



AKKA

PASSION FOR
TECHNOLOGIES

ELECTRICAL TESTING

YOUR EXPERT FOR COMPONENT TESTING

The spectrum of electrical and electronic component products is playing an increasingly important role in today's product development. And increasingly complex are the requirements expected of the components. In order to guarantee these requirements are met, safeguarding the components represents a decisive factor in the development process.

The AKKA Group, one of the leading engineering and consulting service providers in Europe, supports customers in their efforts to verify the function of their components, as well as optimize their service life and standard of quality. Our customers benefit from long-standing experience and expertise in the area of E/E testing.

WHAT WE OFFER

At AKKA, we perform electrical testing in accordance with the customer's individual requirements, as well as the generally accepted standards. Examples from our testing portfolio include components from:

- The automobile industry
- Mechanical Engineering
- Measurement and Control
- Household appliances
- Information Technology
- Energy Management
- Medical Technology

OUR ADDED VALUE

- Testing of almost all products and their components
- Test planning according to customer-specific guidelines and following extensive consultation
- Testing carried out according to standards
- Test evaluations carried out by experienced engineers
- Structured preparation and documentation of test results for a transparent decision-making basis
- Recommendations for further testing and development consulting
- Cost efficiency based on coordination and implementation of all activities in-house



Automotive



Aerospace



Railway



Energy



Life Sciences



Telecoms



Space



Services and
Informations Systems



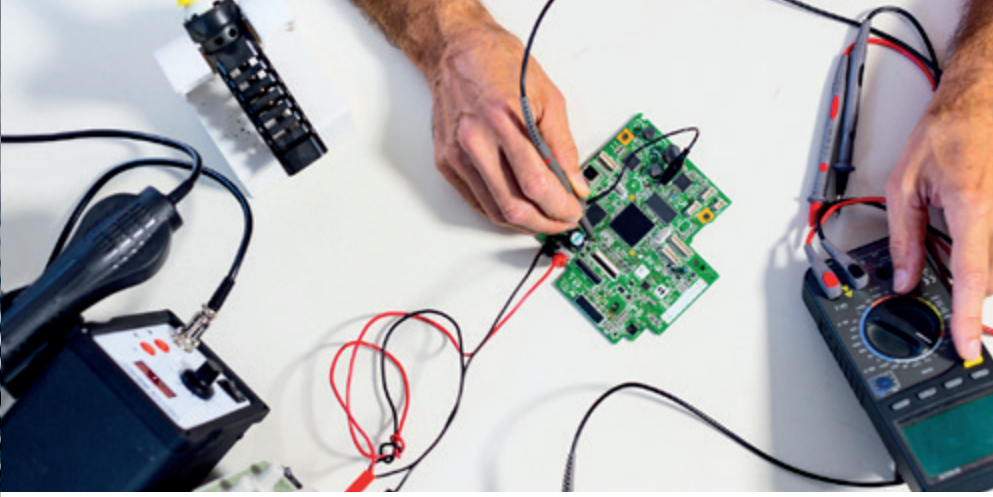
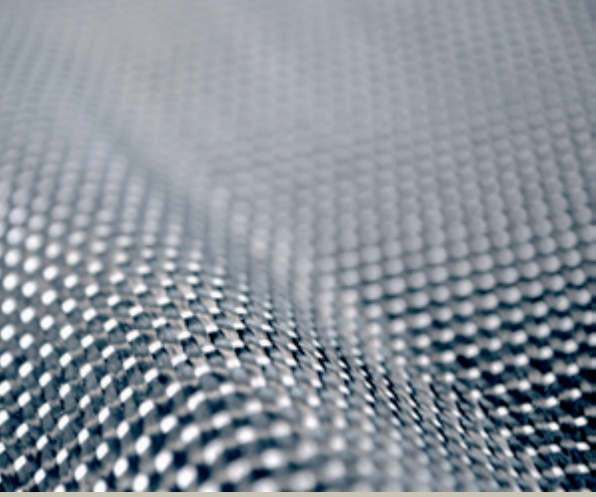
Defence



Oil and Gas



Consulting



SIMULATION OF ELECTRICAL FUNCTIONS IN PRODUCT DEVELOPMENT

NORMATIVE TESTING IN ACCORDANCE WITH THE AUTOMOTIVE INDUSTRY STANDARD

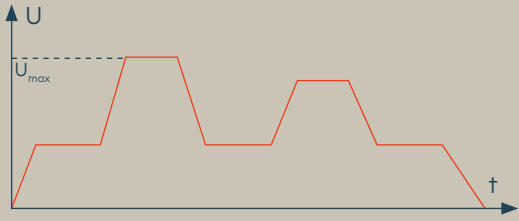
- LV124
- MBN LV124-1
- VW80000-1
- BMW GS 95024-2-1
- VDA 320
- LV148
- MBN 10615
- VW 82148
- BMW GS 95026
- etc.

EXAMPLES OF TESTING PROCEDURES

- Long-term overvoltage
- Transient overvoltage/undervoltage
- Jump-start
- Load dump
- Superimposed alternating voltages
- Reset response
- Interruption of pin or connector
- Polarity test
- Ground offset
- Insulation resistance
- Dielectric strength
- Overcurrents

In addition to purely electrical testing, AKKA offers further functional testing and validation in combination with environmental simulation. This expertise also enables us to carry out all tests under stricter climatic conditions. We are thus in a position to take a more specific approach to your customer requirements.

In order to be able to meet all your requirements when it comes to product testing, we also provide services in the areas of thermal protection, electromagnetic compatibility, as well as operating stability.



Example of a test pulse



Electrical function test at the control unit



LV124 Test system for normative testing