

## Automotive Testing Expo North America 2008 October 22-24, 2008, Novi, Michigan, USA

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The Automotive Testing Expo in North America, the largest automotive test instruments exhibition in the United States was held from the 22-24 October 2008. Given the recent turmoil in the U.S automotive industry and the pressing demand for automobile companies to meet more rigorous environmental and fuel efficiency standards, this year's expo gave participants a chance to exhibit technologies that will provide a competitive advantage to tomorrow's market leader. A&D Technology Inc., one of our U.S. subsidiaries, took advantage of the opportunity to showcase their products and solutions.

This year, A&D displayed three new products, the WCAmmini, Procyon, and Phoenix. The WCAmmini is a new 4-channel analyzer that is powered by a USB bus power unit. We are also proud of its compact size (width 30cm x depth 30cm) and lightweight (330g). Many visitors were surprised that this small, portable unit had such advanced features. A&D has been selling the WCAmmini worldwide since September.

Procyon and the Phoenix will be launched in 2009. The Procyon is A&D's new platform for large-sized Hardware-In-the-Loop Simulation (HILS) applications.

[http://www.aanddtech.com/products/realtime\\_measurement\\_simulation\\_control/procyon/](http://www.aanddtech.com/products/realtime_measurement_simulation_control/procyon/)

Phoenix is a new 12-channel combustion analyzer with improved hardware performance that is affordable.

[http://www.aanddtech.com/downloads/datasheets/Phoenix\\_datasheet.pdf](http://www.aanddtech.com/downloads/datasheets/Phoenix_datasheet.pdf)



The WCAmmini [left] and Procyon [right]



Phoenix

In addition to these new products, we also displayed a diesel engine injector control system called an Electric Driving Unit (EDU). With EDU A&D has been able to realize the control of solenoid type injectors for diesel engines. A&D plans to launch a new EDU for piezo type injectors in the future.



AD5450 and EDU diesel engine injector control system

Please click on the link to download a more detailed description of the AD5453 Diesel Engine Control.  
[AD5452 Diesel Engine Control \(PDF 894KB\)](#)

We also exhibited our Orion software. Orion is turning out to be a promising automated calibration tool; Orion dramatically streamlines the calibration process for engine test benches. Please click on the link for further details.

<http://www.aandd.jp/products/dsp/pdf/orion02.pdf>



Orion software

One item that always draws guests to the A&D display is our flexible engine test bench control software. This software allows the user to define their own test sequences and is easy to connect to many instruments on a test bench. For more detailed information on iTest, please click on the following link:

[http://www.aanddtech.com/products/data\\_acquisition\\_control/software/itest/](http://www.aanddtech.com/products/data_acquisition_control/software/itest/)

The iCONNECT I/O system combines the benefits of a distributed network with high-quality I/O channels. The resulting system provides for minimal cabling and the ability to place I/O where it is needed. This allows the system to be easily modified for a variety of testing needs.



iTEST and iCONNECT

The iCentral Information and Process Management Suite is a collection of tools that enhances the management of any testing lab from a central point of access.



iCENTRAL

Although many of the same companies as in recent years set up booths at this year's exhibition, there was a noticeably decrease in the overall number of visitors that may be attributed to the slowdown in the US economy. A&D will continue to serve the U.S. automobile industry to improve their engine development with our state-of-the-art products and solutions. We plan on setting up an exhibit next year and we look forward to seeing more of you at Automotive Testing Expo North America 2009. See you in Michigan next year (<http://www.testing-expo.com/usa/>).