besecke
Smart Automation & System Technologies

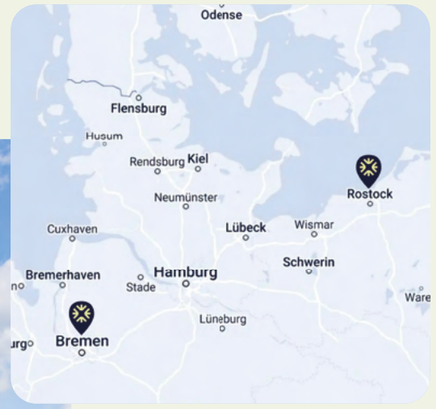
Flexible, precise, efficient and transparent – that's how our automation and systems technology can be described in a nutshell. For decades, we at besecke GmbH & Co. KG have been developing tailor-made solutions for customers all over the world. Our claim: technology that works reliably and perfectly suits your requirements.

We place particular emphasis on maritime systems – from energy supply to ship automation. We also implement industrial automation solutions for the food, automotive and special machinery industries.

Our approximately 180 employees work in an interdisciplinary manner and accompany you through all project phases – from detailed planning to commissioning and beyond.

We offer not only complete systems, but also service and support during ongoing operation. Thanks to our independence in the choice of components, we use exactly the technologies that are best suited to your application – manufacturer-independent, innovative and future-proof.

Whether it's a single project or a complex overall system: with besecke, you are choosing a partner who combines technology with experience and passion – and makes your vision a reality.



Locations
besecke GmbH & Co. KG

Steindamm 24
D – 28719 Bremen

Tannenweg 22k
D – 18059 Rostock

In everything we do, we seek the smartest solution:

minimum Input, ›
maximum Impact.

Contact
Tel: +49 421 636 98 0
Fax: +49 421 636 44 12
Mail: kontakt@besecke.de

besecke

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The impact of Control Cabinets

A control cabinet brings order to complex technology: it protects, connects, and structures all electrical components — whether relays, control devices, fuses or power supplies. And it creates the basis for the safe operation of machines and systems.

External and internal protection

A good control cabinet not only protects what is inside it, but also what is happening around it:

For the environment

- Protection against electrical contact
- Shielding of electromagnetic fields
- Solutions for fire protection and smoke extraction

For the technology inside

- Protection against dust and water (IP protection classes)
- Protection against vibrations, EMC interference, or mechanical stress
- Structure for cooling, ventilation and maintenance

You get the electrical design and the control cabinets from a single source. So that everything works perfectly.

We build switch boards for you in our own production. According to the highest quality standards.

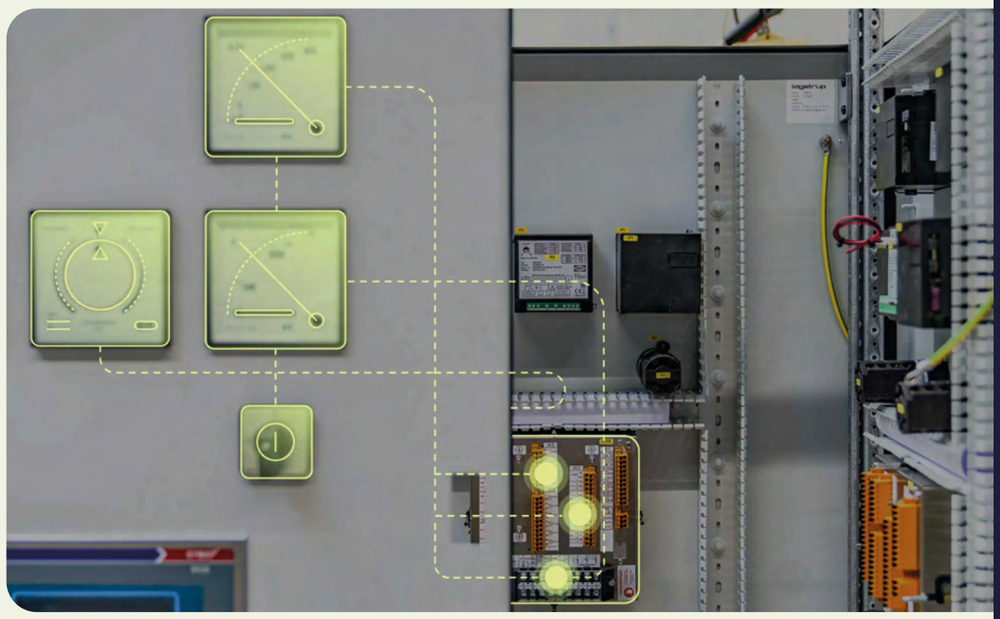
What sets us apart: We plan, build, and test your switch cabinets in-house—with experience, quality and system expertise. From small terminal boxes to complete switchgear. Electrical design and manufacturing from a single source.

Solutions for new construction and retrofitting

- Customized systems – even for confined spaces
- Manufacturing according to standards (e.g. EN 61439) and your specifications

What systems we build

- Low-voltage switchgear
- Medium-voltage and special systems
- Prototypes, series and individual projects



Overview of construction types and designs

Housing types

Different environments and technical requirements call for specific housing types. Selecting the right enclosure ensures functionality, durability, and safe operation under all conditions.

- **Terminal box**
  Compact and versatile — can be used in various applications.
- **Wall-mounted housing**
  Robust steel construction with single or double doors. Ideal for space-saving installations on walls or structures.
- **Free-standing switch cabinets**
  Stable and easily accessible. Suitable for large-scale systems or complex control setups.
- **Rack-mount switch cabinets**
  Modularly expandable and ideal for use in machine parks or industrial systems.

Cable Entry and Management

Often underestimated — yet essential for safety and reliability. Proper cable management ensures system integrity, reduces maintenance effort, and extends equipment lifespan.

- Cable glands ensure sealing and strain relief.
- Cable trays and ducts provide structure and clarity.
- Clearly marked cables simplify maintenance and minimize downtime.
- Separate routing of energy and data cables guarantees clean signal transmission.
- Sufficient air circulation supports cooling and ensures long-term component reliability.