

Argonne's Vehicle Data is Online

Transitioning to advanced technology vehicles and new fuels necessitates having critical data on production and prototype vehicles that describes how vehicles react under varied driving conditions. Argonne's Advanced Powertrain Research Facility (APRF) puts vehicles through their paces using state-of-the-art dynamometers and equipment to benchmark important vehicle information on performance, fuel economy, energy consumption and emissions output.

The Challenge

To collect and disseminate data about vehicle performance to researchers and industry in an easily accessible, simple format.

The Solution

Researchers have created Argonne's Downloadable Database (D3). Located on Argonne's transportation website, the D3 offers easy and fast access to data from all kinds of makes and models of vehicles including hybrid electric vehicles, plug-in hybrid electric vehicles, electric cars, and alternative and conventional fuel vehicles. A simple click on a vehicle's photo allows one to download test cycle output (UDDS, HWYx2, USO6x2, steady speeds and more), levels 1 and 2 type testing reports and presentations, signal lists and long-term mileage factsheets.



Data is generated at Argonne's Advanced Powertrain Research Facility

The Results

Researchers and manufacturers can now access free data that will help the design, development and adoption of advanced technology vehicles. Having the data available before design will accelerate the time to market as manufacturers will not have to collect this data themselves.

Check out the Database at <http://www.transportation.anl.gov/D3/>



"With our state-of-the-art facilities and a wide range of vehicle expertise, we're ideally positioned to collect this data, and we want to share it with everyone. Our research here is helping facilitate more widespread adoption of alternative fuels and advanced vehicle powertrains," says Glenn Keller, principal project engineer.