

HCL'S ELECTRONIC DEVICE AUTOMATION TESTING (EDAT™) HELPS LEADING AEROSPACE GROUP WITH **80% REDUCTION** IN TEST CYCLE



THE CLIENT PROFILE

A leading French aerospace group supplying systems and equipment for aircraft.



EXISTING BUSINESS CHALLENGES

The client was manufacturing shower control units (SCU) for private flights. Since the SCUs were manually tested, it was a protracted and cost-intensive process. Moreover, there was a need to maintain different test environments for a diverse range of products. Test automation was therefore, an essential requisite.

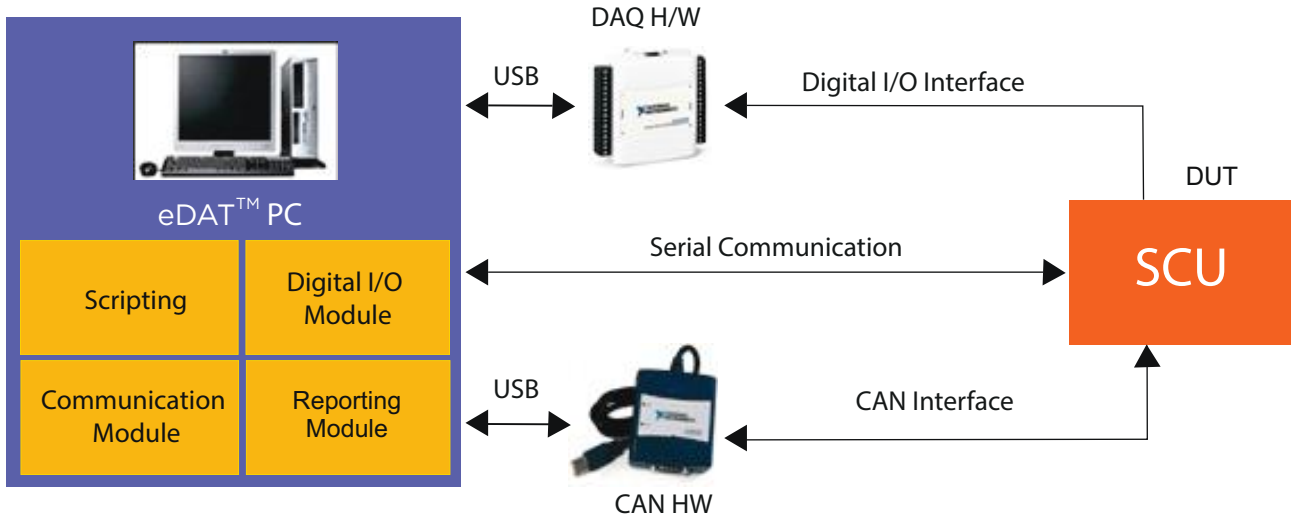


HCL'S METHODOLOGY & SOLUTION

HCL's test automation services implemented electronic device automation testing (eDAT™), which has a modular, scalable, extendable, and customizable framework. It simplifies the process by allowing physical interaction customization during the test. Additionally, eDAT™ facilitates test automation via the black box approach - through hardware and software interface accelerators.

Apart from electronic device automation testing, HCL also performed an as-is process analysis to identify automatable test cases for reducing test cycle time and improving productivity.

The above frame work, including the test automation capabilities significantly changed the process landscape.



BENEFITS DELIVERED

HCL's test automation services had several transformative impacts. The deployment of eDAT™ helped in simulating control signals to valves and switches to enable the programming pins. eDAT™ also facilitated sending commands and receiving messages through serial interfaces and delivering messages over CAN bus.

The effective implementation of eDAT™ reduced test cycle time by 80% per regression cycle and provided more than 85% coverage during test automation. eDAT™ altered the paradigm for the customer, simplifying the testing environment.



To know more, Contact us at ersslus@hcl.com

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