



# More Power

## FOR E-MOBILITY

Powerful key components for safe and reliable charging technology.

- | Contact Systems
- | Wire Harnesses
- | Power Magnetics
- | Thermal Sensors
- | Electronic Sub-assemblies



**ELECTRIFIES**  
AND CONNECTS  
since 1993

[e-mobility.alacsystems.de](http://e-mobility.alacsystems.de)



Our products and our team:  
**ELECTRIFYING**  
 AND **CONNECTING**



Customized solutions for your next great product.



## INNOVATIVE SOLUTIONS

Reliable, safe and modular

The electrification of mobility continues to gain momentum, but topics such as battery technology and infrastructure are the main focus. At the same time, optimum connection technology plays a role that should not be underestimated – This is where ALAC-systems is able to make a forward-looking contribution with innovative developments and products for infrastructure operators, charging stations, vehicle manufacturers and their suppliers.

In close cooperation with our customers, we develop and manufacture innovative and tailor-made solutions that fit your product, your project and your goals exactly. Our manufacturing capabilities and our global positioning enable us to flexibly adjust the volume of the products as desired.

### Our strengths

- Cooperative and trustful cooperation
- Flexible and scalable production capacities
- High vertical range of manufacture
- Automotive quality standards
- Engineered in Germany



### Our services

- Concepts and implementation
- Design for manufacturing
- Prototype and sample construction
- Ensuring high product availability
- Material checks (IMDS / REACH / RoHS / Conflict minerals)
- Global Sourcing
- Serial production according to IATF 16949
- Process monitoring and control
- Quality monitoring and optimization
- Process and product optimization
- Logistics, warehousing and customs
- Processing complaints

ALACsystems GmbH is certified according to:  
 ISO9001:2015  
 AEO-DE AEOF 118110  
 Serial production according to: IATF 16949



### Customized components for electrified applications

You will not find our products in any catalog, but in numerous applications of our customers who value our technically and economically solutions – 100% tailored to the requirements and the respective application.

### Our current projects in the field of electromobility

- Customized connectors for PCB connection
- Series-tested contact systems for high-current contacting
- Cable assembly and connection to the environment
- High-voltage cable assemblies
- Hybrid parts with integrated electronic components
- Current measuring transformer with integrated cable and electronics connection
- Plastic-metal composite parts with BIZON® Press-fit contacts for connection to printed circuit boards
- Power electronics components
- Thermal sensor modules
- Double shunt with integrated connector for battery systems in plug-in hybrid vehicles
- Inductive components and winding goods for DC charging stations and on-board chargers

### The advantages of our solutions

- Easy integration into the existing inlet
- Extremely compact design
- Flexible printed circuit board design allows for various variants
- Robust system through the simplification of components, e.g. by eliminating soldering processes (BIZON®)
- Increased functionality of the charging inlet through the integration of additional features
- High process reliability through tested and qualified manufacturing technologies
- Cost reduction and optimization, especially for large volumes, through an increased degree of automation

“We deliver with the quality thinking of a supplier to the automobile industry.”

Dr. Alfons Naber | CEO, ALACsystems GmbH



You can find more information in our company brochure.



“Do not spend any more time looking for the right product, but the right partner for development and production.”

Kay Naber  
 CEO, ALACsystems GmbH

Picture: Adobe Stock, Sergii Chernov





## Tailor-made connection through component production - for each Topology implementable.

Where space and performance are important factors, magnetic components require an individual and secure connection to the circuit board to compensate for the thermal and mechanical loads in the housing.

We offer modules with high efficiency, effective heat management, low losses and easy integration at competitive prices - for complex systems and topologies.

Our range of services includes:

Function-integrated modules with electronics (active / passive)

Injection molded housing with integrated connectors, e.g. with an additional function as a component carrier

Plastic overmoulded leadframe connectors for soldering / welding / press fit

Development & production of heat sinks

Combination of different connection and connection technologies such as Pressfit (BIZON® & WICON®), High-current contacts and "standard plug-in systems"

Complex systems possible as a development partner

Depending on requirements we supply the latest components or alternatively, we integrate them in complete systems.

Our range of individual components includes:

Common Mode Chokes

LLC Modules

PFC Modules

Transformers

Components for Current Transformers

Wireless Charging Modules



More information can be found in our new Magetics brochure.

