

BD Medical reduces business risks and maintenance efforts



About BD Medical

Becton, Dickinson and Company - BD Medical is among the world's leading suppliers of medical devices and a leading innovator in injection- and infusion-based drug delivery since 1906. The BD Medical segment is focused on providing innovative solutions to reduce the spread of infection, enhance diabetes treatment and advance drug delivery.

Business Setting

The project's goal was to establish a test team, tool and automated test portfolio for their software application BD Cato™. Prescribed in compliance with the Medical Device standard ISO 13485 and the European

Medical Device Directive using state of the art testing methodology and automation. Upon project launch, no test automation team had been assembled and no testing tool was available at BD Medical.

Business Challenge

A single tool for test management and test automation had to be found in order to meet the requirements. The tool would have to be user intuitive, in order to enable staff quickly. During the production phase, the maintenance impact must be minimal. For BD Cato™ under a certified QS, regression testing cannot be smoke tests executing only a fraction of the test cases but are required to have a 100% guaranteed

coverage of the above listed requirements.

Tricentis Solution

Tricentis helped providing three solutions: First it demonstrated the actual test coverage to the auditor. Secondly, it provided the means to maintain control over the number of test cases in an ever growing project. And last but not least, combinations of combinatorial algorithms like Linear Expansion, Orthogonal and all combinations could be applied to optimize the BD Medical test case portfolio. BD Medical was able to increase their risk coverage as well as speed up time to market, crucial for any hot fixes that crop up in their medical software. ■

INCREASE IN RISK COVERAGE



OPTIMIZED EFFICIENCY



ACCELERATE TIME TO VALUE

