## TRANSFORMER RECTIFIERS

### Perfection in transformer rectifier production

Perfection is the goal of our innovative dialogue process with endusers. We think of our customers as partners and we act accordingly. These dialogues provide requirements, concepts, products with high claim to quality - quality of the materials, quality of the customer benefit, quality of manufacture.

We achieve perfection and quality by dedicated research, expert development and design. It is ensured by particulary stringent quality control/assurance and test methods. Only transformer rectifiers which meet the highest standards are ready for shipment and installation.

The continuous development of user oriented complete solutions in the manufacturing of transformer rectifiers is one of the major goals of our company.

This development work is reflected in our manufacturing program. It provides all options and configurations for an infinite number of applications.

We use specially developed computer software and AUTOCAD to solve issues with design, component selection, climate conditions, etc., providing a complete solution in one process.
A plan quickly becomes the final answer with ultimate benefit for the user.

- **Air-cooled**
  for normal climatic and ambient conditions
- **Oil-cooled**
  for special climatic conditions such as high humidity and high ambient temperature
- **Explosion proof**
  for hazardous classified areas in explosion proof enclosures

DC power equipment, such as transformer rectifiers, supplies current applied for the cathodic protection of buried or immersed metal structures.Transformer rectifiers are normally used when AC power from the mains is available.
GCP cathodic protection rectifiers are specially designed for operation in aggresive environments. These may include areas with corrosive, abrasive or high saline conditions, areas with high levels of dust, excess moisture or increased risk of high electrical discharge - all factors which may be detrimental to the operational life of the units.
Depending on ambient conditions and locations, air-cooled, oil-cooled or explosion proof units are generally used in CP systems.
Our transformer rectifiers are designed to meet German Standards (DIN/VDE) and the Standards of the International Electrotechnical Commission (IEC), but can also be designed in accordance with the requirements of other recognised Standards.
All transformer rectifiers can be used in indoor and outdoor locations and are capable of supplying continuous, full-rated output at ambient temperatures of up to +60°C.