

“Adoption of test robotics enabled the repetition of fully consistent test situations”

In 2014, a customer of ours, which operates globally and uses touch-screen technology, adopted a test system that we supplied. The company wanted to repeat authentic test situations in its product development at regular intervals and to minimise human-based differences in test situations. Consequently, they wanted the testing to produce results that could be completely and directly compared with one another, which is of primary significance in terms of analyses and conclusions in product development. Thanks to OptoFidelity’s test system and robotics, laborious, imprecise tests made with human labour could be replaced with automated testing that supports product development.

INITIAL SITUATION:

The customer’s goal was to measure elements utilising the user experience, such as UI latency and the ease of using mobile devices. The customer’s previous testing method was hampered with difficulties in the comparability of results, as those results were too dependent on the individuals who carried out the tests. Also, some test phases were extremely arduous and time-consuming, and some analyses had to be made by hand.

SOLUTION:

As the solution, OptoFidelity supplied the customer with three test environments that also have a few test robots. The customer made a long-term investment in the new test system, because test environments are often used at regular intervals.

“OptoFidelity helped provide our organisation with the capability and opportunity for repeating authentic testing situations whenever the need arises.”

CHANGE BROUGHT ABOUT BY THE TESTING IDEOLOGY:

OptoFidelity’s solutions are targeted at a certain need for testing product development and production. Customers who use our solutions provide us with excellent feedback on how the adoption of OptoFidelity’s systems is effortless, in comparison with other systems, and the precision of the test results is of another standard altogether. The possibilities for integrating the various solutions are an outstanding addition to OptoFidelity’s systems, as every organisation has its own special needs.

With the supplied testing environments, the customer was able to experience how the Human Simulator Approach brings results, facilitates work and increases the utilisation of testing at any stage of product development or production.

Benefits produced by the new testing ideology and test systems:

- Complete comparability of testing results
- Clear improvement in testing efficiency and obtaining of analysis reports
- Acceleration of testing cycles, as the testing environment is ready for use whenever necessary
- Test reports remarkably facilitate comparisons with competitors’ units