing dissipated heat quickly. The wiring and air guide elements are integrated into the *Air***STREAM** frame to ensure free convection and cooling of the wires. No crossing cable trunking interfere with circulation.

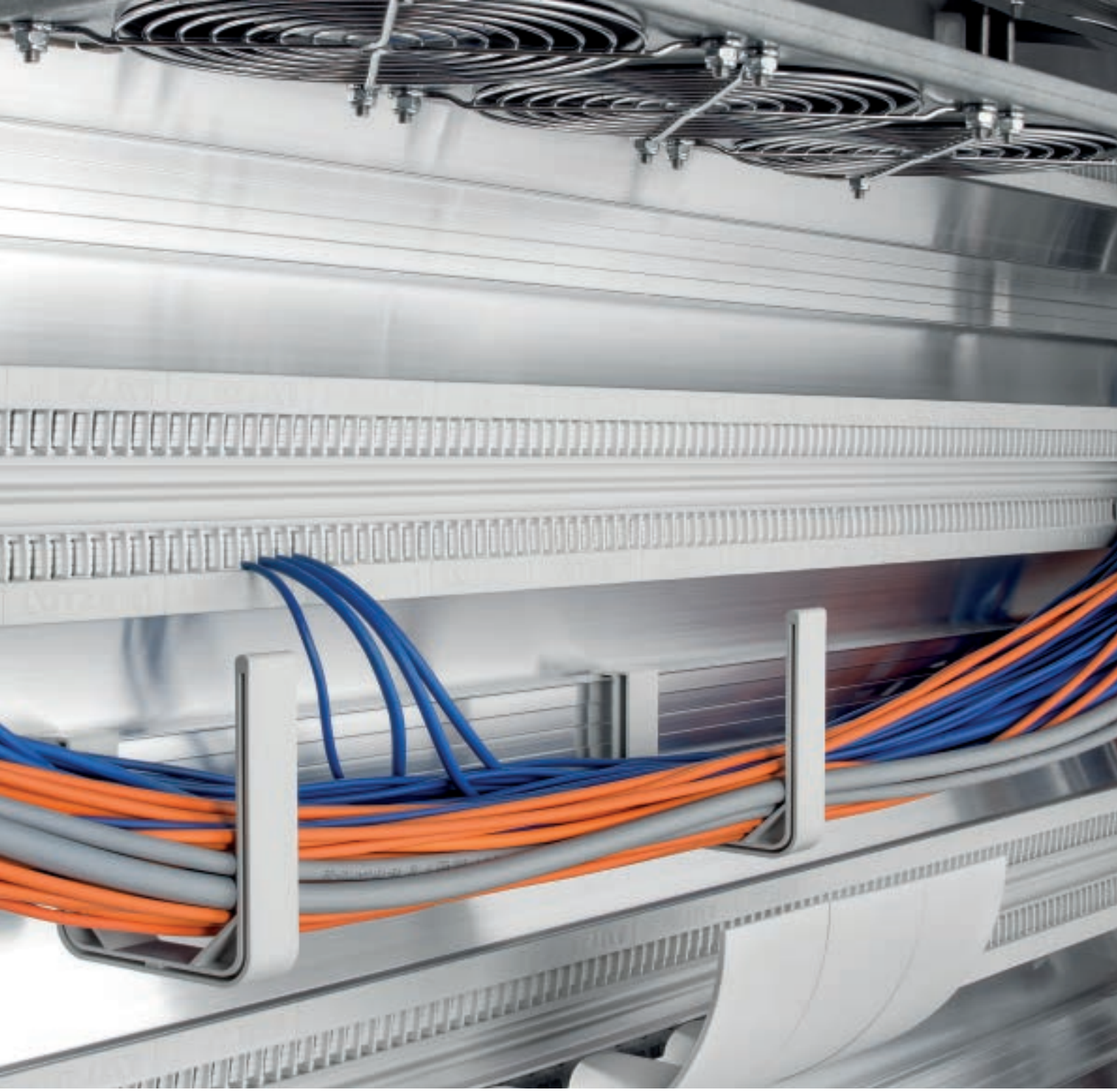
LÜTZE *Air*STREAM: The solution for many problems



Just 5 steps to design an *Air*STREAM frame
Using the web-based control cabinet configurator for the ***Air*STREAM** wiring system, the user can design a complete frame in a few steps.
The final file can be further processed in every CAD program. The ***Air*STREAM** configurator is available for use online at www.luetze.com. No additional software on the PC is required.

High-speed online control cabinet planning

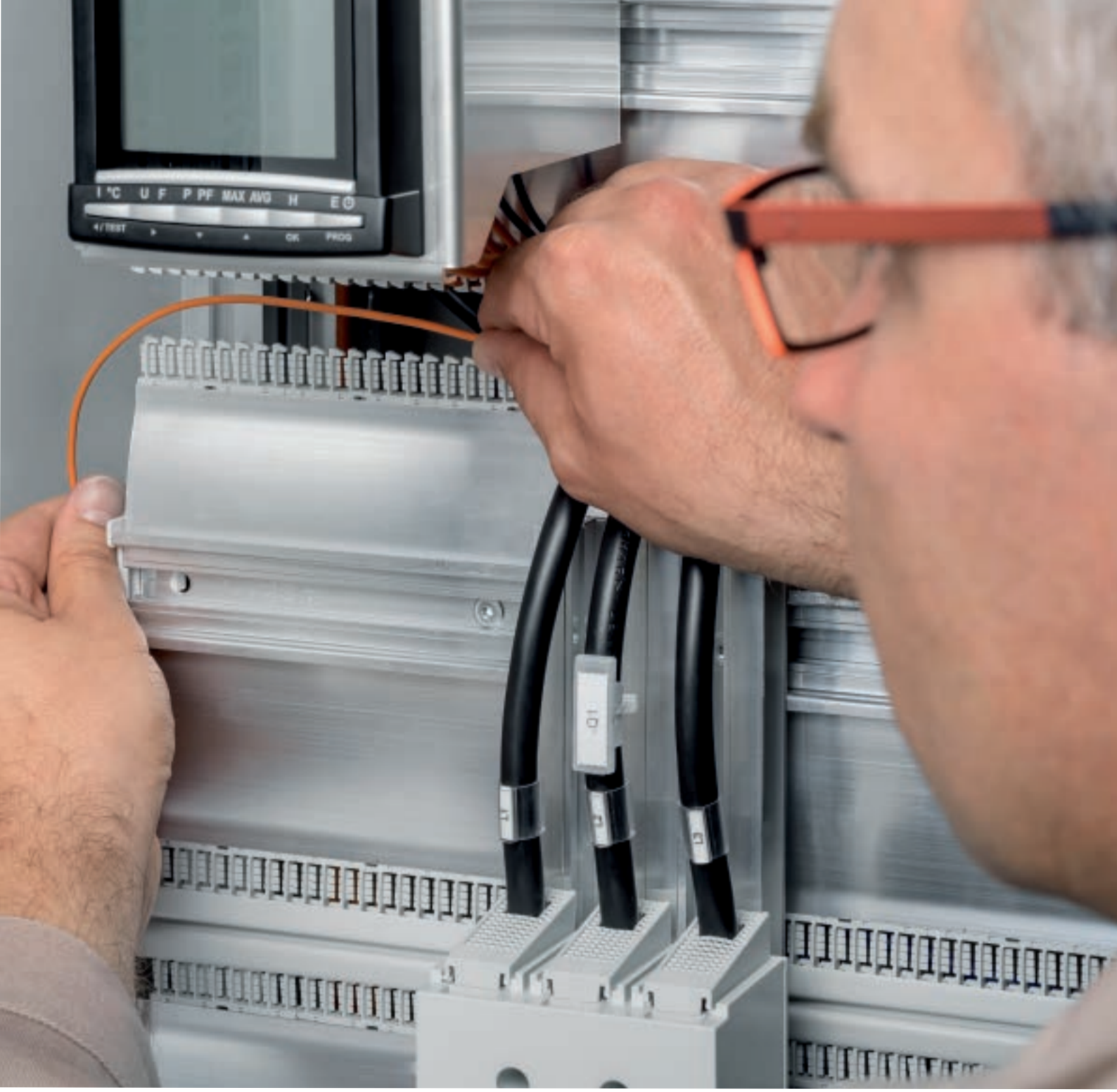
Efficient and user-friendly: *Air*STREAM online configurator

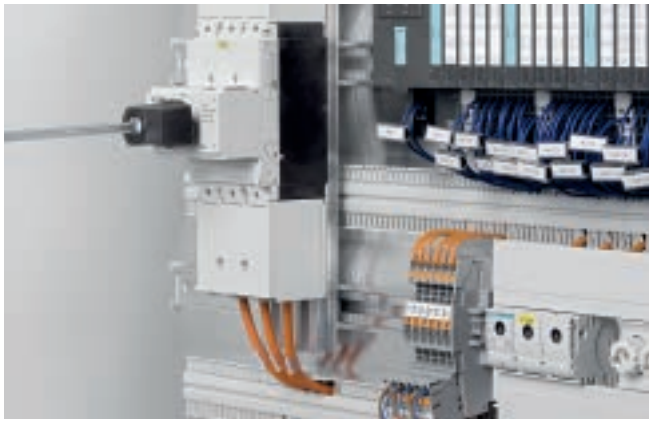


The *Air***BLOWER** is an accessory for the *Air***STREAM** wiring system for fast and reliable thermal control of the climate inside the cabinet. The use of an *Air***BLOWER** ensures that hotspots inside the control cabinet are avoided.

*Air***TEMP** is an online simulation software that helps you plan thermally optimised control cabinet projects. *Air***TEMP** enables an analysis of the heat build-up and distribution in the control cabinet more precisely than ever before!

Avoid thermal hotspots: use *Air*BLOWER and *Air*TEMP





The LÜTZE *Air***STREAM** represents a comprehensive solution for a thermally optimised and very compact control cabinet design.

Also, our customer service will help you realise any additional optimisation needs and answer any of your questions about energy efficiency and the optimum use of the space inside the control cabinet.

Every control cabinet can be optimised

SkyBLUE

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Innovations-Allianz
Green Carbody Technologies

BLUEcoMPETENCE
Alliance Member
Partner of the Engineering Industry Sustainability Initiative

Germany
Friedrich Lütze GmbH
Postfach 12 24 (PLZ 71366)
Bruckwiesenstraße 17-19
D-71384 Weinstadt
Tel.: +49 71 51 60 53-0
Fax: +49 71 51 60 53-277(-288)
info@luetze.de

Great Britain
Lutze Ltd.
Unit 3 Sandy Hill Park
Sandy Way, Amington
Tamworth, Staffs, B77 4DU
Tel.: +44 1827 31333-0
Fax: +44 1827 31333-2
sales.gb@lutze.co.uk

USA
LUTZE Inc
13330 South Ridge Drive
Charlotte, NC 28273
Tel.: +1 704 504-0222
Fax: +1 704 504-0223
info@lutze.com

Austria
Lütze Elektrotechnische
Erzeugnisse Ges.m.b.H.
office@luetze.at

Switzerland
Lütze AG
Oststraße 2
info@luetze.ch

France
Lutze SASU
lutze@lutze.fr

Spain
Lutze , S.L.
info@lutze.es

China
Luetze Trading (Shanghai) Co.Ltd.
info@luetze.cn

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