

## HE SYSTEM ELECTRONIC GMBH

**HE System Electronic** is your specialist in design and connection technology for **power electronics, sensor technology** and **microsystems**. With our broad product range, we are renowned among customers in markets like **Industry, Automotive, Medical, Railroad** and **Aviation**.

**CUSING®** is our product strategy for power modules which offers you a high power density, low inductance and high flexibility. We develop and produce modules for all voltage ranges: 12V–1.700V. Furthermore, we advise you which combination of chip and material is the best for your needs no matter whether it's a leadframe, DCB, AMB, bus bar, PCB or IMS. Our **CUSING®** team has not only the ability to create DBC, Al bond wire sintered or glued components, but also flexible 3D structures with "intelligent" clips.

The standard module consists of circuit carriers with copper surface, silicon or silicon carbide semiconductor and a copper clip, all connected by silver sintering. The top site sintering guarantees a higher durability, reliability and performance. Products like inverters and switches are applications in e-mobility, powertrain and smaller auxiliary engines respectively for separating individual circuit cycles.

**HE System Electronic** is a medium-sized company based in Veitsbronn, the Nuremberg metropolitan area. Besides the headquarter our second production site in Obermichelbach provides us 1.200m<sup>2</sup> additional production area, production by **IATF 16949** standard. Founded as an electronic manufacturing service in the field of hybrid technology, **HE System Electronic** established itself as a skilled development and production partner and has helped its customers to be successful in the product areas of sensor technology and power electronics for many years. Our growth has been supported by our parent company, **TKH Technologie Deutschland AG** in Nettetal. Thus, we offer our customers the best of both worlds: the financially stable background of a healthy, successful holding company and the innovative power and fast response of a medium sized company.