

DEvised AND MADE
IN GERMANY

BREUER) MOTOREN



BREUER MOTORS:

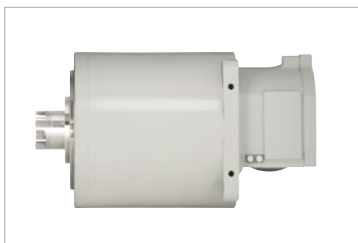
proven around the world.

It all began with mining. Breuer motors and drives have enjoyed an excellent reputation in that industry for decades. In the meantime, the specialist knowledge gained and the will to constantly find new solutions have qualified Breuer as a dependable partner in many other sectors of industry as well – whether it be drive technology, power electronics, or plant design.

Today, Breuer is the worldwide leader in the production of air- and water-cooled motors, as well as VFD-motors and frequency converters with continuously variable drive speeds. In the process, every detail is not only planned and developed in Bochum, the manufacturing is also conducted at our in-house production facility.

**BREUER GIVES YOU EVERYTHING
UNDER ONE ROOF – LITERALLY.**

Our three main areas



Motors



VFD-motors



Frequency converters

BREUER MOTORS MAKE THEIR WAY ALL OVER THE WORLD.

As well as under it.

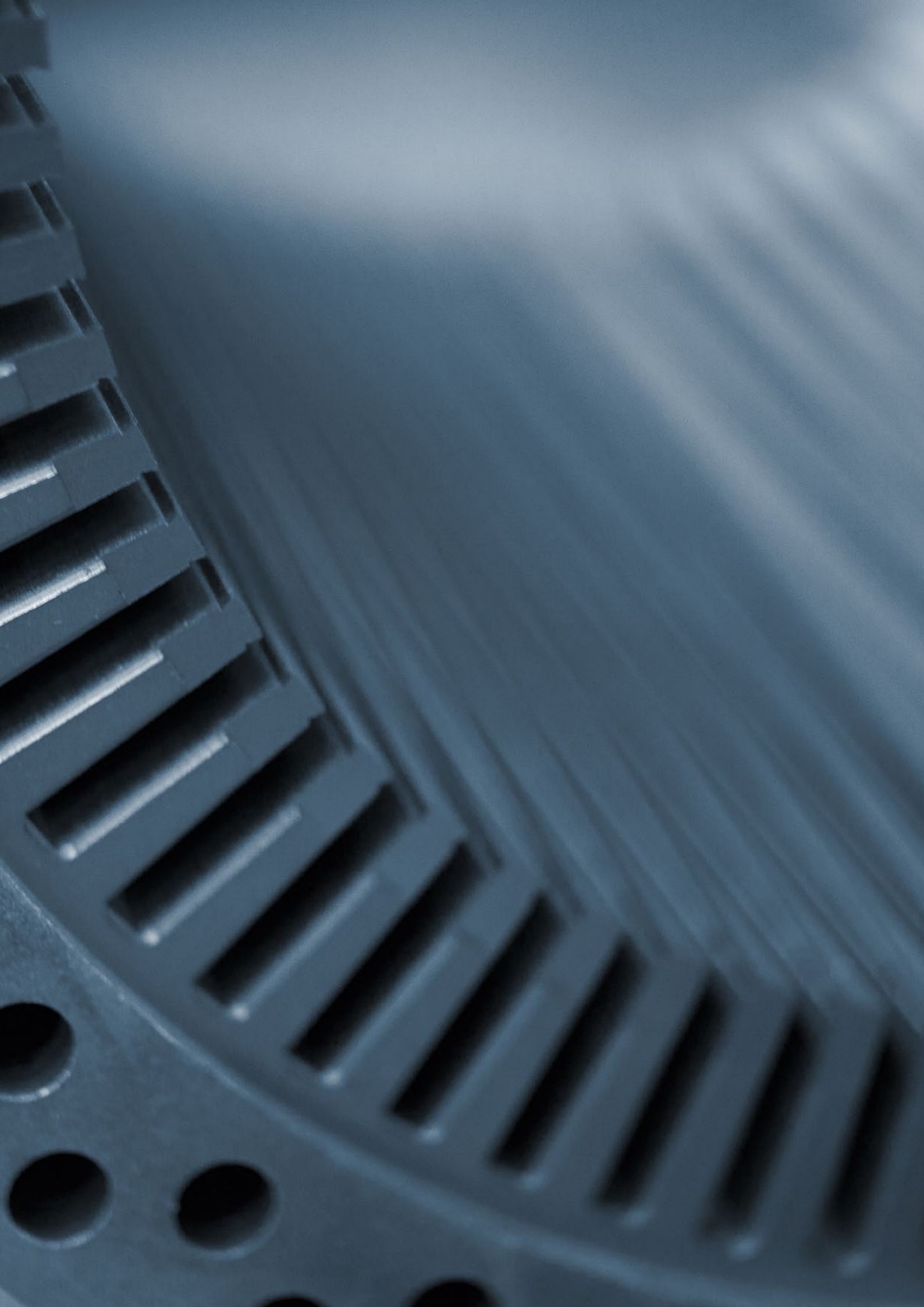
Breuer motors are used in a wide variety of fields. They are primarily put to use as electric drive systems for mining machines and oil- and gas-drilling rigs. But they are also used as drive systems for tunnel excavation machines and testing-facility equipment, as well as rail and special-purpose vehicles.

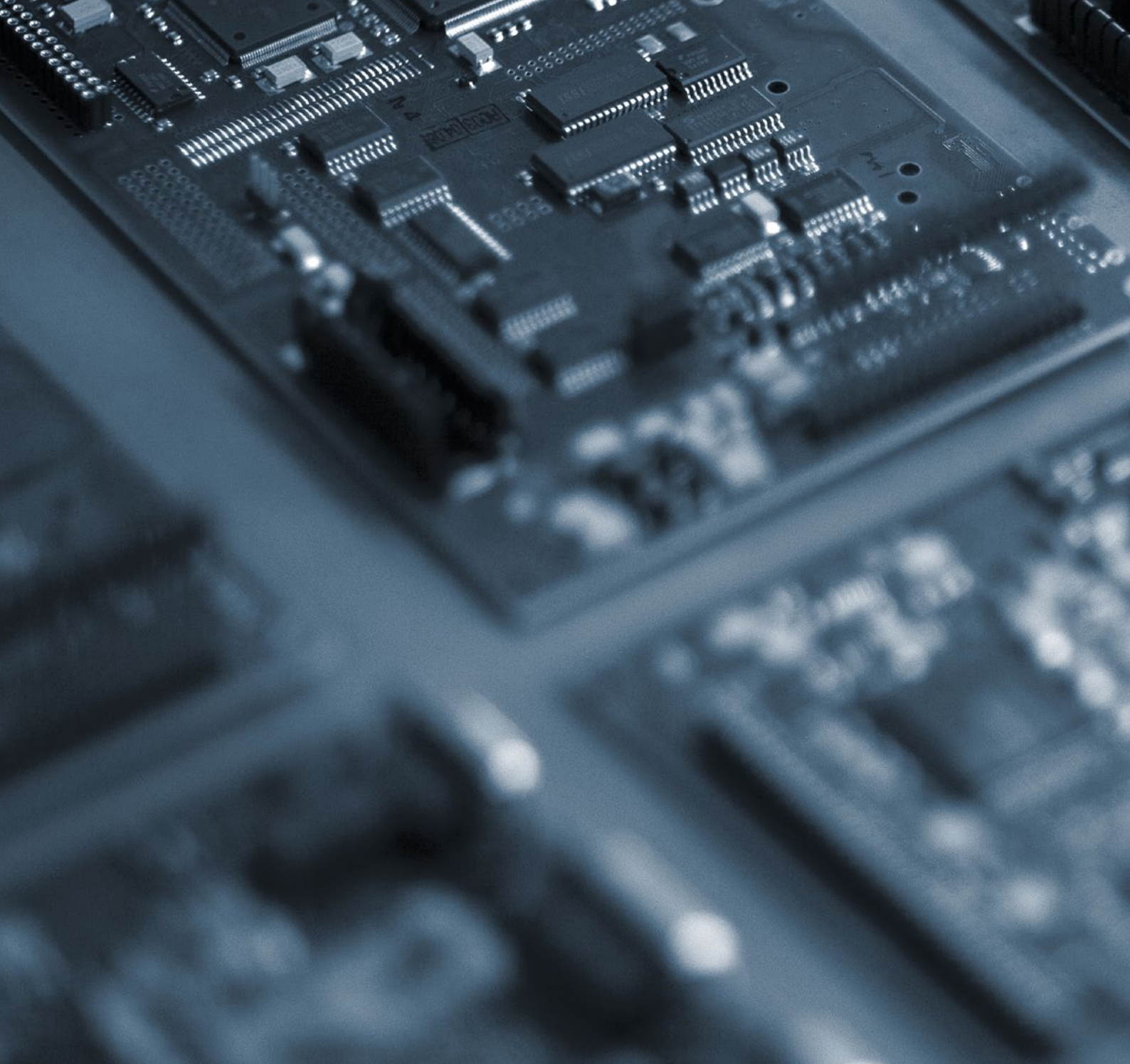
They can be found everywhere where reliability, efficiency, compact drive component configuration, and the lowest possible energy consumption are required.

When it comes to designing unique special-purpose motors for your specific requirements, you will certainly benefit from the expertise of the specialists from Bochum. This might mean air-cooled motors with integrated frequency converters and customer-specific software. Or liquid-cooled motors with additional shaft-cooling options for special performance requirements and an extra bronze coating in the cooling channels to increase corrosion protection.

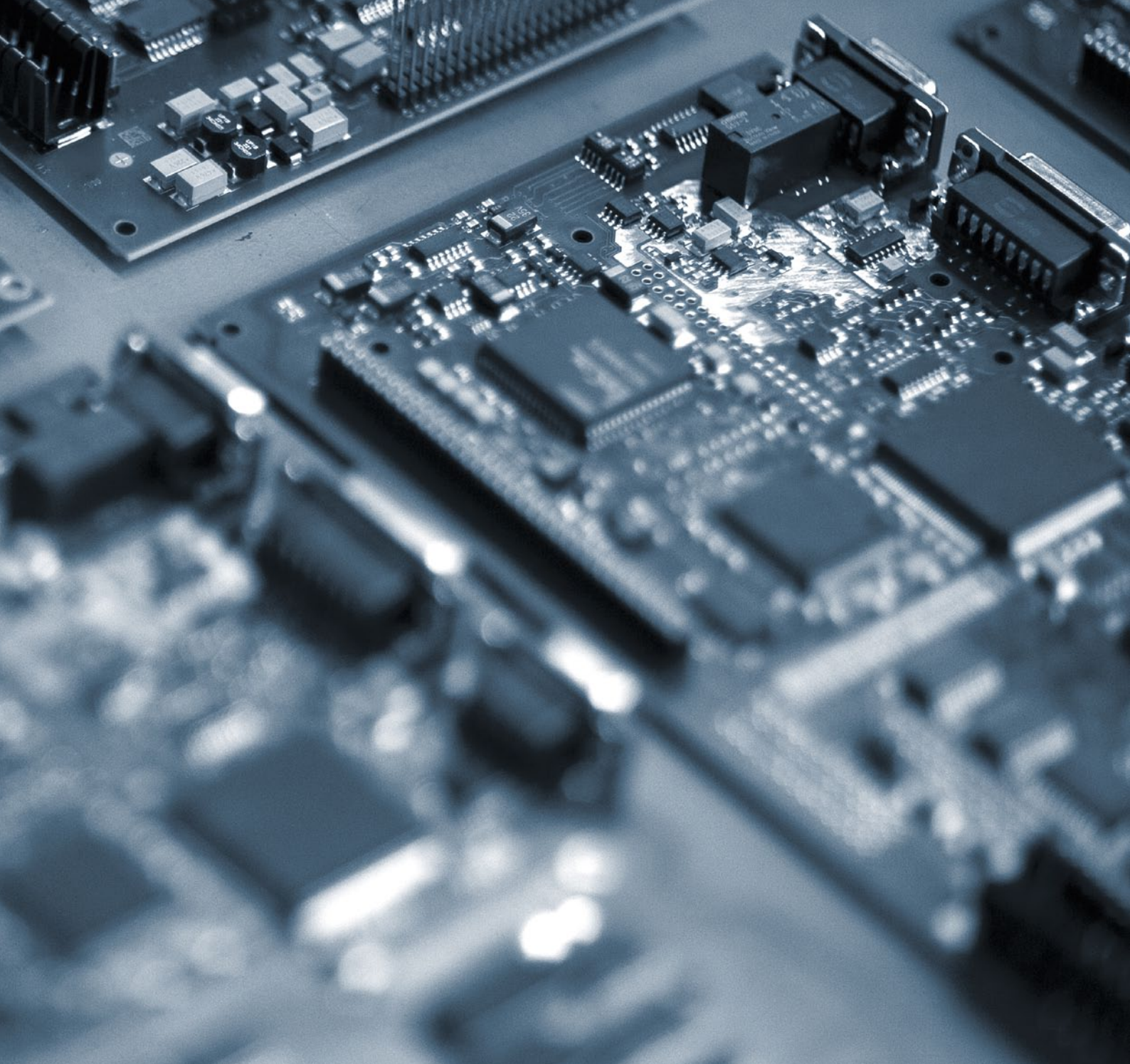
**BREUER ALWAYS FINDS A WAY.
NO MATTER WHAT.**







WHEN IT COMES TO FREQUENCY CONVERTERS,
precision work is in demand.



Frequency converters from Breuer are used for such purposes as drive systems for rail vehicles, tunnel excavation machines, testing-facility equipment, and special-purpose vehicles such as straddle carriers and shuttle cars.

We develop solutions for the entire drive task in question in cooperation with the customer. This includes motor configuration, adaption to network properties, and observance of official standards. The result: connection-ready units for single- or multiple-motor drives in a wide variety of applications and industries.

BREUER ALWAYS ADAPTS THE FREQUENCY CONVERTERS FOR THE CUSTOMER'S SPECIFIC APPLICATION.



VARIABLE FREQUENCY DRIVE MOTORS FROM BREUER CREATE DRIVE.

Even for cost reduction.

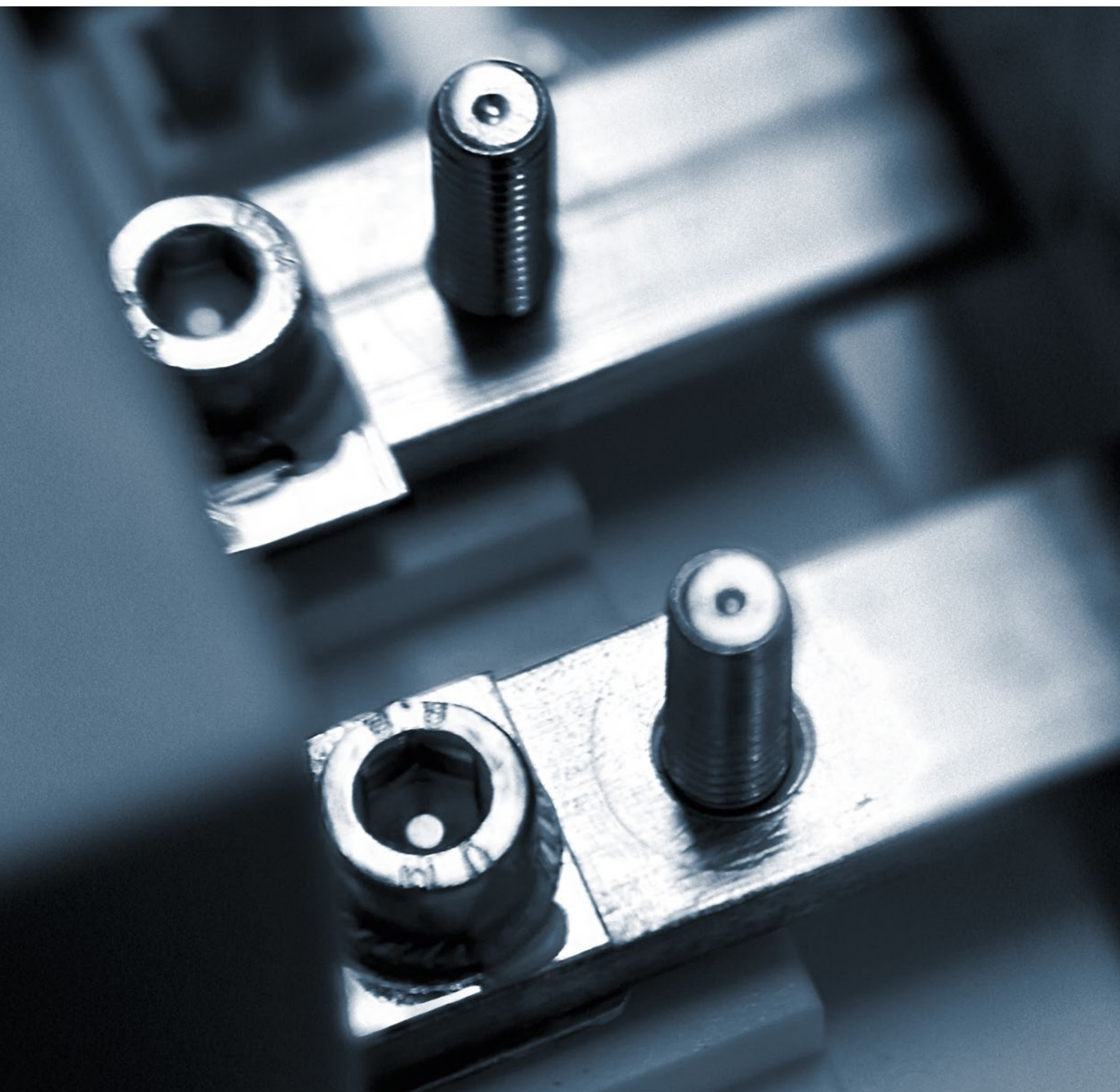
VFD-motors have been standard in the low-power category in general industry for several years. Breuer has been producing this technology for drive powers of up to 1,6 MW since 1999. Since then, our VFD-motors have been used in many drive systems for mining machines. Examples include plow systems, cutting and loading machines, armored face conveyors, conveyor belt systems,

and suspended monorails. The same procedure as for frequency converters is used in this process: Breuer adapts them to the customer's specific application. This also includes the motor configuration, network connection, and wiring. At Breuer, a unique solution comes as standard.

**AFTER ALL, THE GOAL IS ALWAYS
TO OPTIMIZE THE CUSTOMER'S PRODUCTION
PROCESSES AS FAR AS POSSIBLE.**

BREUER CUSTOM DESIGNS:

Solutions for special requirements.



Breuer is the ideal expert partner to turn to whenever individual applications or special small runs are required. We supply efficient and advanced frequency converter technologies for synchronous and asynchronous motors to propel electric vehicles and vehicles with hybrid and diesel-electric drives. The spectrum of use ranges from municipal vehicles and construction

machines to straddle carriers. A great number of integrated system technologies such as intelligent battery management for hybrid vehicles maximize performance and minimize energy consumption.

**ALL SERVICES FROM A SINGLE PARTNER:
FROM THE IDEA, TO THE DEVELOPMENT, PROTOTYPE
CONSTRUCTION, AND SERIAL PRODUCTION.**



CONTACT

As you well know, there are no problems – just the beginnings of solutions. If you have any questions or would like more detailed information, please don't hesitate to call or write us.



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By the way: Breuer is of course certified in accordance with the latest standards and familiar with the relevant country-specific standards, such as ATEX, IEC-Ex, GOST, MSHA, MA, UL, CSA, etc., as well as the commensurate certification procedures.