

The driving force!



emod[®]
M O T O R E N

We have our eye on the future



**Innovative and one
step ahead of
the future:
The EMOD develop-
ment department is
already focusing on
tomorrow's trends.**

Individual solutions in modern plant engineering – for more than half a century, EMOD has been developing bespoke concepts tailored to the needs of every individual customer. In close cooperation with the technicians of the particular company, EMOD produces top quality products for the worldwide market.



Innovative 3D CAD programmes and high-performance manufacturing technologies facilitate the production of engines with an output of 0.06 to 1700 kW and a weight of several tonnes. The units developed at EMOD meet all legal requirements and standards. Above all, we factor in special customer requirements, for example regarding noise, building volume or operating behaviour.

Top-class quality in production



**Multiple
redundant
processes
ensure seamless
production.**

State-of-the-art production processes, ingeniously designed machinery and highly qualified employees guarantee smooth and cost-optimised serial production at EMOD. A constant focus: energy-saving production in all production phases. EMOD draws on sustainable recycling concepts, the excellent use of waste heat, as well as elaborate filter systems – to protect valuable resources and to reduce the impact on the climate and the environment as much as possible.

The entire production process is equally well organised, with modern and flexible machines ensuring short set-up and change-over times. To ensure that EMOD perfectly meets its requirements for series production at all times, all processes are designed multiply redundant. Possible bottlenecks caused by an unexpected breakdown are thus excluded. And the consistent implementation of the EMOD modular system for our motors ensures particularly fast and cost-effective realisation.



Individual custom-made products



Many years of expertise—even for particularly complex requirements.

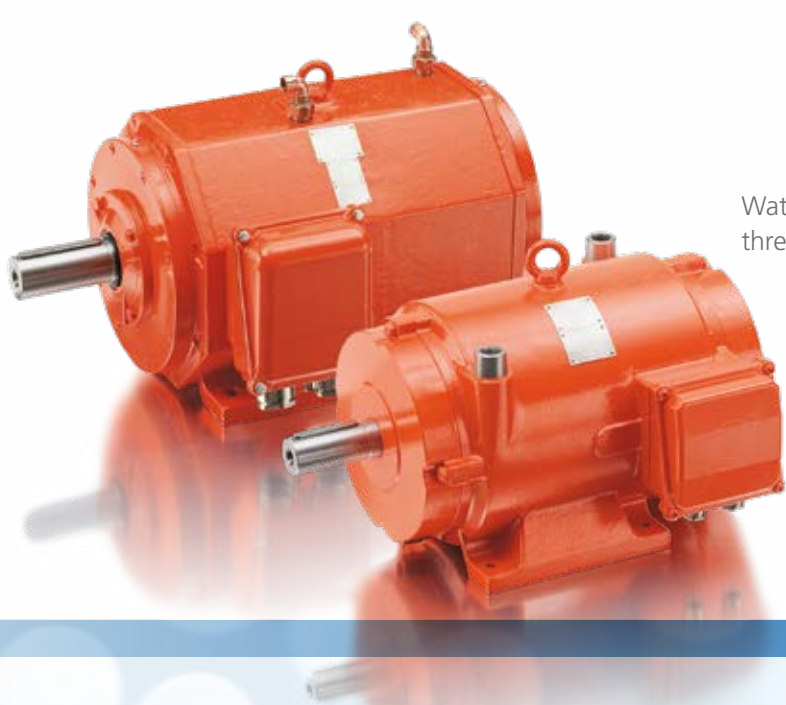
At EMOD, highly trained specialists and high-performance special tools ensure that EMOD series production is well capable of tackling even complex special requirements in small batches. Here again, quality and technical orientation are top priority. For manually intensive tasks EMOD has always specialist craftsmen available who can bring many years of know-how to bear.

The EMOD specialists are competent contacts, even for demanding custom-made products and their solutions are very much in demand internationally. From planning, design, through to delivery and assembly, everything comes from a single source

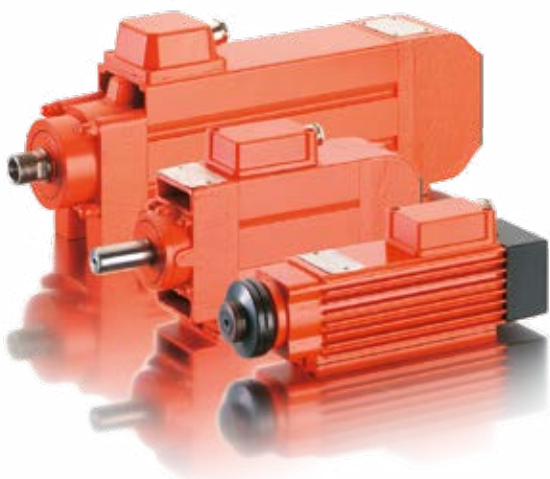


The EMOD product range

Whether water-cooled or explosion-proof –
EMOD has the right drive for every application.
A quick look at the various ranges:



Water-cooled
three-phase motors



Flat motors



Three-phase servo motors



Marine motors



Single phase motors



Permanent-magnet
three-phase motors



Pot-type motors



DC motors IP 54



Three-phase motors
IP 55



Explosion-proof
motors



Three-phase
slip-ring motors



Three-phase motors IP 23



Reluctance motors



Sub. motors



The highest quality standards

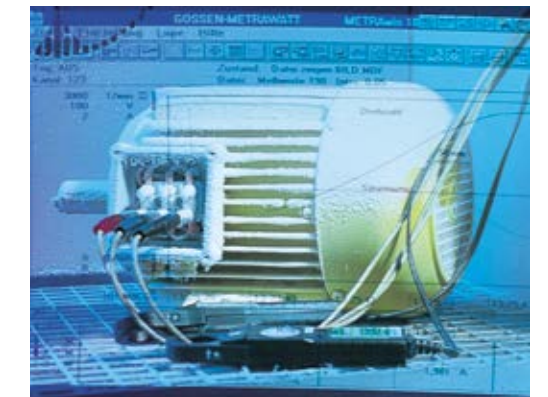


**DIN ISO 9001
for recognised
quality management.
Declared goal:
zero defects.**

At EMOD, the seamless quality assurance chain starts back in the development phase. Under laboratory conditions, all prototypes have to withstand future stresses that go far beyond everyday requirements. How does the new development react to cold or heat? Are the sound pressure levels correct? On questions such as these, the EMOD test laboratory provides answers to questions like these that have a direct impact on the further process.

Add to the continuous checking of all components during production and, finally, the critical link in the quality assurance chain for the customer: the final acceptance. This involves all EMOD-drives being tested to

clearly defined inspection stages, to ultimately as a German quality product, meet all the requirements of future practical use. It goes without saying that specialists always ensure compliance with all necessary regulations and standards including CSA, NEMA, UL, ATEX, CSA-CUS or CCC.





The “toughest” in action



Water-cooled
three-phase motors



Permanent-magnet
three-phase motors



Range 829 Marine motors
for lower and upper deck mounting,
with or without inspection

**Foodstuff industry,
combined heat and
power plants, port
and crane systems:
EMOD systems can
be found in many
different sectors.**

Individually designed and always the right solution for the customer's particular application – EMOD develops and builds engines for a host of different requirements. For operating in hazardous area a corresponding motor type can be selected in degree of protection “flame-proof” EEx d IIB T4

according to Directive 94/9/EG. EMOD also develops water-cooled three-phase motors that function faultlessly under extreme conditions – such as effects of dust, airborne fibres, dirt or moisture – or permanent magnet synchronous motors with the highest levels of efficiency.

Logistics and Service par excellence

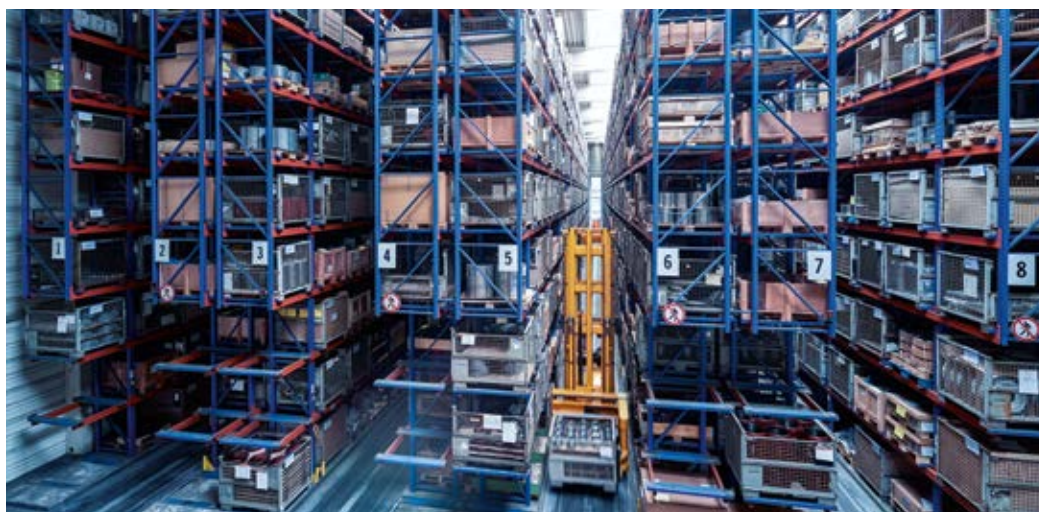


Perfect products and efficient logistics – these are EMOD's major strengths; strengths that thousands of satisfied customers worldwide can draw on anew each day and fully rely on at any time. A computer-based warehousing operation and an ideal location in central Germany guarantee security of production and delivery at all times.

Five new shuttle storage units can accommodate a total of 300 tonnes, while the high-stacking warehouse can accommodate 6,000 pallets. The crane operation in the halls is designed for up to 25 tonnes.

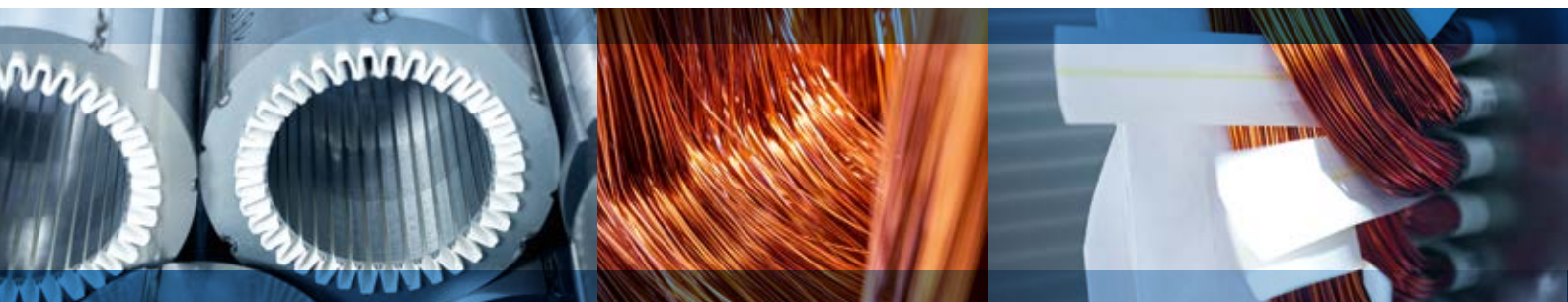
EMOD also has three paint shops for motors up to ten tonnes, so that the engines meet the customer's requirements in every detail.

**The high-stacking
warehouse
features room for
6,000 pallets.**

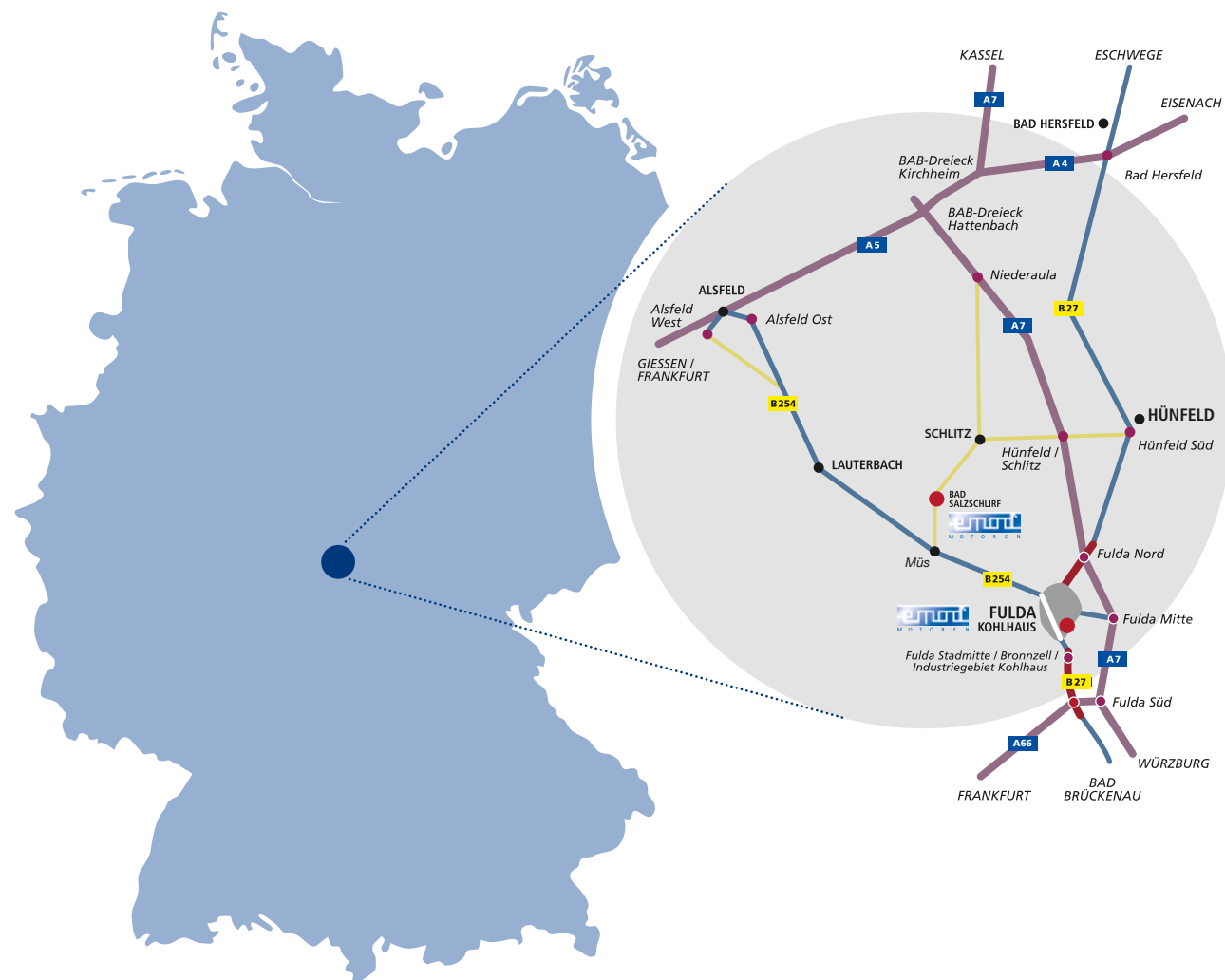




Central location in the heart of Germany



**Two sites – one common goal.
To convince our customers with innovation, performance and service.**



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