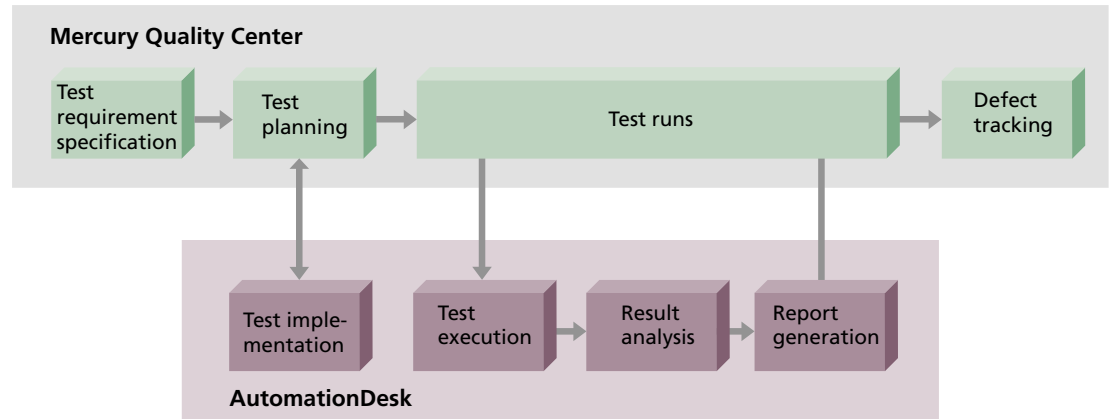# A Seamless Test Process

- ◢ **AutomationDesk connection to Mercury Quality Center™/ TestDirector®**

- ◢ **Access to AutomationDesk via Quality Center Clients**

- ◢ **Central data storage within Quality Center**

The open architecture of dSPACE's test automation software AutomationDesk allows it to be used in other development environments. At a customer's request, AutomationDesk can be connected to the Web-based test management tool Mercury Quality Center™ (or Mercury TestDirector®) to provide the benefits of both tools. The result is a seamless tool-based test process from test requirement specification to defect tracking.

▲ *Test process with Quality Center and AutomationDesk.*

Mercury Quality Center and AutomationDesk

When the two programs are linked, tests can be managed and selected in Quality Center and remotely executed in AutomationDesk. Quality Center is used to organize and manage all the phases of the test process, including test requirement specification, test planning, test runs, and defect tracking. Directly test-related tasks like test implementation, test execution, result analysis, and report generation are performed with AutomationDesk, which provides easy access to hardware-in-the-loop platforms, and to measurement and calibration systems. Most test process users do not have to know the handling of AutomationDesk in detail, because important functions of Automation-Desk are available via Quality Center clients.

Benefits of Both Tools

Combining AutomationDesk with Mercury Quality Center provides the features and benefits of both tools:

- ◢ Seamless test process from test requirement specification to defect tracking
- ◢ Quality Center's process management facilities

- ◢ Graphical test development and access to dSPACE Simulator with AutomationDesk
- ◢ Central data storage within Mercury Quality Center
- ◢ Access to all AutomationDesk tests and results from any Quality Center client

The Interaction

Mercury Quality Center consists of clients (Web server based user front ends) and a server (a database containing tests, defects, workflows, etc.). AutomationDesk and Quality Center are connected via a COM interface. Projects from AutomationDesk can be exported and added to the Quality Center database. AutomationDesk projects can be viewed, parameterized, and executed in the Quality Center client. AutomationDesk's test results and reports are added to the Quality Center database and can be viewed on any Quality Center client.

It is also possible to connect AutomationDesk to Mercury TestDirector, which was recently integrated with Quality Center.