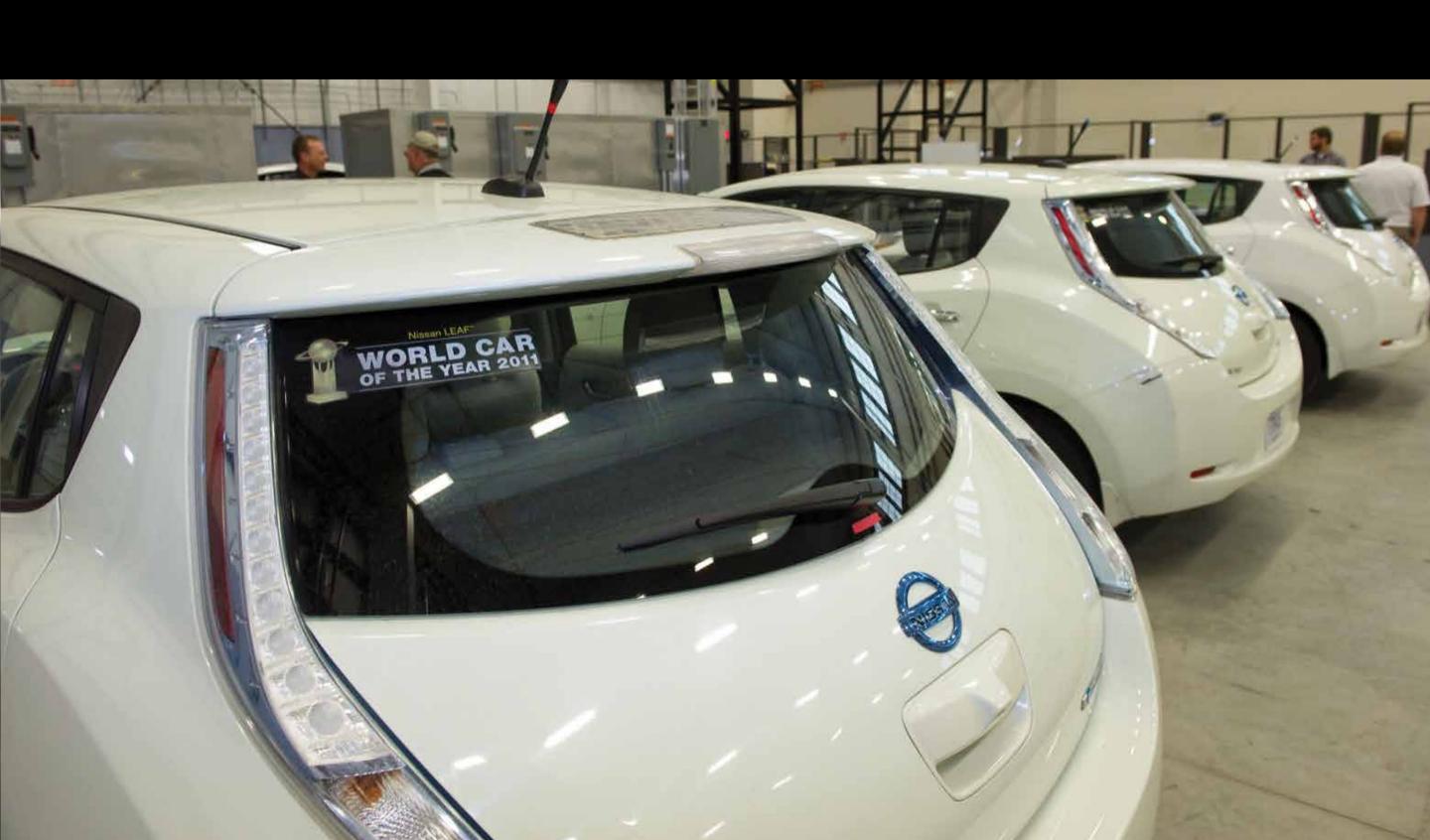
INL Advanced Vehicle Research Timeline



Idaho's national laboratory has been conducting research on advanced vehicles for nearly as long as the nation has experimented with them. This snapshot of INL's history in this area shows some of the highlights.

1980

1983: Energy Storage Testing (EST) Laboratory established for testing full-size electric vehicle batteries in support of the U.S. Department of Energy (DOE) Electric and Hybrid Vehicle Program.

electric vehicle dynamometer and road testing.

1984: DOE Electric Vehicle Center dedicated for

1987: Idaho team initiates management of the DOE Site Operator Program, which includes 13 electric industry, government and university partners conducting on-road and track testing of electric drive vehicles.

Caravan) powered by five nickel-iron batteries.

1994: First test on a Big Three vehicle (Dodge)

Electric Vehicles (NEVs), four-wheeled vehicles defined by the National Highway Traffic Safety Administration as subject to Federal Motor Vehicle Safety Standard No. 500.

2002: Initial testing activities on Neighborhood

of internal combustion vehicles that operate on 100% hydrogen and blends of hydrogen and compressed national gas.

2005: End-of-life fuel efficiency and battery

testing on two 2001 Honda Insight hybrid electric

vehicles (HEVs), two 2003 Honda Civic HEVs, and

2003: Partnership with Arizona Public Service

dispensing station in the U.S. to support testing

creates the first hydrogen production and

two 2002 Toyota Prius HEVs.

2011–2015: INL collects and analyzes data from 124 million miles of driving and 6 million charging events over three years, providing the most comprehensive view of light-duty, plug-in

2012: Energy Systems Laboratory, a

demonstration facility, includes space

91,000-square-foot testing and

for vehicle and battery testing.

charging systems on vehicles.

2015: Electric Vehicle Infrastructure Laboratory in INL's Energy Systems Laboratory offers industry-leading testing of wireless

2014–2016: INL researchers work with six companies to conduct bench testing for wireless charging systems. Results support SAE International wireless charging guidelines published in 2016.

