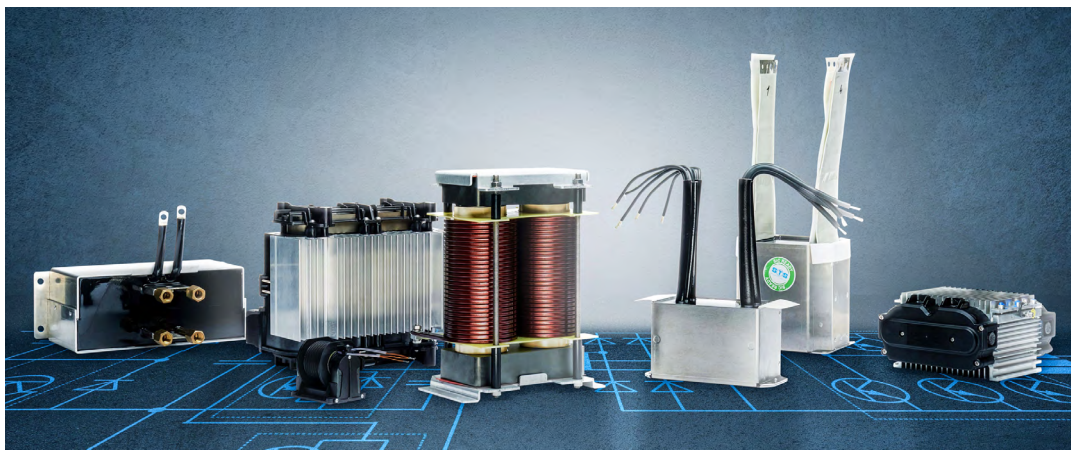


**Global Success –
Made in Germany**

STS in the most southern part of Germany close to Lake of Constance: your experts in custom-specific inductive components. Renowned companies around the world use our customised solutions for inductive components – from industry and medicine to railway technology and smart grid applications. Since 1973, we have been developing and manufacturing inductive components with high power density, high efficiency and high demanding insulation and cooling requirements. We cover power ranges up to 10 MW, voltages up to 60 kV, currents up to 10 kA and frequencies from 1 kHz to 10 MHz.



INDUR INDUCTOR

Product Development

Each and every project is supported by a experienced STS application engineer, from the first project meeting to the series production stage. Early on in your

project, we will advise you on the optimal design for your inductive component with a view to keeping the product and overall system costs as low as possible. Key is the focus of your design: Is achieving the optimum power density, boosting the level of efficiency or keeping costs down at the top of your list? Which cooling system is available for your application – free convection, contact cooling or direct and indirect water cooling? Which shock, vibration and environmental influences need to be taken into account? Based on the answers to these questions, your inductive component will be optimised to your requirements and the relevant standards. Our objective is to provide you with a component that remains reliable throughout its lifecycle and is optimally designed from a technical and commercial point of view. We rigorously check whether your transformers and inductors meet their technical requirements and our high-quality

standards. For example, we check whether all norms and safety standards have been complied with. With our testing equipment we can check thermal behaviour of your inductive component by AC and DC losses. We subject each component to all of the safety-related insulation tests required for it to comply with the relevant standards. With all of these steps we have one goal in mind: swiftly providing you with the first functioning prototype with a view to shortening your development times.

