

Increase output and efficiency by transforming a collection of test systems into managed lab

In every automotive test laboratory, more and more emphasis is being put on improving efficiency and output. In order to do both, today's lab manager must address these four major challenges:

- Many tasks that have traditionally been done manually must now be automated by a lab management system.
- This same lab management solution must be able to integrate test cell automation systems from multiple vendors.
- The current test cell utilization must be accurately tracked in order to identify existing inefficiencies and target areas for improvement.
- Large amounts of data must be stored in one central location, with easy but secure access.

A&D's LabWorX® addresses all of these issues and more, providing solutions for the integration of any test system, central data storage and retrieval, utilization tracking, and unattended 24/7/365 operation.

Benefits

- Increased lab efficiency and output through automation, integration and optimized data management
- Scalable to any lab size; grows with the needs of the lab
- Remote monitoring and notification capabilities allowing for reduced overhead

Features

- Centralized data storage and retrieval capabilities for managing multiple terabytes of data
- Seamless integration of test systems from multiple vendors
- Configurable dashboards providing customized views to all test systems
- Automated test cell utilization tracking and reporting

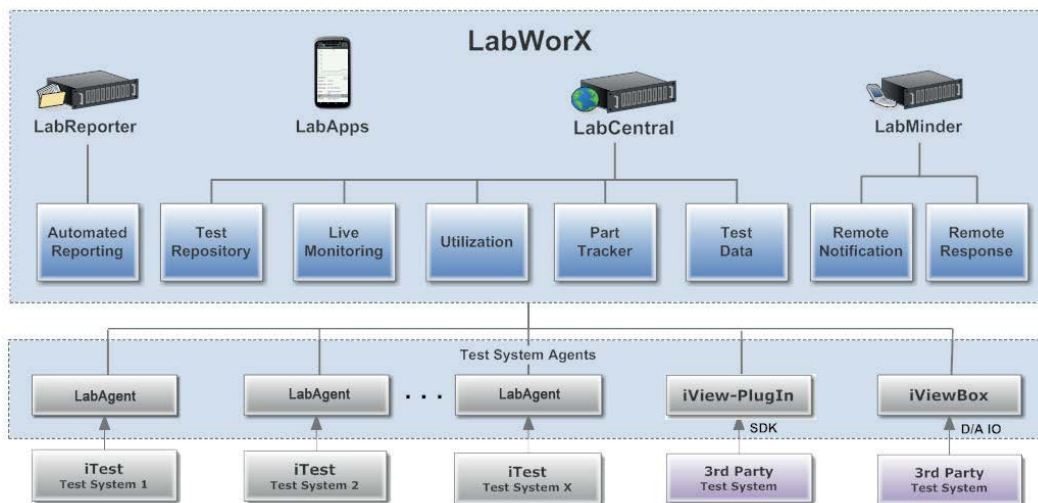
The screenshot displays the LabWorX LabCloud Server interface. It features a navigation bar with tabs for Dashboards, Test Systems, Test Data, Utilization, Part Tracker, LabScheduler, Administration, and Help. The main content area is titled 'Test Data Search' and includes a 'Clear Selections' button, a 'Download' button, an 'Edit Metadata' button, and a 'Tool: Interactive Plot' dropdown. A table lists test data with columns for Name, Project, End Time, Size, Test System, and Test Engineer. The table shows multiple entries for 'Dmo1Step_29947Trans.dat' and 'Dmo1Step_29948Trans.dat' under the 'XPRJ_Dmo1_5664' project. The interface also includes a 'Filter by Date Range' section with 'Start Date' and 'End Date' fields, a 'File Extensions' section with a search bar and a list of file types (.adf, .dat, .m4, .pdf, .pptx, .txt, .xls), and a 'Projects (8611)' section with a search bar and a list of project names.

Name	Project	End Time	Size	Test System	Test Engineer
Dmo1Step_29947Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:58:49	60618	CLOUDCLIENT22	Administrator
Dmo1Step_29948Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:57:44	60604	CLOUDCLIENT22	Administrator
Dmo1Step_29947Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:56:38	60612	CLOUDCLIENT22	Administrator
Dmo1Step_29946Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:55:33	60618	CLOUDCLIENT22	Administrator
Dmo1Step_29945Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:54:28	60604	CLOUDCLIENT22	Administrator
Dmo1Step_29944Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:53:22	60612	CLOUDCLIENT22	Administrator
Dmo1Step_29943Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:52:17	60618	CLOUDCLIENT22	Administrator
Dmo1Step_29942Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:51:12	60604	CLOUDCLIENT22	Administrator
Dmo1Step_29941Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:50:06	60612	CLOUDCLIENT22	Administrator
Dmo1Step_29940Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:49:01	60618	CLOUDCLIENT22	Administrator
Dmo1Step_29939Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:47:56	60604	CLOUDCLIENT22	Administrator
Dmo1Step_29938Trans.dat	XPRJ_Dmo1_5664	2019/06/18 08:46:50	60612	CLOUDCLIENT22	Administrator

A&D's LabWorX® provides solutions for the integration of any test system, central data storage and retrieval, utilization tracking and reporting, and 24/7/365 operation.



System Architecture



Standard LabWorX® Components

LabCentral®

The centralized server that provides data storage and retrieval, test system utilization tracking, test request scheduling, as well as live monitoring of any system through configurable dashboards.

LabMinder

An automated notification and response system that allows for 24/7/365 unattended operation; the system can be configured to provide specific responses when certain errors occur, and notify designated personnel of significant events by text or email.

LabReporter

An automated report generator that formats incoming data and makes it available via the LabCentral server.

LabApps

Android-compatible apps that provide notification and response capabilities via hand-held devices.

Test System Agent

The Test System Agent is an interface package required for integrating any test system with LabWorX. LabAgent is included with any A&D's software, while an LabAgent plug-in is available for use with standard third-party test systems. iViewBox is an IO package that provides the interface to third-party hardware-only test systems.

Contact Us to Discuss Your Applications

Europe

A&D Instruments Ltd.
Abingdon, Oxon, UK
PH: +44 (0)1235-550 420
www.andprecision.com

Americas

A&D Technology, Inc.
Ann Arbor, MI USA
Ph: +1 (734) 973-1111
www.AandDTech.com

Asia

A&D Technology Trading Co.
Shanghai, China
PH: +86 (0) 21-3393-2340
www.AandDTech.com

A&D Company, Ltd.
Tokyo, Japan
PH: +81 (0) 3-5391-2753
www.AandD.co.jp

Australia

A&D Australasia Pty Ltd.
Kensington, VIC, Australia
PH: +61 (0) 3-9372 1522
www.andaustralasia.com.au