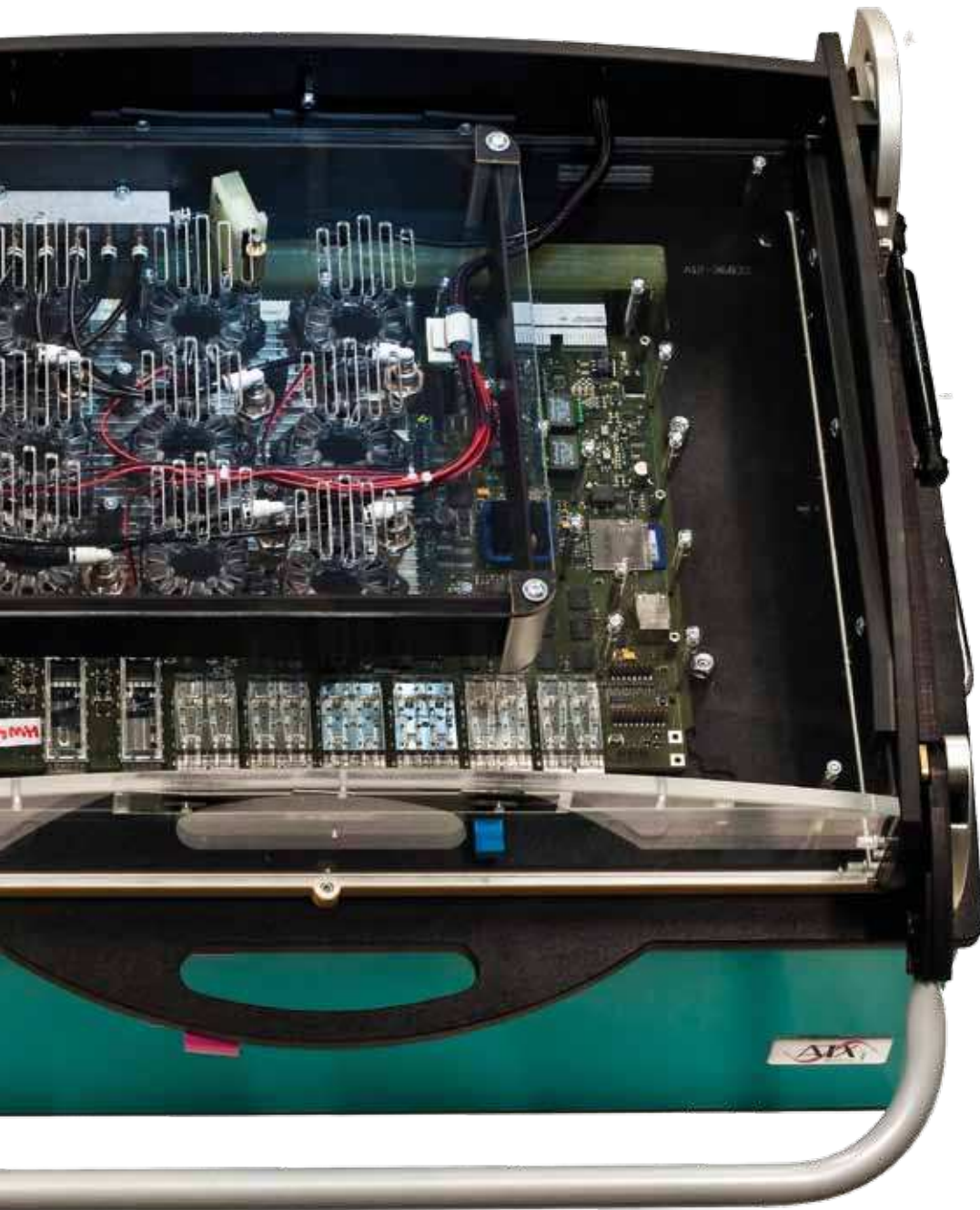


ESPOTEL

Procket – testing provides reliability for the production process





Testing provides reliability for the production process

Today, electronics companies are paying a lot of attention to testing of electronics production. Shortened product life-cycles and increased complexity together with decreasing market prices make the NPI (New Product Introduction) process more challenging in terms of time and money.

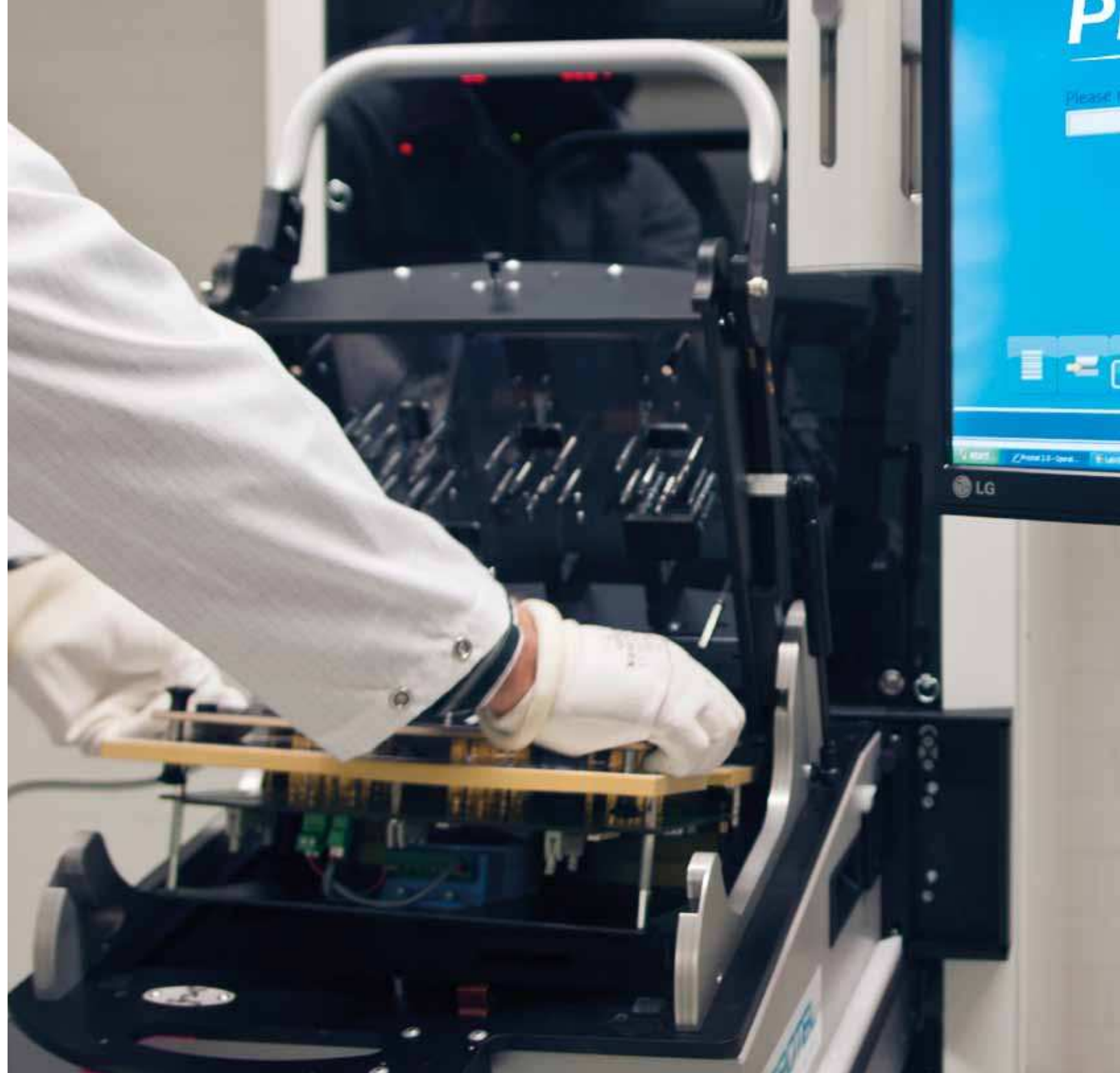
Testing acts as a meter to ensure that the product meets the requirements and the production process is working as expected. The quality of testing systems and the ability to monitor the production processes are emphasised further if production is distributed among different plants. Harmonised testing systems can be used to ensure that products manufactured at different factories are of equal quality.



Versatile Procket System

Procket system consists of basic platform of testing device and product-specific test adapters as well as test applications connected to it.

The testing system is tailored individually to every customer. The basic platform is selected according to customer's product volumes and titles. The measurement devices are selected so as to be able to test all products covered by the test system. Test adapters and test application are designed and manufactured for each product. A single system may include several dozens, even hundreds of them. The test application is based on Procket platform's ready-made electronics, mechanics and software solutions, which accelerate development work and improve system quality. The reliability of the test system and ease of maintenance play a key role during the product's lifecycle.





What makes the Procket system unique is the fact that the same system can be used during product development for the automation of testing and for quality control. Automated tests in both product development and production reduce the likelihood of human errors and increase productivity.

Quality Through the process

In a testing project, it is essential that Espotel's test system designers co-operate with the customer's product development team. The product development background of Espotel's designers combined with their competences in testing guarantee the best possible end result. Espotel also offers its customers testing design service, which ensures good testability of the product during product development and production.

Defects are eliminated with an automated system

It is generally estimated that 80 per cent of product defects are generated in product development and only 20 per cent occur in production. Therefore, it is extremely important to pay close attention to planning, testing and automation of testability already during the product development stage.

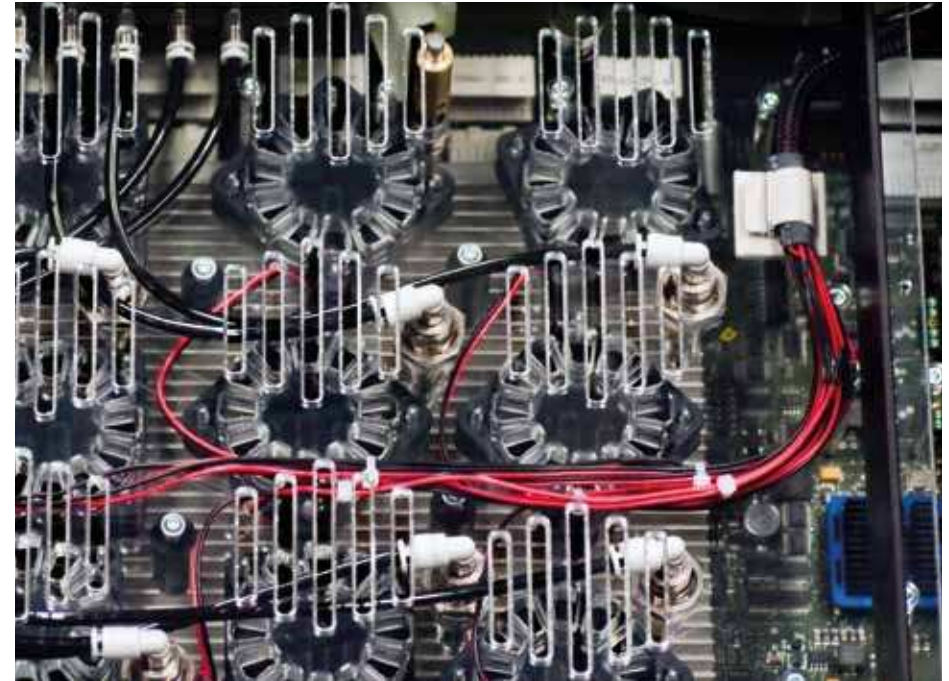
Case Aidon

Reliability of the testing system guarantees high quality



Specialising in smart energy metering and smart grid applications, the technology company Aidon is Finland's market leader in its field. The company offers new-generation energy service devices based on open architecture as well as data transfer and system solutions.

The company enjoys a long-standing co-operation with Espotel, for example, in the product development of production tests and remote meter reading.



Aidon supplies its customers with approximately 300,000–400,000 electricity meters each year, and therefore the reliability of testing system, quality, durability of components and end products play a key part. Espotel has supplied Aidon with several test systems, and both companies have also current co-operation projects under way.

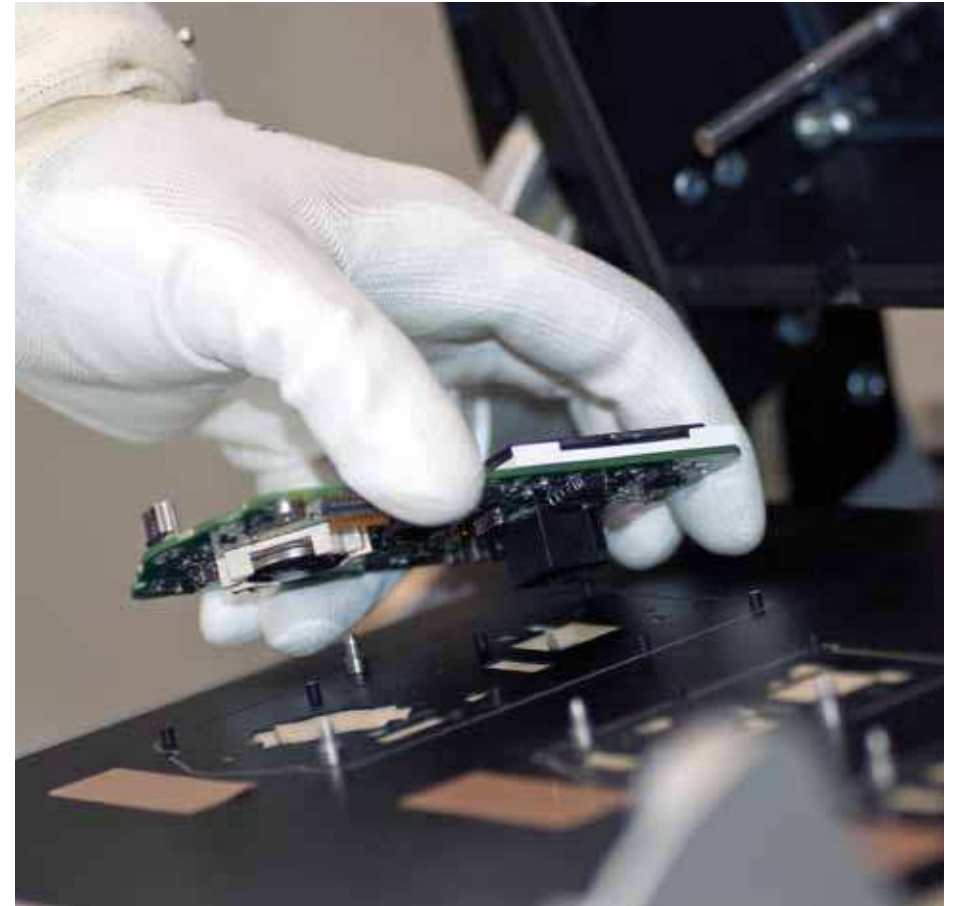
'When we launch a new product development project, we combine Espotel's knowhow in productification and testing-related issues with testing itself – in other words, we need a comprehensive package on a turnkey principle,'

explains **Petri Ounila**, Head of Production in Aidon.

When the same people have worked together for a long time, their co-operation has become a seamless process. A significant part of Aidon's product development is carried out together with Espotel. The results speak for themselves: even if the projects have encountered some problems, the goals have always been reached and the end results have been excellent, says Ounila.



'In Finland, there are not many testing houses with embedded software and production competence under the same roof. On the Finnish scale, Espotel is the only credible player with a sufficient scope, expertise and knowhow to do business,' Ounila points out.



Aidon's current market area comprises Finland, Sweden and Norway. The company's near-future target is to become market leader in the Nordic countries. In the longer perspective, Aidon will be aiming at the major markets in the rest of Europe.

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