DriveOhio
The Future of Smart Mobility

Your Guide to Smart Mobility in Ohio
Why Ohio?

Ohio’s Unparalleled Smart Mobility Assets

There is no better place for companies to develop, test, deploy and commercialize smart mobility technologies because Ohio has a mix of assets and resources unmatched in any other state:

**Testing Facilities:** The diversity and quantity of smart mobility projects and facilities aimed at testing autonomous and connected technologies in real-world environments is unmatched by other states.

**Regulatory Environment:** With the creation of DriveOhio and an executive order explicitly authorizing self-driving vehicle testing, Ohio’s regulatory climate are ideal for smart mobility innovation.

**Geography:** Ohio’s mix of urban and rural areas, as well as the state’s four-season weather conditions, offer a diverse environment for researchers to test their mobility projects.

**Location:** The state is within a day’s drive of 60 percent of the country’s population and 70 percent of light vehicle production in North America.

**Investment Support:** The state has invested $16 billion in recent transportation infrastructure projects, and after Columbus won the $50 million “Smart City Challenge,” Ohio’s private sector poured more than $500 million into autonomous and connected vehicle technologies as part of the Smart Columbus initiative.
About DriveOhio

Connecting and Coordinating Smart Mobility Projects

Red tape and government barriers can hamstring the development, testing and deployment of smart mobility technologies in most states. But DriveOhio brings dozens of private and public entities together under one umbrella, serving as the hub for all things autonomous and connected in the state.

Instead of asking companies to work simultaneously with multiple agencies, DriveOhio is a one-stop shop for those developing, testing and deploying advanced mobility solutions in Ohio. DriveOhio provides a single point of contact for businesses to more quickly and efficiently access the needed resources for smart mobility projects.

With these projects, DriveOhio aims to improve transportation safety and reliability, provide for the mobility needs of all people regardless of limitations, and prepare the workforce for new and disruptive technologies.
Smart Mobility Projects
The Future of Smart Mobility Begins in Ohio

DriveOhio brings together those who are responsible for building infrastructure in Ohio with those who are developing autonomous, connected and unmanned aerial technologies. Current projects across Ohio include:

**Smart Cities:** As the winner of the U.S. Dept. of Transportation's first-ever “Smart City Challenge,” Columbus is using its grant awards totaling $50 million as seed funding for “Smart Columbus,” a regional initiative to create a first-of-its-kind interconnected smart transportation system. Marysville, Ohio, is installing dedicated short-range communications units in 27 traffic signals across the city that will communicate with 1,500 vehicles outfitted with onboard units, improving traffic and pedestrian safety at these intersections. Meanwhile, other smart city use cases and projects are in development in most of the state’s major cities.

**Smart Corridors:** On highways across the state, including the Ohio Turnpike, wireless roadside sensors, high-tech cameras, dedicated short-range communications units and fiber-optic connections are being deployed to better monitor and manage traffic conditions, while allowing open-road testing of autonomous and connected vehicles.

**Autonomous Shuttles:** Columbus, Dayton and Cincinnati are introducing self-driving shuttles to more efficiently move employees to work sites, expand mass transit options, and help develop the guidelines for future self-driving transit projects throughout the country.
Transportation Information Management System (TIMS): Across the state, transportation data pertaining to Ohio’s roadway system is collected, analyzed and disseminated. From roadway information and priority snow routes, to traffic counts and transportation projects, all of this information is publicly available and accessible on laptops or smart phones, equipping Ohioans with better data to make better travel decisions.

Unmanned Aircraft Systems: The state is pushing drone research and smart mobility forward with the Ohio Unmanned Aircraft Systems Center in Springfield, developing a ground-based detect-and-avoid radar system for drones, and using unmanned aerial vehicles for monitoring traffic and road conditions.

Advanced Vehicle Testing: North America’s largest independent automotive proving grounds, the Transportation Research Center (TRC), is located in Ohio. The TRC is home to the nation’s only federal vehicle test laboratory and a new 540-acre SMART Center for testing autonomous and connected vehicles. The Ohio State University has several automotive research and testing facilities, including the Center for Automotive Research, which focuses on intelligent transportation systems and sustainable mobility.
Contact DriveOhio Today

Partner with DriveOhio and Advance Your Smart Mobility Project

Are you interested in learning more about smart mobility projects and capabilities in Ohio or partnering with public and private sector entities through DriveOhio?

Get in touch now!

DriveOhio

An initiative of the Ohio Department of Transportation

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