



AKKA

PASSION FOR TECHNOLOGIES



PERMANENT WAKEUP TEST

SOFTWARE FOR ECU RELIABILITY TESTS AND MORE

The Permanent Wakeup Test (PWT) can be defined as a stress test for the wakeup and sleep behavior of electronic control units (ECUs). The tested control units are triggered to wake up repeatedly in different states of network management to verify their wakeup behavior on a specific cluster. Consequently, the Permanent Wakeup Test can identify whether an electronic control unit takes too long to wake up or if it does wake up at all.

With the help of this software our customers generate not only convincing measurement results but also gain exact insights into how the devices under test behave in different operational situations. The PWT allows its users to test single components either as stand-alone tool or as add-on of the AKKA Networking Test Suite, whereas the first variant also covers higher test levels such as cluster and vehicle testing level.

Thanks to vast configuration options, the user can parameterize each test run individually, benefit from a smooth user flow and efficiency-oriented tool handling. A detailed report provides a transparent overview of the ECU behavior to comprehend critical operational states before integration into networks and vehicle topologies.

OUR ADDED VALUE

- All common bus interfaces in one tool
- Comprehensive test settings for a precise execution of stress tests
- Transparent results and trace data
- Automated test execution and test queue
- Continuous integration-ready test configurations and command line interface options
- Cluster and vehicle test coverage

Click or scan to learn more:



Automotive



Aerospace



Railway



Energy



Life Sciences



Telecoms



Space



Services and Informations Systems



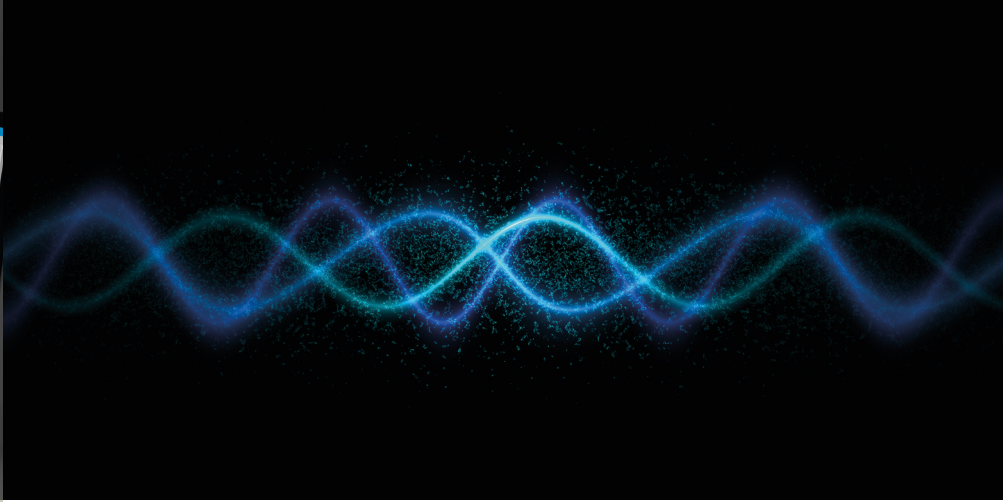
Defence



Oil and Gas



Consulting



HIGHLIGHTS



Transparent results



Early error detection



Automated execution



Test queue



Parallel tests



Intuitive GUI



Competent product support

GAIN PERMANENT INSIGHTS

TRANSPARENT AND COMPREHENSIVE

Test your control units' behavior in detail to enable efficient component integration.

The PWT allows you to test your device's wakeup and sleep behavior individually by setting the required parameters. You can either analyze critical phases or run an endurance test for several days. To make your testing more efficient, the PWT enables you to test ECUs on the same CAN, FlexRay or Ethernet cluster in parallel as well as LIN clusters having the same backbone cluster.

HIGH STANDARDS

The PWT is compatible with current Vector Informatik GmbH network hardware and VH11xx power supplies. As an alternative you can use common laboratory power supplies for your testing activities. The PWT is capable of running tests for CAN, CAN FD, Ethernet, FlexRay and LIN clusters and follows AUTOSAR Network Management standards.

COMFORTABLE STRESS TESTING

To stress test an ECU, our users can lean back and benefit from user-friendly functionalities. Portable configurations, transparent reports, detailed graphs or intuitive command line interface syntax allow you to start using the PWT right on.