

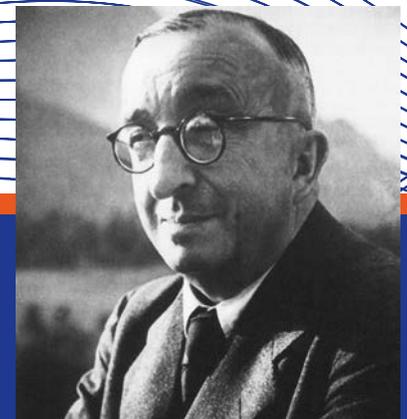
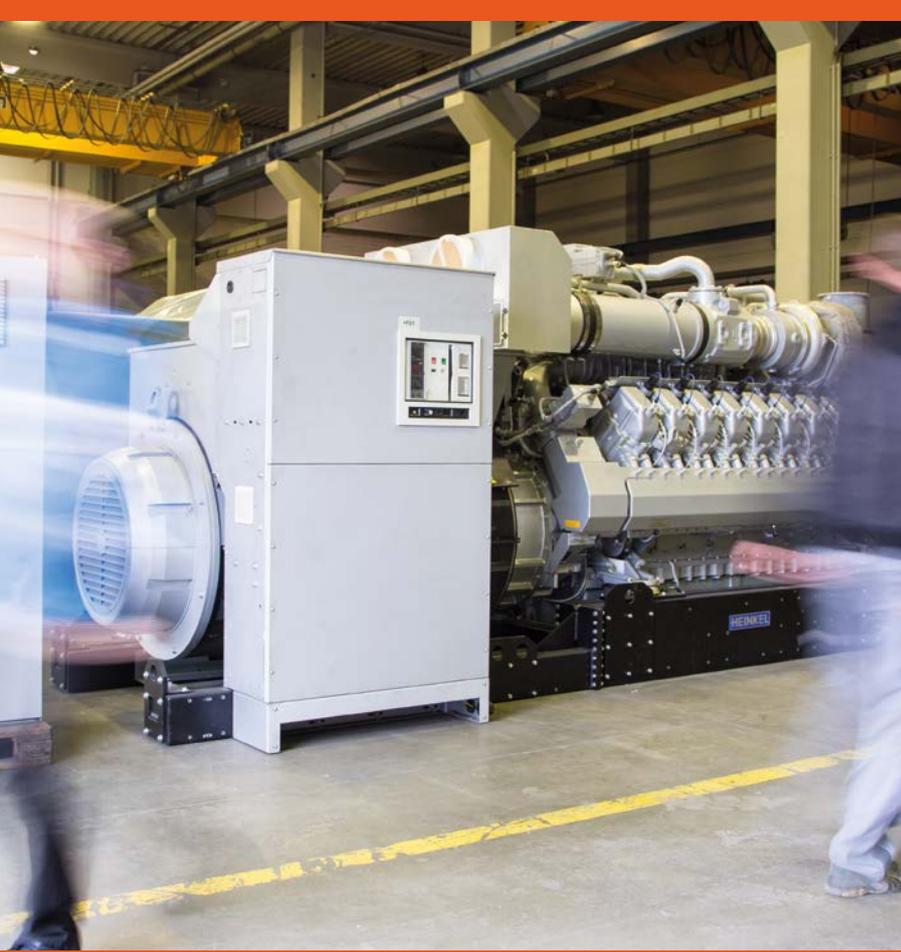


HEINKEL UMWELTECHNIK + ENERGIEANLAGEN GMBH
Customer-specific solutions



THE COMPANY

Our company was formed in 1922 and since then it has made a name for itself as an independent, brand-free manufacturer of diesel/gas power generators, floodlight and switchgear systems to control power generators. We have also been operating on the market as a system supplier for modular gas turbines and UPS systems since 1998. Heinkel's power generators are now sold all over the world and provide customers with a reliable supply of electricity.



MILESTONES IN THE COMPANY'S HISTORY

- 1922 Ernst Heinkel forms the aircraft plants in Warnemünde.
- 1932 The company is regarded as being Mecklenburg's largest industrial enterprise and has more than 1,350 aviation patents and around 590 industrial property rights for engines. Production is located in Rostock, Oranienburg and Berlin-Reinickendorf. Heinkel developed by far the fastest passenger aircraft in the world at that time in the form of the HE 70.
- 1939 Flight with the He 178, the world's first jet aircraft.
- 1950 New start in Stuttgart. The company builds two and four-stroke engines, motor and cabin scooters. Launch in Berlin-Reinickendorf as an independent, brand-free manufacturer of diesel power generators, floodlight and switchgear systems to control power generators.
- 1998 The company positions itself as a system supplier for gas turbines and UPS systems
- 2015 Heinkel Umwelttechnik + Energieanlagen GmbH operates worldwide and continues to enjoy dynamic growth.





EXPERTISE IS CRUCIAL

Our facility in Berlin has state-of-the-art production technology and also has its own construction department for developing customer-specific concepts using CAD and a latest generation test field with load banks of up to 5 MW. The test field can be used in both stand-alone and also parallel mode. We also perform continuous load tests and dynamic testing here.

UNCOMPROMISINGLY GOOD

Our products are of excellent quality. This is ensured by factors including a consistently employed quality management system along the entire production chain. Beside our extensive function and monitoring tests, we are also precisely testing the full scope of our deliveries. Since 1995, all of our generators have had the mandatory CE labels, and a declaration of conformity according to the EC machinery directives. They are built according to DIN VDE 100-710 and 100-718 as well as ISO 8528.

OUR PRODUCTS

- Emergency diesel generators
- Continuous power supply
- Uninterruptable power supply (UPS)
- Gas generators
- Exhaust gas cleaning technology (including soot filters)
- Mobile workshop equipment
- Turbines
- Mobile generators
- Mobile floodlight systems
- Mobile medical care



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SOLUTIONS FOR ALL REQUIREMENTS

We produce power generators of 10 to 5,000 kVA for our customers, and also mobile power generators of up to 3,000 kVA that are housed in containers. The fact that we are independent of specific manufacturers and brands means that we can always react flexibly to our customers wishes and requirements, and offer them customized solutions.

EMERGENCY DIESEL GENERATORS

Our products also include emergency diesel generators of between 10 and 3,500 kVA. Our range includes both low-voltage and also medium-voltage systems. Higher load demands or enhanced reliability by redundancy can be realised by using flexible multiple systems. We supply systems for stationary use and as mobile solutions. Only top-quality machine components from leading manufacturers are used.



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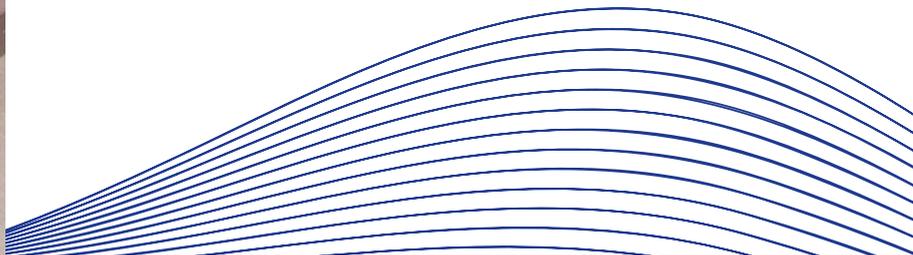
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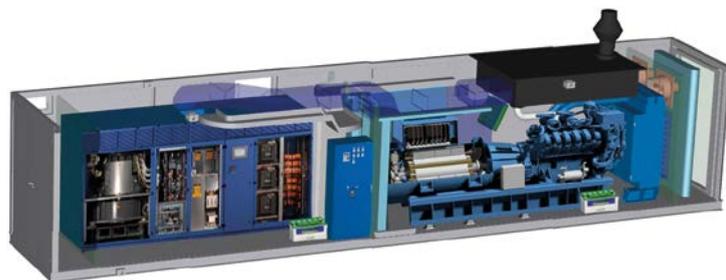
CONTINUOUS POWER SUPPLY (POWER STATION)

Our generators can be used in parallel mode. They are equipped with a 2/3 coil to suppress harmonics and avoid neutral currents. They can be supplied as diesel, heavy fuel or gas systems for low and medium voltages. Our systems are safe and guarantee long deployment periods with fast and medium-speed motors. Heinkel's power generators are the cleanest of their kind with the safest operation. Their workmanship, useful lives, operating safety and environmental compatibility are well-known around the world.



UNINTERRUPTABLE POWER SUPPLY (UPS)

The quality, performance and reliability of an electricity supply are key factors for its efficiency and cost effectiveness. We offer turn-key energy solutions, including for highly complex systems. The heart of our rotating UPS systems is the flywheel energy storage. Our systems are ideally suited for use in hospitals, airports and other security-relevant institutions. The excellent acoustic insulation means that these systems can also be used in noise-sensitive areas.



THERMAL
Wärmetaucher-Systeme

Produktlinien:

- » Tischkühler
- » V-Kühler
- » Plattenwärmetaucher
- » Ausgleichsbehälter
- » Glykollauffangwanne

THERMAL
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Motor- und Industriekühlung

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E-Mail thermal@thermal.de
Internet www.thermal.de



GAS GENERATORS

Heinkel's gas generators, which are used for the decentralised production of electricity with or without combination of heat extraction (for example in CHP plants) are both energy efficient and environmentally friendly. We supply industrial and agricultural customers as well as municipal utilities companies and other energy suppliers.

SOOT FILTERS

Our product range also includes soot filters that exceed legal requirements for emergency diesel generators which have a value of less than 1 to 5 mg/Nm³, and which can be obtained in various forms.



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SWITCHGEAR SYSTEMS

Heinkel's power generators are equipped with state-of-the-art switch and controlgear systems. From engineering to commissioning Heinkel always clearly focuses on the customers exact requirements and are thus application specific. The bandwidth ranges from simple control systems for emergency generator sets through to complex controls for end-to-end diesel or gas power plants. We use components from well-known, certified manufacturers, which means that we can always guarantee the ultimate in supply security and cost effectiveness.

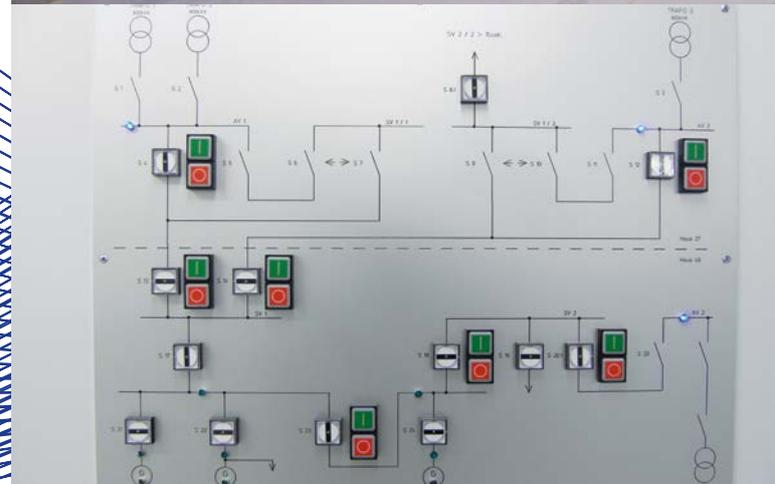


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ONE-STOP-SHOPPING OUR SERVICES

Heinkel not only supplies top-quality, high performance products, but also provides you an extensive package of end-to-end services. We provide a one-stop shop for all services. From inception to construction, from assembly to going live (in Germany and abroad!) and all the way through to full servicing - we can provide you with all the services you need. This also includes our 24/7 emergency service, 365 days per year.

In addition, we are the right company to contact if you need to rent equipment. We offer our customers a large selection of rental equipment helping to bridge shortages in power supply. For example, silenced emergency diesel generators with an output of 17 to 3,000 kVA which can be adjusted to your specific requirements. The equipment is easy to order, and order-processing is simple. Incidentally, this also applies to all inspections according to the current DIN/VDE standards, which can also be offered for you.

Our service package also includes modifications and updates of existing equipments to ensure that this keeps pace with new installations. This is needed due to the permanent developments in technology and changes in construction directives.



KÖNIG
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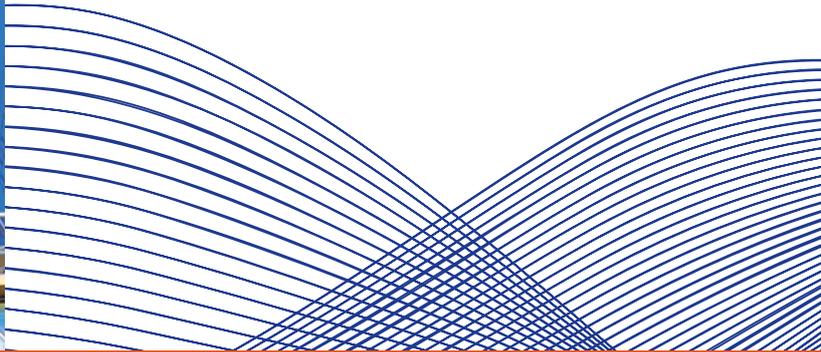
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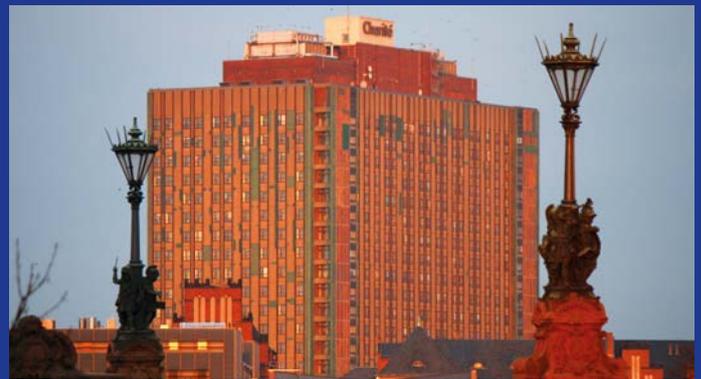


CONVINCING REFERENCES

The large number of projects we have successfully realised provide clear evidence of our top-quality performance and our first-rate products and services. We have the best references in various segments, e.g. banks, public services/authorities, data centres, insurances, telecommunications, hospitals, department stores, and cultural/facilities/institutions.



Deutsche Börse AG/Frankfurt am Main/2 x 850 kVA



Charité/Berlin/1.300 kVA



State Opera/Berlin/1,600 kVA



Deutsche Telekom/Berlin/2.000 kVA

You can find additional references on our Web site:
www.heinkel-systeme.de





WORKING FOR YOU - WORLDWIDE

We have been a partner for various industries for many years, and we have far-reaching experience and expertise in supplying energy and emergency power systems all over the world. We supply customers in a wide variety of sectors worldwide with state-of-the-art solutions and products from well-known German manufacturers. We offer you all-inclusive, end-to-end service: From conception, production and assembly through to international sales, including our wide-spread after-sales service - we are your one-stop-shop. Our customers appreciate our rapid and direct services also as our flexibility as an independent and reliable supply partner.





A TRIED-AND-TRUSTED NETWORK

We know our client's local requirements and their special characteristics, and we are always pleased to meet these with our customized solutions.

Heinkel provides technically demanding products that are "Made in Germany" - including in regions with complex structures. During the past few decades, we have established an international network of tried-and-trusted partners. We work closely together with our partners and trust in their expertise and experience. Heinkel and its partners are your specialists for energy supply projects and for the supply of high-quality technical components, made in Germany. We look forward to providing you with details of our international references. Just give us a call or visit us online: www.heinkel-systeme.de

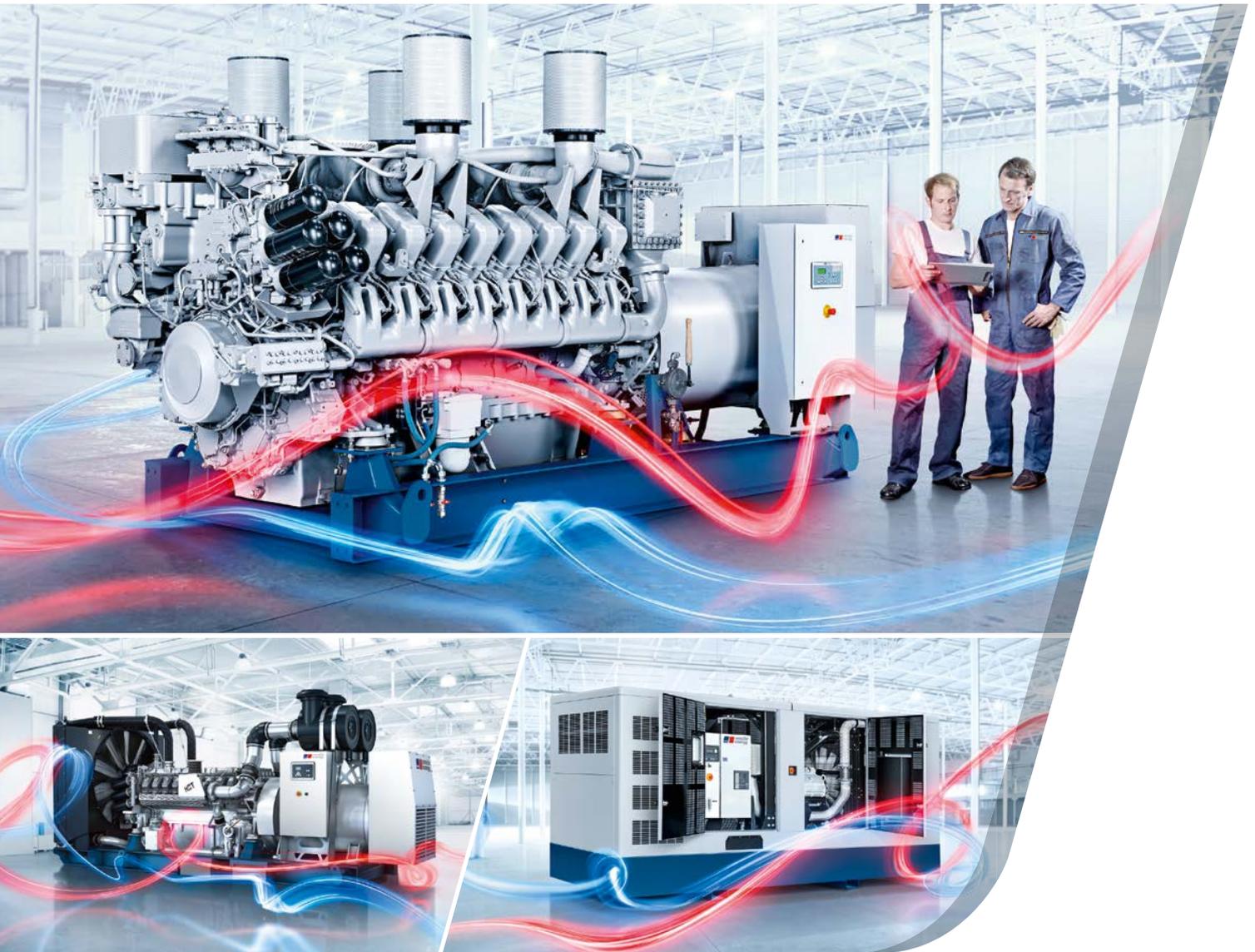


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