



Automotive Priorities for America

Auto manufacturing drives America forward in many ways, and not just through its economic contributions. The automotive industry uses technology and innovation to develop real, measurable solutions that promote safety, energy efficiency, environmental protection and mobility.

Automakers actively engage in strategic partnerships not only with each other, but also with government agencies, national laboratories, universities, industry and community partners, as well as other non-profits to collaborate on research, share information, develop technologies and innovate solutions for the automotive world.

PARTNERSHIPS AND COLLABORATIONS WITH NATIONAL LABORATORIES

Some of the most exciting new vehicle technologies are being ushered along by research conducted at Argonne National Laboratory. The Transportation Technology R&D Center (TTTRDC) brings together scientists and engineers from many disciplines across the laboratory to work with the U.S. Department of Energy (DOE), automakers and other industrial partners. Automotive research projects are undertaken in collaboration with numerous national labs:

- ✓ Ames National Laboratory
- ✓ Argonne National Laboratory
- ✓ Brookhaven National Laboratory
- ✓ Idaho National Engineering & Environmental Laboratory
- ✓ Lawrence Berkeley National Laboratory
- ✓ Lawrence Livermore National Laboratory
- ✓ Los Alamos National Laboratory
- ✓ National Renewable Energy Laboratory
- ✓ Oak Ridge National Laboratory
- ✓ Pacific Northwest National Laboratory
- ✓ Sandia National Laboratories
- ✓ Savannah River National Laboratory

WORKING TOGETHER WITH THE FEDERAL GOVERNMENT

Automakers are integral in providing support, research and mobility solutions for top federal agencies. They not only pair for clean transportation projects and highway safety, but are also involved in everything from innovating new uses for agriculture products, and providing funds for STEM Education, to hiring veterans and building vehicles for our military.

Department of Agriculture

- ✓ Biofuels
- ✓ Bio-based auto parts
- ✓ Carbon markets

Department of Commerce

- ✓ National Institute of Standards and Technology
- ✓ Federal Laboratory Consortium

Department of Defense

- ✓ U.S. Army Tank, Automotive & Armaments Command
- ✓ Military ready transportation systems
- ✓ Defense Advanced Research Projects Agency or DARPA (the Pentagon's research arm)
- ✓ CyberAuto Challenge

Department of Energy

- ✓ DOE Department of Energy Efficiency and Renewable Energy (EERE)
- ✓ DOE/EERE Advanced Manufacturing Office
- ✓ DOE/EERE Biomass Program
- ✓ DOE/EERE Vehicle Technologies Program
- ✓ DOE/EERE Fuel Cell Technologies Program

Department of Homeland Security

- ✓ Information sharing on vehicle cybersecurity through Auto-ISAC

Department of Labor

- ✓ Occupational Safety and Health Administration

Department of Interior

- ✓ U.S. Water Partnership
- ✓ Bureau of Land Management

Department of State

- ✓ Sustainable Urban Mobility with Uncompromised Rural Reach
- ✓ Veterans Innovation Partnership (VIP) program

Department of Transportation

- ✓ Federal Highway Administration
- ✓ National Highway Traffic Safety Administration

Environmental Protection Agency

- ✓ Clean Automotive Technology

UNIVERSITY PARTNERSHIPS

Collaboration between automakers and higher education is a critical component of not only research and development but building a future workforce. While university partnerships are too numerous to list, they span the country and number in the hundreds. These collaborations include interdisciplinary research centers, degree programs, worker training, test facilities, scholarships, mentoring and interning. A few prominent examples include:

- ✓ **M City** – home to world-renowned researchers, a one-of-a-kind urban test facility, and on-road deployments. Here, industry, government, and academia come together to improve transportation safety, sustainability, and accessibility for the benefit of society
- ✓ **The Center for Automotive Research at Stanford (CARS)** brings together researchers, students, industry, government and the community to enable a future of human-centered mobility.
- ✓ **The Virginia Tech Transportation Institute (VTTI):** VTTI is the second largest university-level transportation institute in the U.S. VTTI is continually advancing transportation through innovation and has impacted public policy on national and international levels.
- ✓ **Clemson University International Center for Automotive Research** is an advanced-technology research campus where education, research, and economic development collaborate to create a global venue for the automotive industry.
- ✓ **Indiana University – Purdue University Indianapolis (IUPUI)** – Transportation Active Safety Institute is a collaborative University, Industry, and Government consortium to facilitate research, development, evaluation and assessment of transportation active safety systems.

PARTNERSHIPS WITH ENERGY COMPANIES & ELECTRIC UTILITIES

Automakers work closely with energy and electric companies to help fuel their products, working together to develop clean energy solutions and build for a future of electric charging stations.

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| ✓ BP America | ✓ Phillips 66 Company |
| ✓ Chevron Corporation | ✓ Shell Oil Products US |
| ✓ DTE Energy | ✓ Southern California Edison |
| ✓ ExxonMobil Corporation | |

INVESTING IN OUR COMMUNITIES

Automakers are heavily invested in their local communities, states, and the nation at large. Their generosity in providing sponsorships, volunteer hours, and products touches every aspect of our society. A small sample of some of the philanthropic activity and areas of charity includes:

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| Affordable Housing Projects | Childhood Hunger |
| Alzheimer’s Association | Conservation |
| American Cancer Society | Disabled American Veterans |
| American Diabetes Association | Disaster Response |
| American Heart Association | Driving Skills |
| American Red Cross | Fireworks |
| Arts & Culture | Girl Scouts |
| Boys & Girls Club of America | Girls Who Code |
| Children’s Health | Habitat for Humanity |

Historically Black Colleges
Hurricane Recovery
Junior Achievement
March of Dimes
Meals On Wheels
Mentoring
Mobile Food Pantries
Mobile Medicine
NAACP
National Breast Cancer Coalition
Olympics
Parades
Paralympics

Robotics Competitions
Ronald McDonald House
Salvation Army
Science, Technology, Engineering And Math
(STEM) program Funding
Scholarships
Trust for the National Mall
United Negro College Fund, Inc.
Vehicle discounts for Veterans
Wildlife Rehabilitation & Rescue
Workshops for Warriors
Youth Athletics

SUPPORTING THE UNITED STATES AT A TIME OF CRISIS

In the wake of the September 11, 2001 terrorist attacks, automakers, suppliers and dealer groups donated nearly \$30 million to relief efforts. In addition to financial support, eleven Automakers also contributed their products to help facilitate recovery and cleanup as well as rebuild police and fire fleets. The contributions didn't just stop with vehicles, but also included generators, shelters, office space & equipment, and dedicated funds for families of victims.