



# DETROIT TESTING LABORATORY, INC.



## Hybrid and Electric Vehicle Battery Testing

Detroit Testing Laboratory has performed testing on battery systems for over 30 years in Detroit, Michigan. DTL's Advanced Battery Testing Laboratory in Warren, MI performs validation testing on Li-ion and Ni-MH battery cells, modules and packs by trained and experienced battery experts. Detroit Testing Laboratory is accredited to perform battery charge and discharge lifecycle testing, durability and abuse testing to FreedomCar, UNDOT, USABC, SAE J2464 and UL standards. With over 200 battery test channels, Detroit Testing Laboratory can manage several programs for our customers in a safe and secure environment. Beyond durability and abuse testing to industry specifications, we can assist you with your battery development testing including customized test programs.

### Testing Capabilities

- Charge/Discharge Cycle Durability
- Drive Cycle Testing
- Pulse Power Testing
- Overcharge/Overdischarge
- Abnormal Charging
- Reverse Charge
- Shock/Vibration (with fixture design and build)
- Short Circuit
- Impact
- Projectile
- Nail Penetration
- Crush
- Thermal Abuse
- Temperature Cycling
- Altitude Simulation
- CAN Communication and Control
- Customized Data Acquisition Available

### Routinely Tested Components & Systems

- Ultracapacitors
- Cells
- Modules
- Packs

#### For further information contact:

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