



CASE A software testing environment for a leading supplier of cargo handling equipment

Ixonos' customer is a leading supplier of equipment for handling containers and other cargo, and an expert in port automation. The customer produces comprehensive systems for the world's largest ports and terminals. Ixonos provided the customer with a software testing environment to support a large delivery project.

Background

The customer delivered an automated container handling system to a large port authority. The system's IT solutions consisted of software components and system entities from several providers. Ensuring and integrating the functionality of components from various suppliers emerged as a significant challenge. Ixonos contributed its experience in multi-provider project management, as well as process knowledge regarding software development, testing and integration.

Solution

Ixonos provided the customer with a networked working environment which supports the collaboration between the customer and the subcontractors. The solution, built on Open Source code, includes tools for managing documentation, knowledge, testing, and fault information. The project's software suppliers applied the solution platform, developed and maintained by Ixonos, to software release design and documentation. Ixonos acted as testing consultant, contributing especially to the module testing of components, as well as to system-wide integration testing. Overall, testing was a significant phase of the project. Ixonos' experienced testing specialists also directed the product completeness measurement. Software testing processes were developed together with the customer, and partly applied to the integration testing of software products provided by suppliers participating in the project.

Benefits

The services of Ixonos helped to measure and verify the functionality and maturity of the software products before delivery to the end client. Ixonos' testing and reporting also provided the end client with a view of the system development progress. Ixonos guided the customer in using the testing tools, as well as in the software testing processes. This will continue to enhance the quality of end client deliveries.