



Our passion for reliable production processes

Robust power distribution for industry



www.hensel-electric.de/en



Hensel – A strong brand

With passion and energy, we ensure safe connections, so that low-voltage electrical power is meaningfully distributed. Particular where high demands are placed on the electrical installation.

We win as a team, because every single one of us makes a substantial contribution with our commitment, actions and attitude: for our customers, suppliers and partners – worldwide.

We use our long-term solution competence to set new standards again and again.

And do so as a family-owned business - as HENSEL.



Philipp C. Hensel



Frank Dubberke



Michael Lehr



MORE THAN 90 YEARS OF EXPERIENCE

Your electrical energy powers us

Hensel is a leading, internationally operating provider of electrical installation and distribution systems for the safe distribution of electrical energy in challenging environments.

Many installation challenges in commercial and industrial buildings, in outdoor applications, in transport infrastructure systems and in photovoltaic installations are reliably solved thanks to Hensel products.

Above all, it is the electrical industry and electrical plant construction companies that use Hensel branded products and value our company's technical competence.

CUTTING-EDGE PRODUCTION PROCESSES FOR MAXIMUM QUALITY

State-of-the-art plastics processing and advanced metal and surface coating production processes are a technical requisite for our high-quality electro-mechanical products.

FAMILY COMPANY

FOUNDED IN 1931

13 SUBSIDIARIES NATIONALLY AND INTERNATIONALLY

MORE THAN 60 INTERNATIONAL PARTNERS

850 EMPLOYEES

ELECTRICAL INSTALLATION AND DISTRIBUTION SYSTEMS





INTERNATIONAL PRESENCE

Hensel guarantees local support and a high degree of availability thanks to its 4 locations in Germany, 10 subsidiaries and 60 international partners.



Efficient processes in challenging environments

The reliable distribution of electrical energy is of great importance to industrial companies. Furthermore, the shift towards process optimisation, automation and digitalisation further increases the need for safe power distribution.

And no wonder: because if power supply goes down, it will take systems offline or even cripple factories entirely.



A power-related production outage can get very expensive

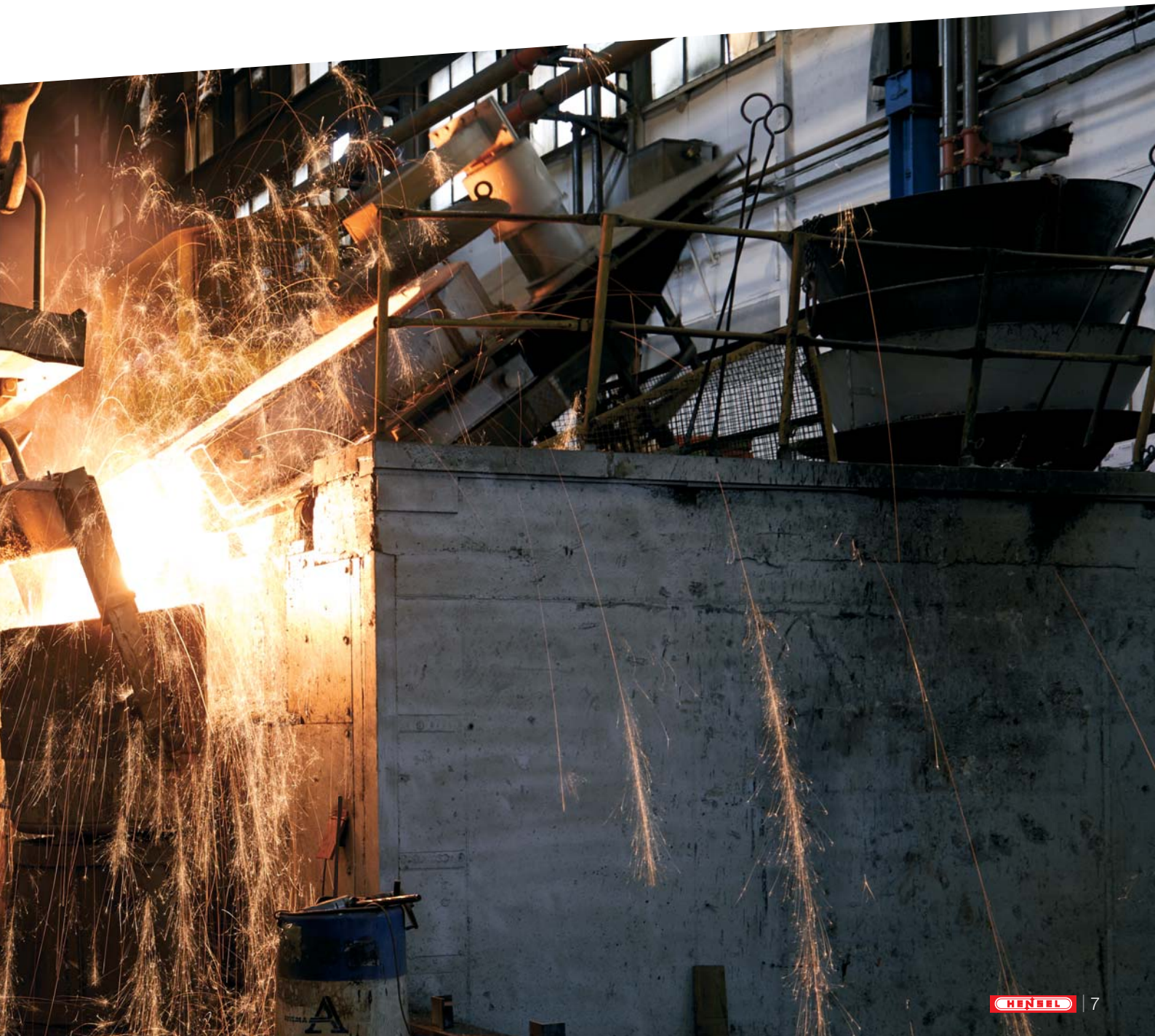
Efficient production processes require an uninterrupted power supply. Every hour of halted production results in immense follow-up costs.

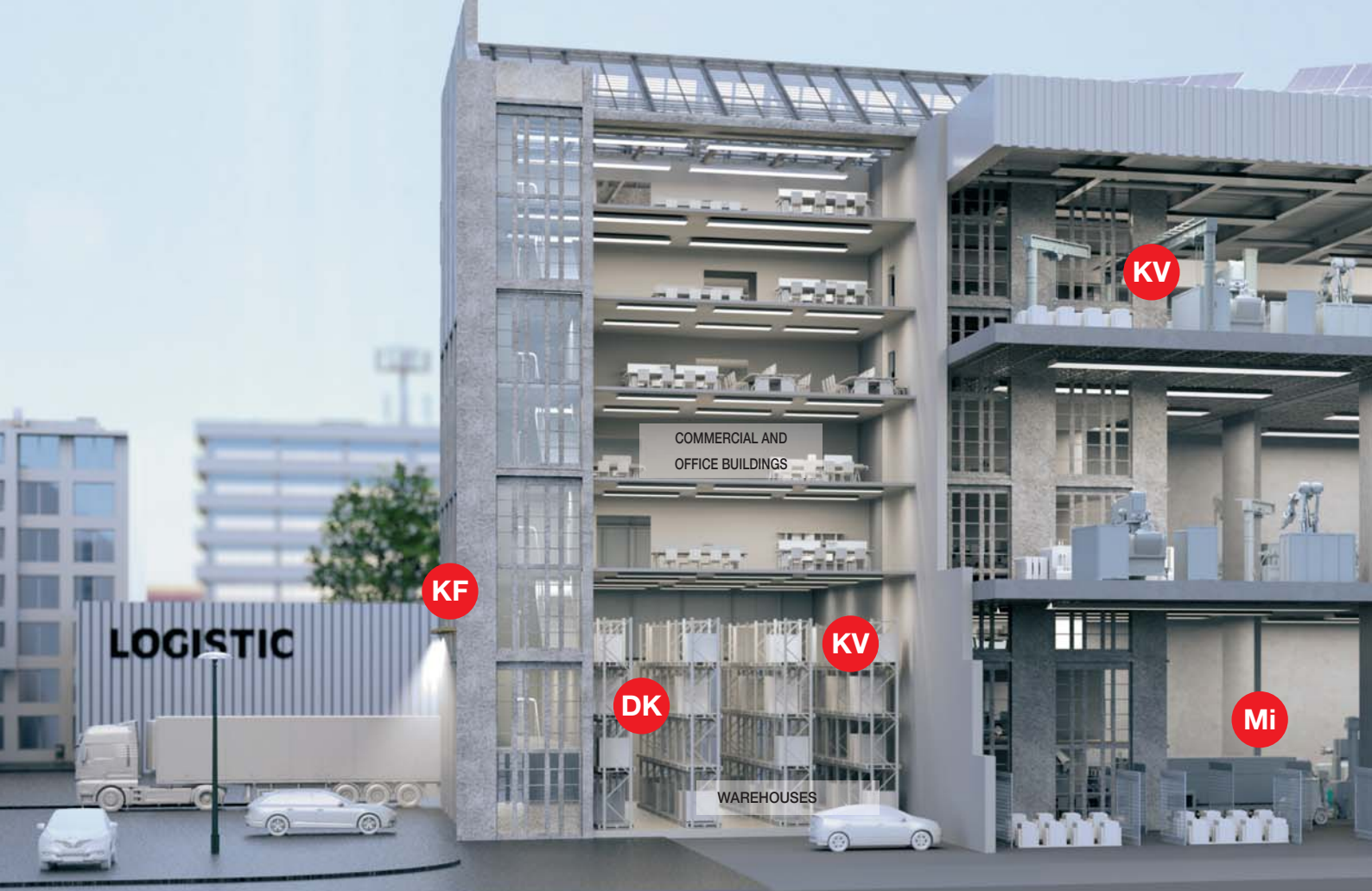
The causes cannot always be resolved immediately, and production will be at a standstill the whole while. This results in loss of production and loss of turnover.

Even if the power supply can be restored after an outage, there are some production areas which will still be offline: manufacturing systems might first need to be cleaned, repaired or restarted at great expense to time.

A power-related production outage in a paper factory, for instance, would cripple production. The paper on the roll would rip. Even when the power supply is restored, production could not be restarted immediately. The paper roll would first have to be reinstalled.

A well-planned, reliable power supply is the basis for your electrical installation systems. Be on the safe side with the reliable, standard-compliant product solutions from Hensel.





ENYCASE® Cable junction boxes



DK

For indoor and protected outdoor installation



KF "weatherproof"

For unprotected outdoor and offshore installation



WP "waterproof"

For encapsulating,
for extreme applications



FK "with functional integrity"

intrinsic fire resistance E30–E90 and
insulation integrity PH120

ENYBOARD Small-type distribution boards up to 63 A



KV

For indoor and protected outdoor installation



KV "weatherproof"

For unprotected outdoor installation



Electrical installation and power distribution systems for industrial and commercial building sites

ENYSTAR®

Distribution boards up to 250 A with doors



FP

ENYFLEX

Customized solutions and individual applications according to IEC 62208



K / KG

ENYMOD

Mi Power distribution boards up to 630 A



Mi

ENYSUN

Product solutions for photovoltaic plants



PV





INDUSTRY

At home in industry worldwide

HENSEL products are used globally in electrical installation and distribution technology, mostly in demanding environments.

With 90 years of expertise in the field, we ensure the successful, sustainable implementation of projects in industrial companies in more than 60 countries.



APPLICATIONS

Automotive industry

Special challenges

- Automated manufacturing with production lines and welding robots requires a constant power supply without interruption
- Production areas with manual work
- A reliable power supply must prevent power-related production outages

Our solution

- Hensel products comply with standards, installation requirements, guidelines and application guides
- Individual product solutions



Hensel products ensure a trouble-free production process, e. g. the KV Small-type distribution board in relation with local robots



Where production must go on

APPLICATIONS

Metal and electrical industry

Special challenges

- High degree of automation
- Durable, robust systems
- Special requirements due to varying application conditions

Our solution

- High degree of protection against mechanical load
- Hensel products comply with standards, installation requirements, guidelines and application guides
- Individual product solutions



Hensel products ensuring reliable power distribution in a metalworking factory.



Where automation
must run smoothly

APPLICATIONS

Chemical and pharmaceutical industry

Special challenges

- High degree of automation
- Staff safety
- Sensitive production processes which cannot afford to fail

Our solution

- The high IP protection class ensures protection against dust and humidity
- Chemical resistance, silicon- and halogen-free product solutions
- Individual product solutions



Mi distribution board in the chemical industry



Where every milligram counts

APPLICATIONS

Plastics processing

Special challenges

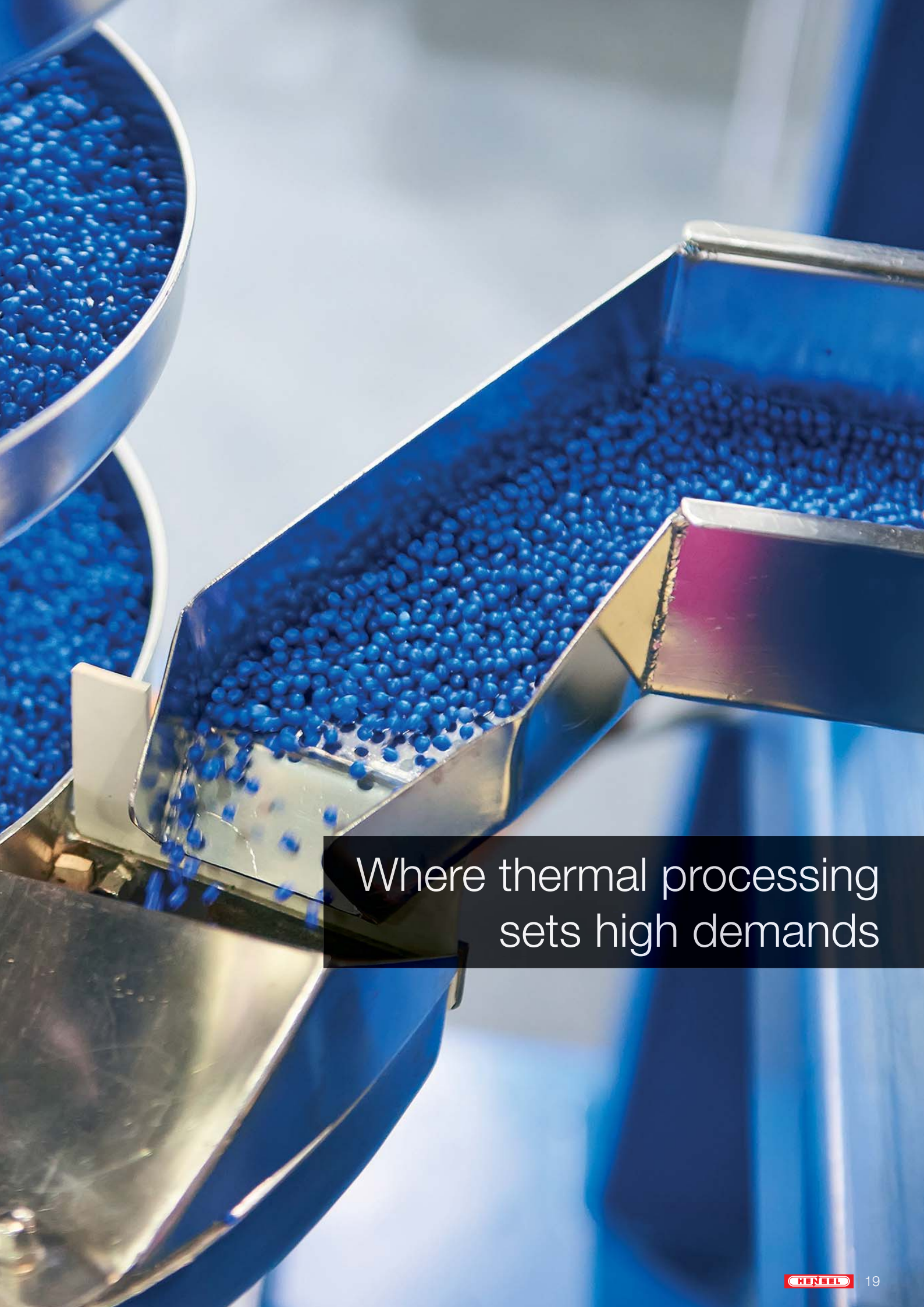
- High degree of automation
- High-performance and high-complexity machines and systems
- Staff safety
- Safe products

Our solution

- The high IP protection class ensures protection against dust and humidity
- Hensel products comply with standards, installation requirements, guidelines and application guides
- Individual product solutions



The KV small-type distribution board with FIXCONNECT® complies with all current standards and installation requirements.



Where thermal processing
sets high demands

APPLICATIONS

Mining and building materials industry

Special challenges

- Dusty and damp conditions
- Varying weather conditions, high temperature fluctuations
- Hard to access electrical systems
- Heavy mechanical loads
- Safe products

Our solution

- The high IP protection class (up to IP 69) ensures protection against dust and moisture
- High degree of protection against mechanical load
- Maintenance-free products thanks to high quality
- Electrical installation and distribution systems for protected and unprotected outdoor installation
- Ventilation inserts to prevent condensation
- Individual product solutions



The distribution boards in a zinc mining company are exposed to extreme amounts of dust and dirt.



General power supply for keeping production processes up and running in a mine in combination with a generator.

Where dust and moisture
are everywhere



APPLICATIONS

Wood processing

Special challenges


- High dust exposure through sawing work
- Staff safety

Our solution

- Dust-protected product solutions ensure reliable operation
- Maintenance-free products thanks to high quality
- Hensel products comply with standards, installation requirements, guidelines and application guides
- Protection class II ensures the safety of untrained personnel
- Individual product solutions



The Hensel cable junction box is dustproof (IP 66).

A young man in a red polo shirt is focused on guiding a large, light-colored wooden beam through a planer. Wood shavings are being ejected from the bottom of the machine. In the background, another worker in a red shirt is operating a different piece of machinery, and the factory environment with its pipes and windows is visible.

Where chips fly

APPLICATIONS

Food industry

Special challenges

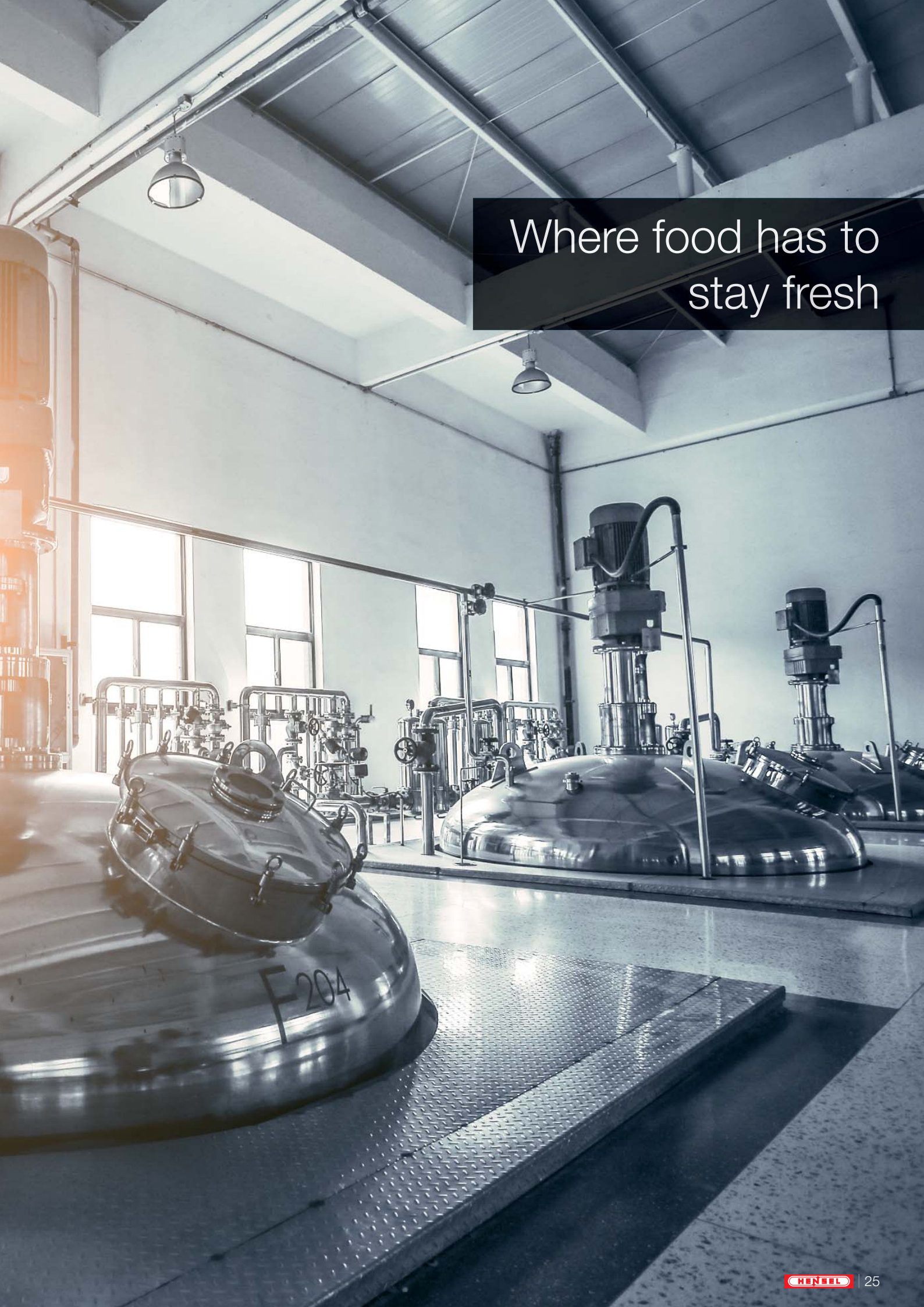
- High output through high power consumption, e.g. for cold stores.
- Fail-safe systems to ensure continuous processes
- High degree of automation
- Aggressive, dusty or damp conditions

Our solution

- The high IP protection class ensures protection against dust and humidity
- Maintenance-free products thanks to high quality
- Individual product solutions



Hensel KV Small-type distribution boards in a frozen food company in Thailand

A large industrial food processing facility with stainless steel tanks and machinery. The foreground features a large, polished stainless steel tank with a lid marked "F204". In the background, more similar tanks and complex piping systems are visible, along with large windows and industrial lighting. The overall scene is clean and professional, emphasizing food safety and quality.

Where food has to
stay fresh

APPLICATIONS

Paper processing

Special challenges

- Power supply must not be interrupted
- High degree of automation
- Production outages result in high follow-up costs

Our solution

- The high IP protection class ensures protection against dust
- Maintenance-free products thanks to high quality
- Hensel products comply with standards, installation requirements, guidelines and application guides
- Individual product solutions



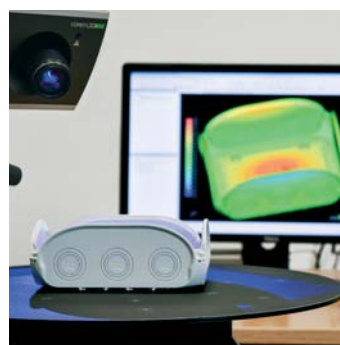
Mi distribution boards from Hensel are dust- and waterproof and can withstand heavy loads.



Where the flow cannot be broken



VDE-CERTIFIED TEST LABORATORY





MODERN TEST METHODS

Hensel stands for certified quality



Places with dusty and humid environmental conditions that pose great challenges to electrical installation require products of the highest quality for the reliable distribution of electrical power in the low-voltage range.

- Durability of plastic materials
- Tests on electromagnetic susceptibility (EMC tests)
- Fire behaviour
- Limits of temperature rise
- Functional tests
- IP degree of protection (dust and water protection)
- Impact resistance
- Temperature resistance
- Corrosion resistance
- Dimensions check via structured light projection

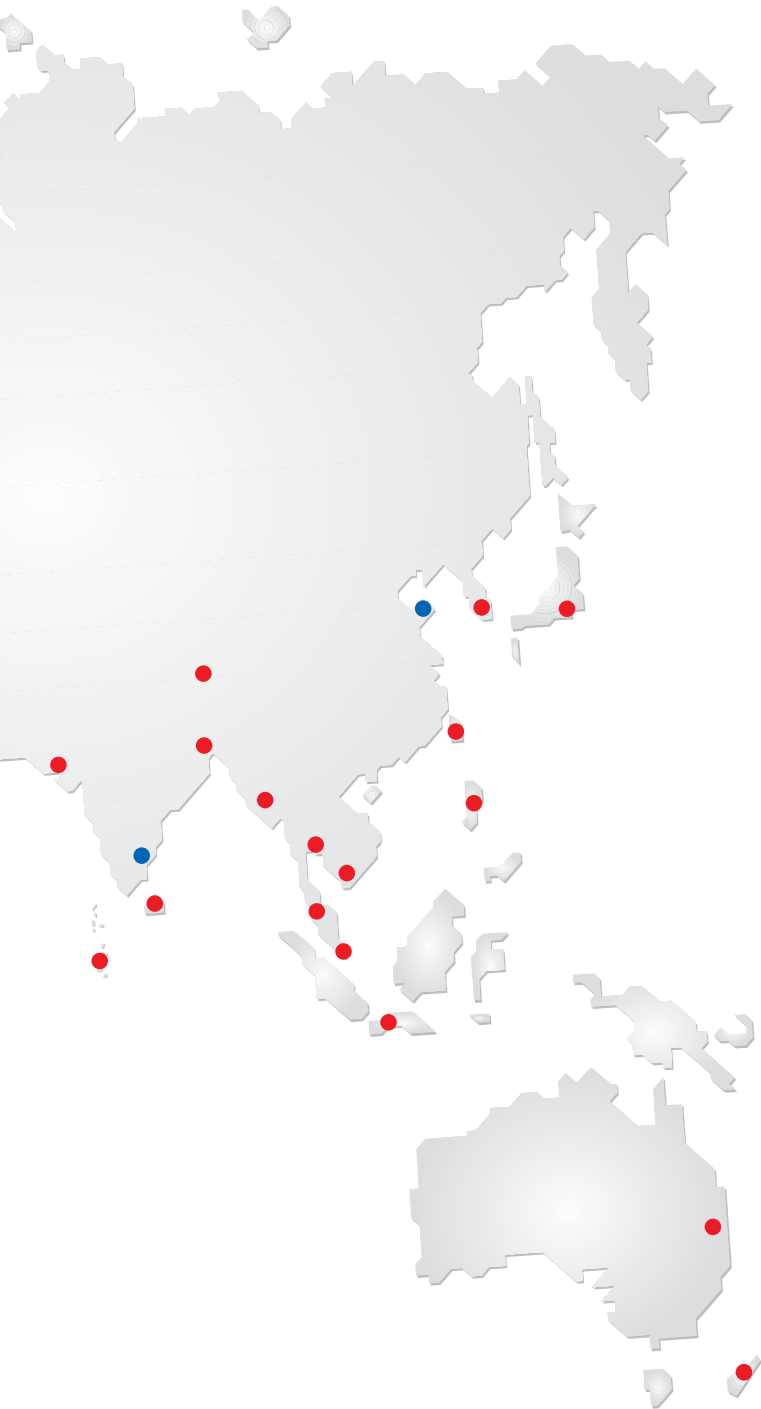
High quality standards guarantee that our partners have the crucial competitive edge:

- Certified quality standard according to DIN EN ISO 9001:2015 for all production sites of the Hensel Group.
- Lean processes and efficiently positioned for the future. Continuous optimization:
 - Lean management / Hensel PEP system
- Safe manufacturing processes:
 - Occupational Health and Safety
 - Energy management according to DIN EN ISO 50001
 - Environmental management according to DIN EN ISO 14001



Hensel maintains a close-knit network of technical field offices, distribution bases, subsidiaries and foreign representative offices throughout the world.

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