



FOR A SAFE  
ELECTRIC FUTURE.

[hensel-electric.de](https://hensel-electric.de)

**HENSEL**



## FOR A SAFE ELECTRIC FUTURE.

Electrical energy flows everywhere. It provides light, heat and movement. As a family-owned company operating worldwide, we guarantee the safe distribution of electrical energy in industry, commerce and infrastructure.

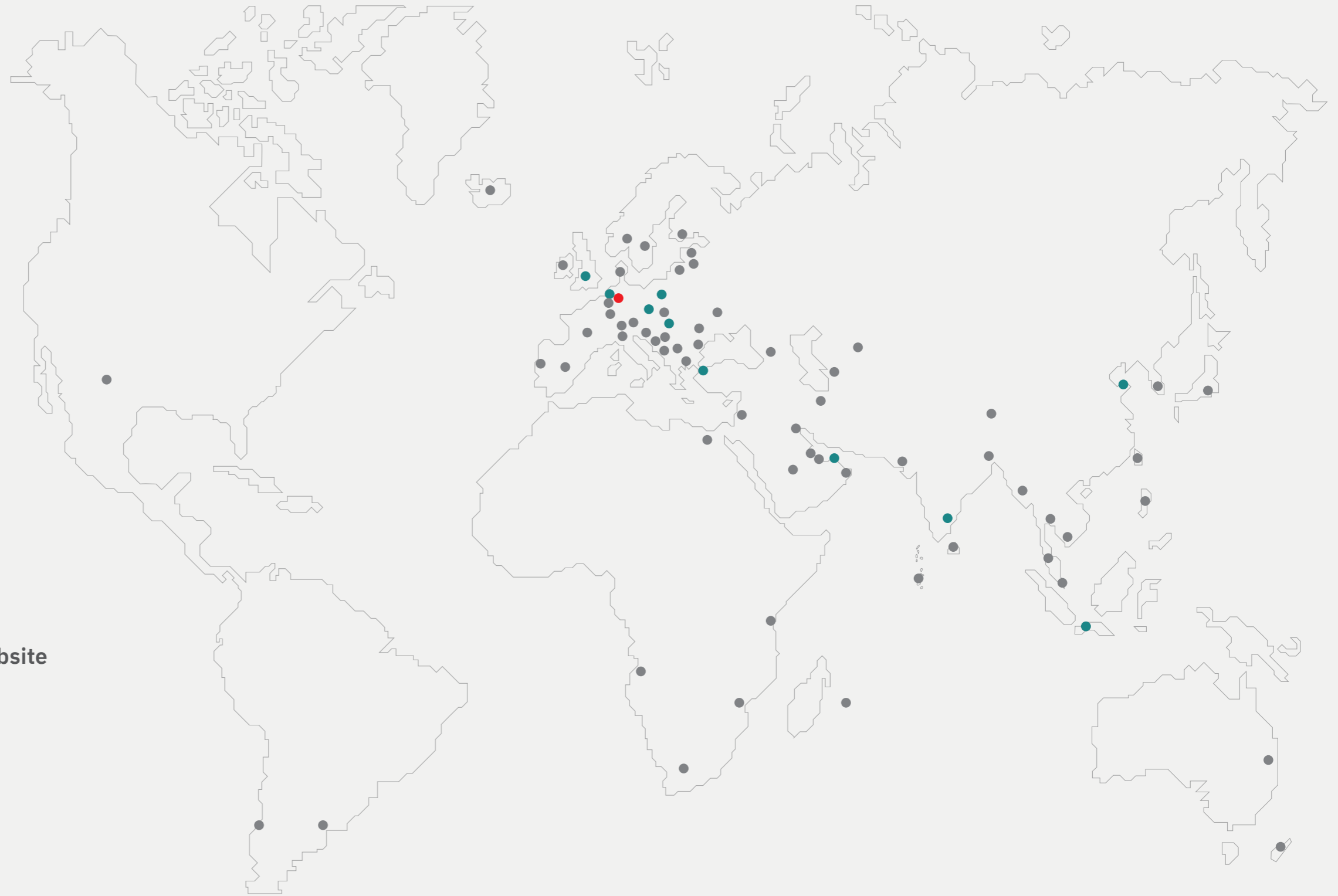
With over 1,000 employees, 640 of them in Germany, 13 subsidiaries in Germany and abroad, we have been operating successfully in the market for over 90 years. We work enthusiastically to take our products and services to the next level. Solutions for photovoltaics and e-mobility are becoming increasingly important. In this way, we are making an active contribution to the energy transition and working towards a safer electric future.



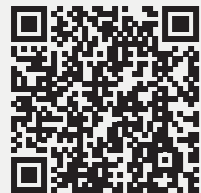


MORE THAN  
90 YEARS  
OF EXPERIENCE –  
YOUR ELECTRICAL  
ENERGY POWERS US

- Headquarter in Lennenstadt
- Subsidiaries
- Sales partners



Please scan the QR code or see our website  
[www.hensel-electric.de](http://www.hensel-electric.de)  
for more detailed information.





 FAMILY  
COMPANY

 MORE THAN 60 INTERNATIONAL  
PARTNERS

 ELECTRICAL INSTALLATION AND  
DISTRIBUTION SYSTEMS

 SINCE  
1931

 1000  
EMPLOYEES

 13 SUBSIDIARIES NATIONALLY  
AND INTERNATIONALLY

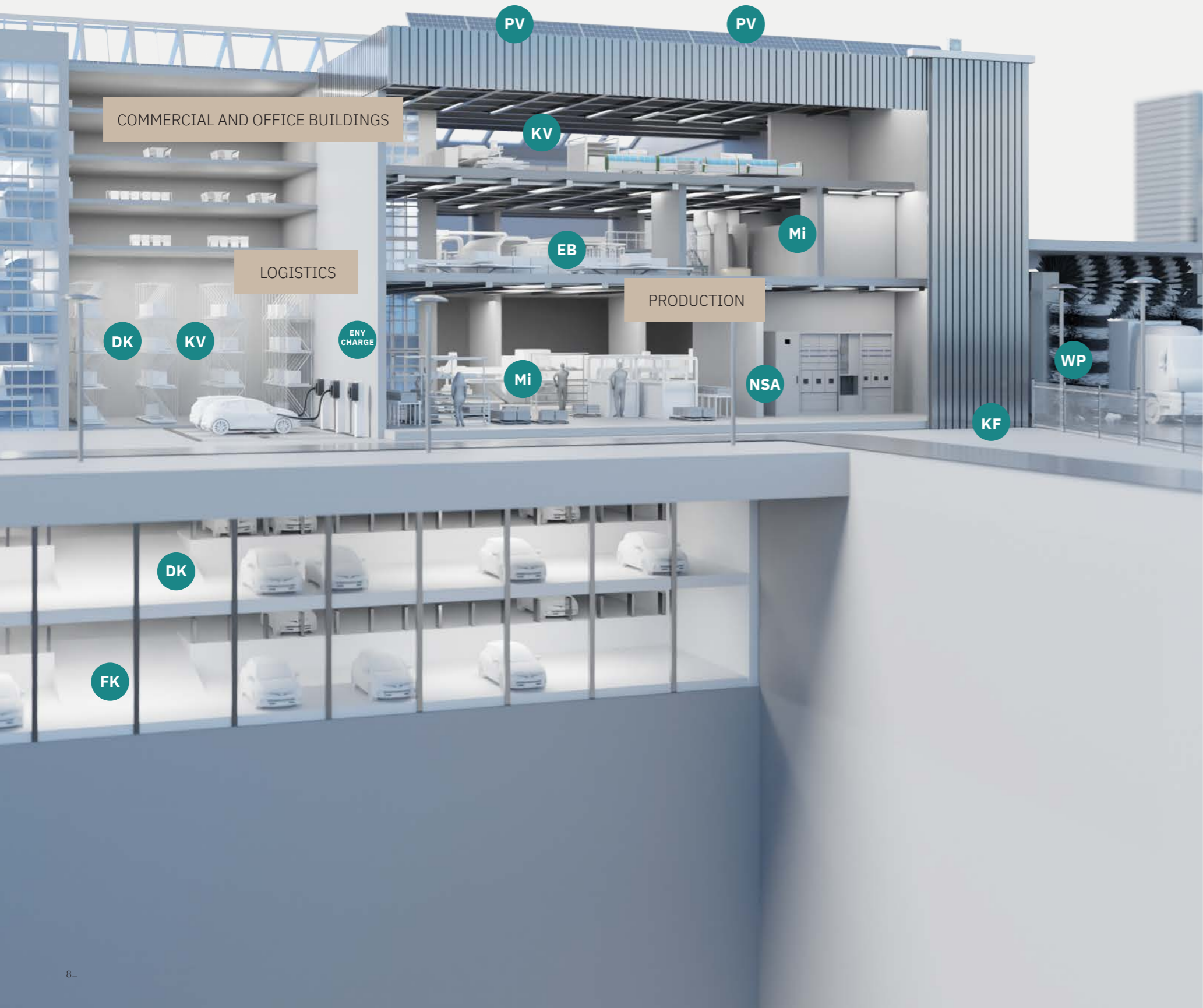


## INDUSTRY – EFFICIENT PROCESSES IN CHALLENG- ING ENVIRONMENTS

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.



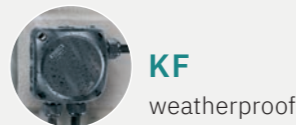
# OUR PRODUCT SOLUTIONS FOR INDUSTRIAL AND COMMERCIAL BUILDINGS AND OUTDOOR INSTALLATION



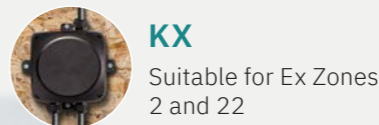
### ENYCASE® Cable junction boxes



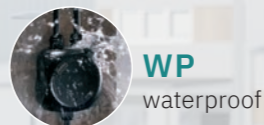
For indoor - normal environment and (or) protected outdoor installation



For unprotected outdoor and offshore applications



For use in potentially explosive atmospheres



For encapsulation, for extreme applications

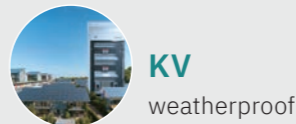


E30-E90 and PH120 insulation integrity

### ENYBOARD KV distributors up to 63 A



For indoor - normal environment and (or) protected outdoor installation



For unprotected outdoor installation

### ENYSTAR® Distribution boards with doors up to 250 A



### ENYMOD Mi power distributors up to 630 A



### ENYSUN Product solutions for photovoltaic distribution systems



### ENYFLEX Customised solutions and individual applications according to IEC 62208



### ENYPOWER Insulation-encapsulated low-voltage switchgear up to 1600 A





## SOLAR POWER – THE ENERGY OF THE FUTURE!

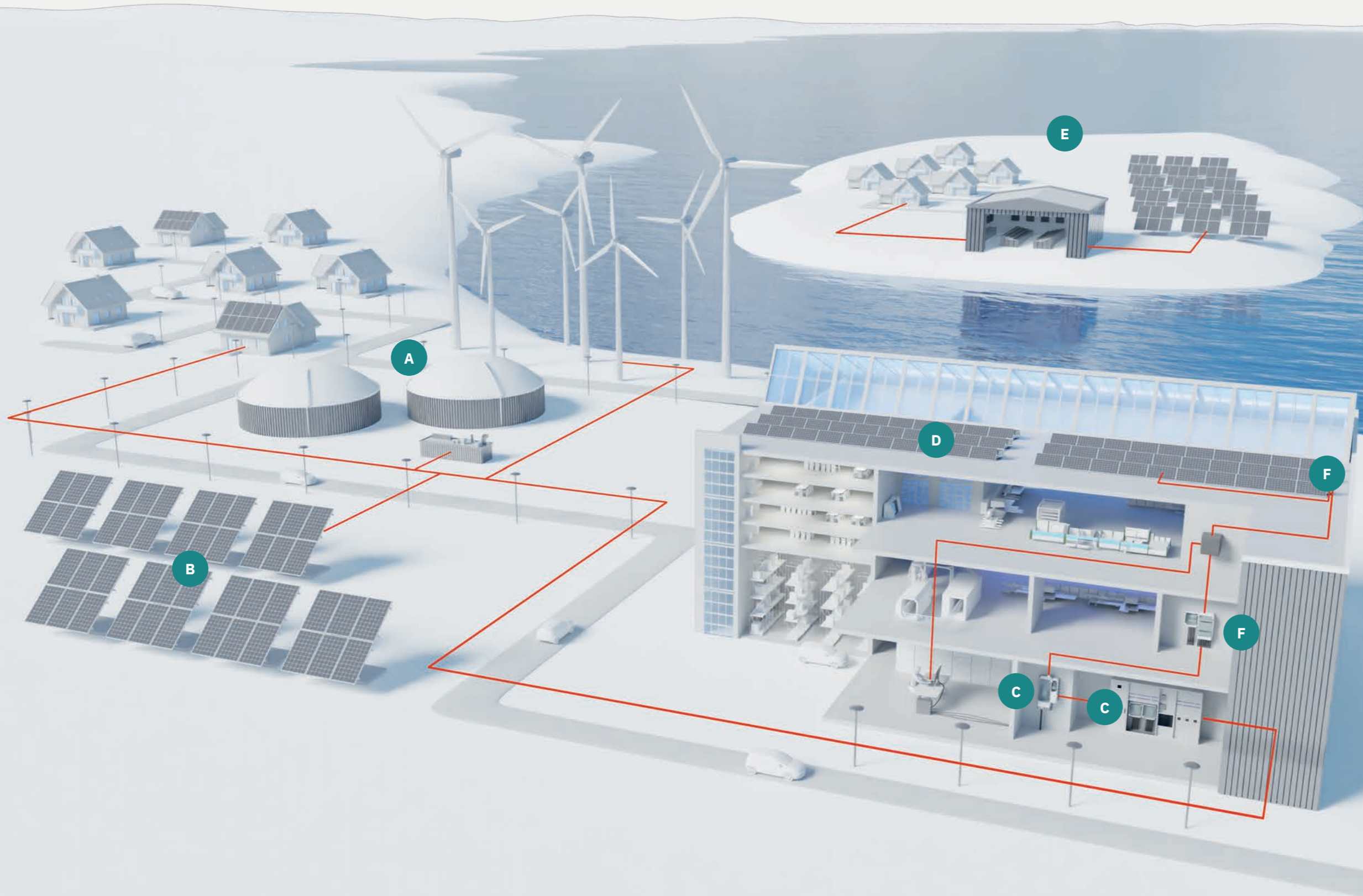
Renewable energy is becoming increasingly important. Just in one single day, the sun provides the earth with 3,000 times more energy than we need, making it an inexhaustible source of energy.

The energy emitted from the sun accounts for 850 to 1,200 kWh/m<sup>2</sup> a year, depending on the location. The closer to the equator, the more energy is emitted.

Safe, clean and environmentally friendly energy is required on all fronts. For more than 10 years, the production of solar power has risen globally, with the annual growth of new installations reaching more than 100 GW, with an upward trend.



## OUR PRODUCT SOLUTIONS FOR CLEAN ENERGY



### A BIOGAS PLANTS/SMALL WIND TURBINES

- HENSEL products can also be used for energy production via biogas and small wind turbines

### B OUTDOOR INSTALLATIONS

- Large PV systems
- Alignment towards the sun
- Solar trackers

### C DISCONNECTION UNIT + SWITCHGEAR ASSEMBLY

- Connecting generator plants to a low-voltage grid
- Standardised solutions (ready for use)
- Individual solutions

### D ROOF INSTALLATIONS

- Most popular type of installation
- Optimal alignment on flat roofs

### E OFF-GRID

- Energy production in areas with no power grid
- For village electrification and for water supply

### F PV GENERATOR JUNCTION BOX + PV POWER INVERTER COLLECTOR

- Connecting solar modules to the power inverter (ready for use)
- Connecting power inverters to isolation units (complete sets)
- Standardised solutions
- Individual solutions



ELECTRICITY

FRESH WATER

RECYCLABLE MATERIALS

CALL MINUTES

FUELS

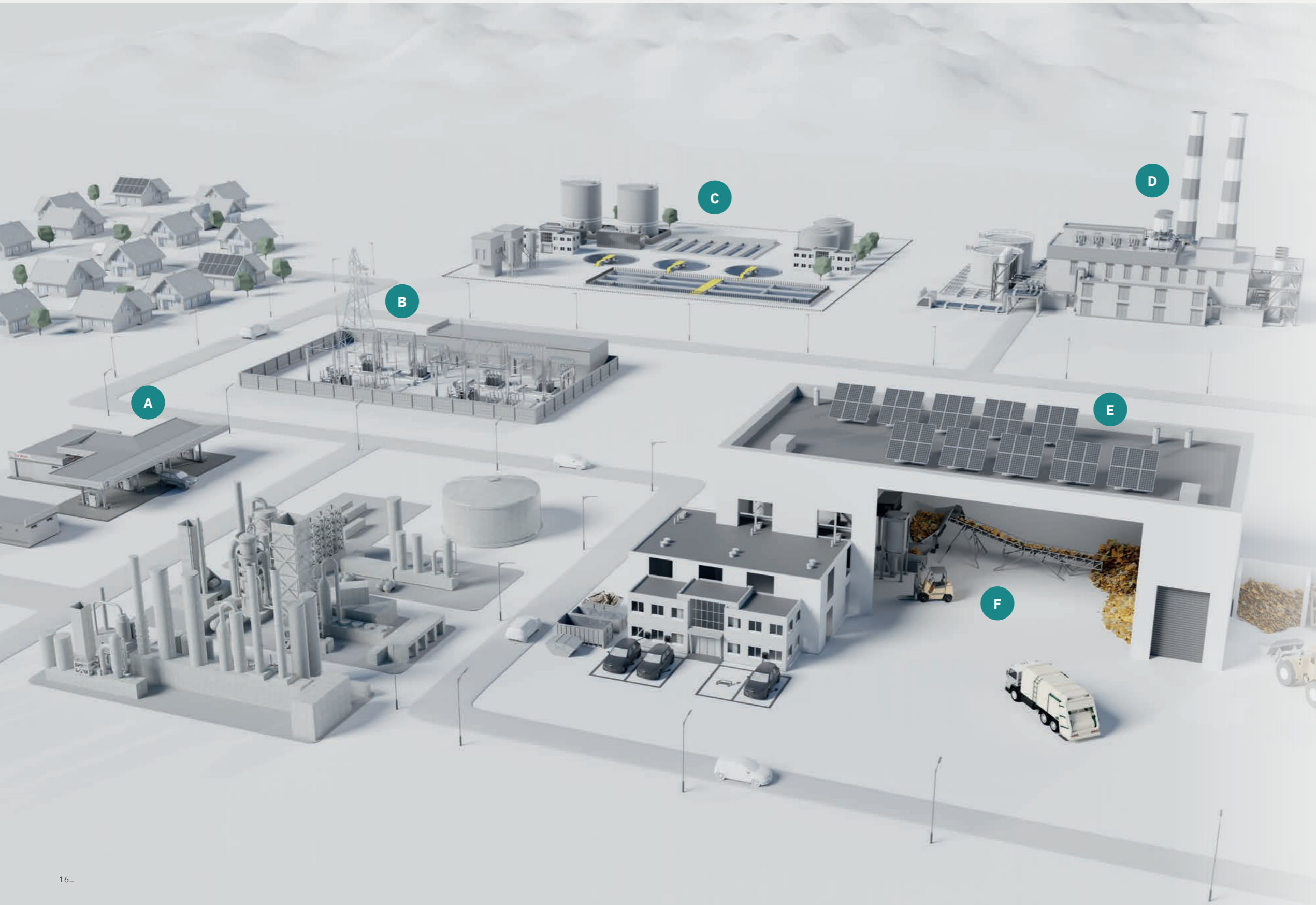
DATA

## ENERGY AND SUPPLY TECHNOLOGY – BECAUSE NOTHING WORKS WITHOUT THEM

The need for a reliable energy supply is too great and it is too relevant to our everyday lives to risk an outage. So that we can be safe supplied with energy in the future and keep everyday life going, we use our many years of expertise.



# OUR PRODUCTSOLUTIONS FOR A RELIABLE DISTRIBUTION TECHNOLOGY FOR ENERGY AND UTILITIES ENGINEERING



## A PETROL STATIONS

- Power supply often outdoors
- Dusty and damp conditions

## B ELECTRICAL SUBSTATIONS

- Fail-safe systems
- Special electrical requirements

## C WATER TREATMENT PLANTS

- Power supply often outdoors
- Damp/wet conditions

## D POWER PLANTS

- Fail-safe systems
- Special electrical requirements

## E PHOTOVOLTAICS

- Different PV applications
- Varying weather conditions

## F WASTE MANAGEMENT SERVICES

- Dusty and damp conditions
- Heavy mechanical loads



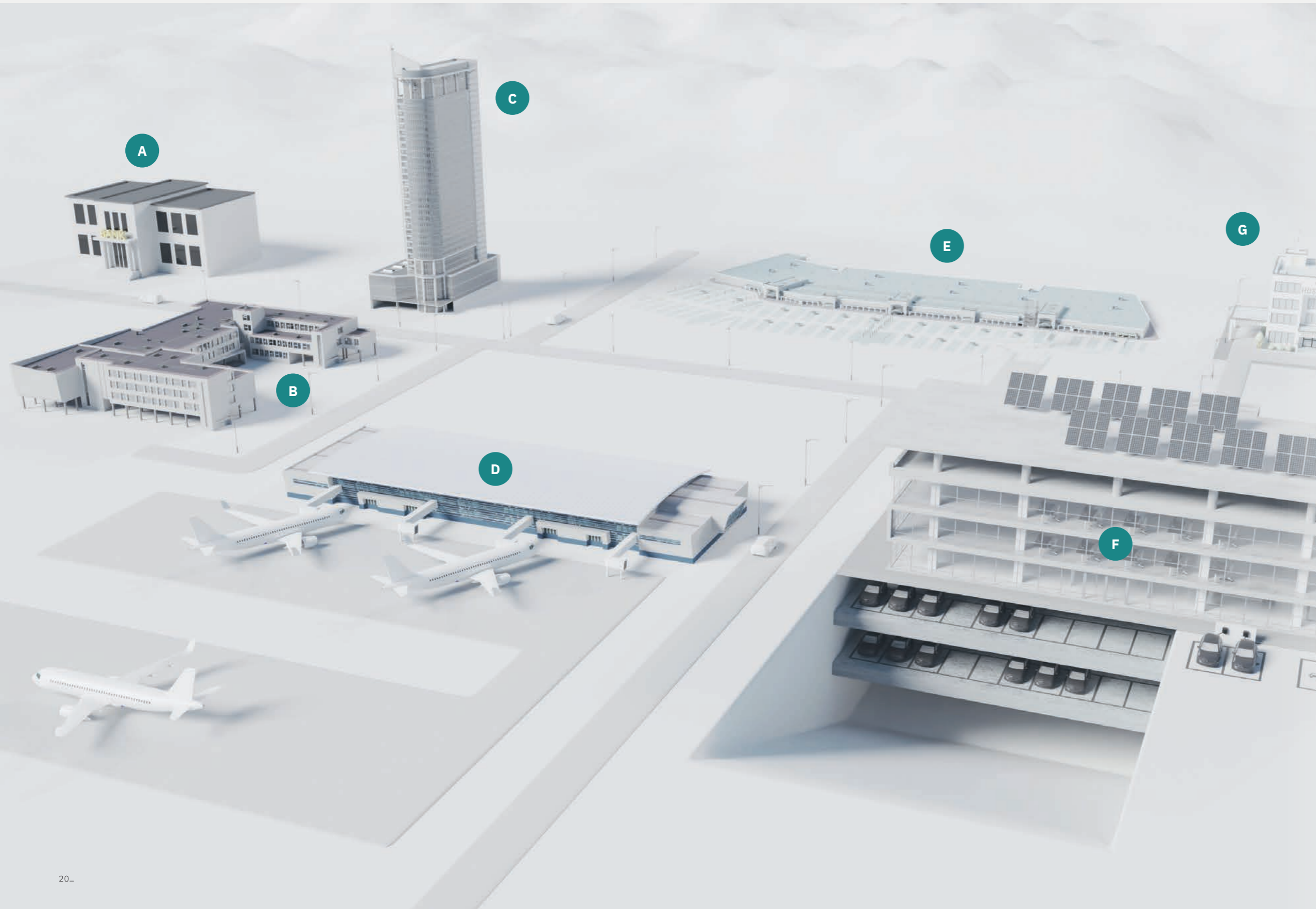


## SAFE BUILDINGS – FOR CHALLENGING INFRASTRUCTURES

An ever-increasing level of highly complex technology is being used in modern buildings. At the same time, the electrical components are becoming ever more sensitive. This increases the demands for safe and reliable electrical installations.



# OUR PRODUCT SOLUTIONS FOR SAFE BUILDINGS



**A BANKS AND INSURANCE BUILDINGS**

- Reliable IT systems

**B SCHOOLS AND UNIVERSITIES**

- Custom building technology

**C HOTELS AND CINEMA CENTRES**

- Special requirements for fire protection

**D TRANSPORT INFRASTRUCTURE BUILDINGS**

- Special requirements for fire protection

**E LEISURE AND SHOPPING CENTRES**

- Custom building technology and security systems

**F INDUSTRIAL, COMMERCIAL AND FUNCTIONAL BUILDINGS**

- Custom building
- Fail-safe technology

**G HOSPITALS AND CLINICS**

- Sensitive technical medical processes which do not permit interruptions



# SOLUTIONS FOR A SAFE ELECTRICAL FUTURE

The HENSEL product portfolio covers the entire spectrum of electrical power distribution. From the smallest cable junction box to an extensive substation, electrical professionals rely on brand solutions from HENSEL - especially where it really matters. Together with the planning and consulting expertise as well as the numerous supporting services,

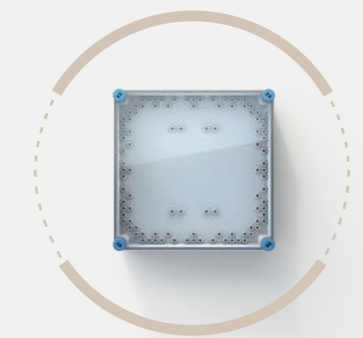
HENSEL offers the perfect all-inclusive package for truly safe electricity.



**ENYCASE**  
Cable junction boxes  
0.75 to 240 mm<sup>2</sup>



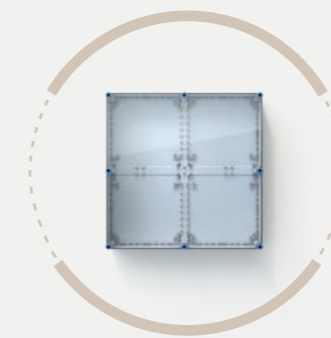
**ENYBOARD**  
Small-type distribution boards  
3 to 54 modules



**ENYFLEX**  
Empty enclosures  
in accordance with IEC 62208



**ENYSTAR**  
Distribution boards with door  
up to 250 A



**ENYMOD**  
Mi power distribution boards  
up to 630 A



**ENYSUN**  
Safe and professional product  
solutions for Photovoltaic plants



**ENYFIT**  
Cable entry systems



**ENYCHARGE**  
Multicharging system



**ENYPOWER**  
Low-voltage switchgear  
up to 5000 A



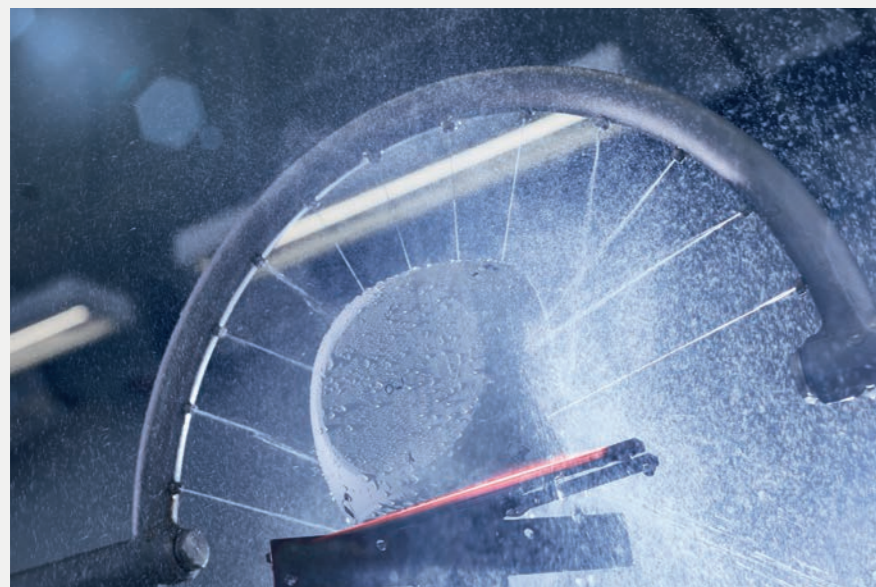
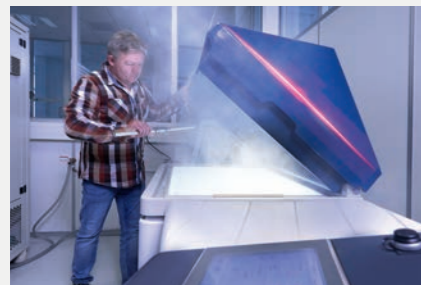
**MODERN TEST METHODS – HENSEL STANDS FOR CERTIFIED QUALITY.**

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



VDE-certified test laboratory



HIGH QUALITY STANDARDS GUARANTEE THAT OUR PARTNERS HAVE THE CRUCIAL COMPETITIVE EDGE:

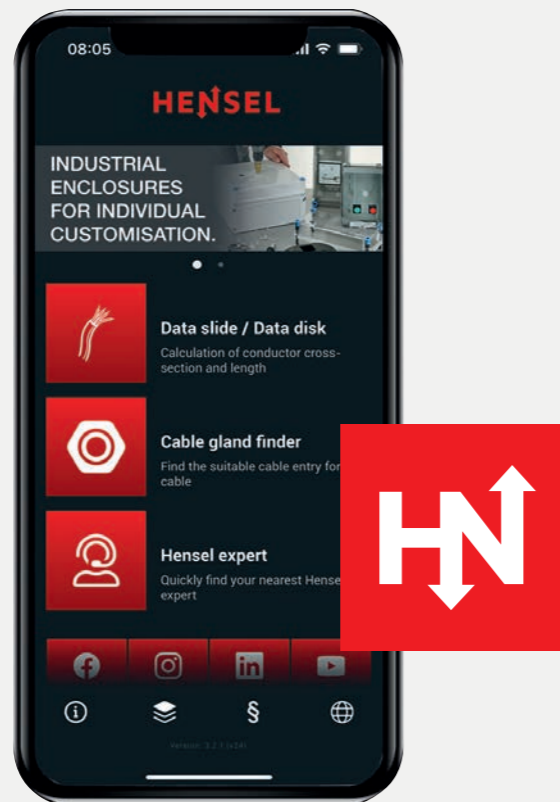
- \_ Certified quality standard according to DIN EN ISO 9001:2015 for all production sites of the HENSEL Group.
- \_ Lean processes and efficiently positioned for the future. Continuous optimization: Lean management / HENSEL PEP system
- \_ Safe manufacturing processes:
  - . Occupational Health and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



## ENYEXPERT – MORE KNOWLEDGE IN YOUR HAND

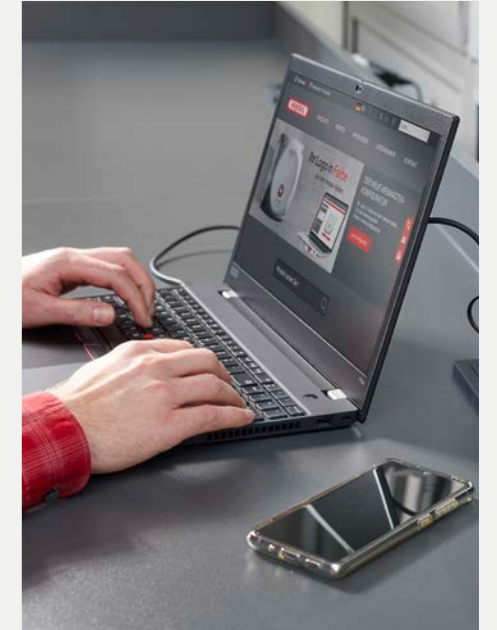
Always be up-to-date on the go. In addition to useful information, the HENSEL app offers simple and practical tools to make your everyday work easier.

- + **Data slide / Data disc**  
Calculation of conductor cross section and length
- + **Cable gland finder**  
Find the suitable cable entry for your cable
- + **HENSEL expert**  
Quickly find your nearest HENSEL expert



## SERVICE@HENSEL – DIGITAL, ANALOGUE AND ON SITE

In addition to the ENYEXPERT app, HENSEL offers other useful and innovative tools that significantly facilitate the everyday work in the electrical trade:



- + **MY HENSEL-BOX**  
**Your Logo on the HENSEL-box**  
Use the HENSEL-box as a business card for your installation services

Please contact your HENSEL expert:  
[hensel-electric.de](mailto:hensel-electric.de)

- + **ENYGUIDE**  
**The 3D Configurator for Mi- and ENYSTAR distribution boards**  
Whether as a 2D drawing or as a three-dimensional image – The intuitive 3D planning tool ENYGUIDE supports electrical specialists in the planning, project planning and ordering of HENSEL ENYSTAR and Mi Distribution boards.

More:  
[enyguide.de](http://enyguide.de)

- + **CALCULATION TOOL**  
**for the verification of the permissible temperature rise**  
The online tool for quickly and easily determining the power loss.



- + **PORTAL 61439**  
The platform with all information about design and assembly according to IEC 61439 / EN 61439.



AVAILABLE FOR ANDROID AND IOS (FREE OF CHARGE)

**ANDROID**  
Scan QR-Code

**IOS**  
Scan QR-Code



MADE IN GERMANY

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**HEÑSEL**