



JOHN R. KASICH
GOVERNOR
STATE OF OHIO

EMBRACING TECHNOLOGY FOR OHIO'S FUTURE

Strategic Investments in Emerging Technologies, Such as Self-Driving/Connected Vehicles, Drones and Data Analytics Are the Keys to Ohio's Future Economic Growth

The 21st century's most successful business operations and entrepreneurs share one over-arching strategy: all are embracing technology. Sadly, government at every level has failed to match that pace, and the public sector has lost momentum in the way it operates, spends money and serves its citizens. But under Governor John Kasich's leadership, Ohio worked to build a much different model, one that keeps government ahead of the curve with new technologies and innovations, making strategic investments to ensure our state's continuing leadership in such areas as self-driving vehicles and smart highways, drones, cybersecurity and advanced data analytics.

- **Utilizing Data Analytics to Solve Complex Problems:** Ohio is a national leader in pursuing advanced data analytics to the next level by requiring all state agencies, boards and commissions to share the data they now store in more than 1,600 separate databases. By connecting and correlating these individual data resources and applying advanced analytical technologies, the state is working with leading data firms on 14 areas that can help tackle complex problems such as infant mortality, child welfare issues, opioid addiction, persistent poverty, and school dropout rates.
- **Building on Ohio's Leadership Role in the Development of Advanced Transportation Technologies:** The Kasich Administration was committed to embracing the future of transportation with new investments and forward-looking policies to ensure that Ohio maintains its leadership position with research and implementation of "smart mobility" applications, including autonomous and connected vehicles, drones and other emerging transportation technologies. Ohio is home to dozens of public and private entities all involved in the design, development, testing, use and regulation of autonomous and connected technologies. To bring all of these organizations together under one umbrella, the Kasich Administration created DriveOhio to ensure Ohio's regulatory environment and public policies are conducive to the development of the infrastructure and technologies needed for smart mobility.
- **Keeping Ohio in the Pole Position for Future of Transportation and Smart Mobility Innovation:** To provide transportation innovators with a variety of real-world testing sites for smart mobility vehicles and systems, Ohio is equipping smart highway corridors (a 35-mile stretch of U.S. Route 33 west of Columbus, the entire 241-mile-long Ohio Turnpike and a 60-mile Lake Effect Corridor on Interstate 90). In partnership with The Ohio State University and JobsOhio, the state invested \$45 million in a new 540-acre Smart Mobility Research and Test Center at the world-class Transportation Research Center near Marysville. This one-of-a-kind facility is designed specifically to test autonomous and connected vehicles in a real-world environment. In addition, the state is a partner with Honda R&D Americas and others in developing Connected Marysville, a real-world test of "smart" intersections where traffic signals communicate traffic and safety information with up to 1,500 specially equipped vehicles.

- **Ohio is a Leader in Drone Technology, Developing a Unique “Sense and Avoid” Test Site:** Transportation innovation and cutting-edge research in Ohio are by no means limited to automotive technology. Drone and unmanned aircraft technology is another promising arena where Ohio – “the Birthplace of Aviation” – is embracing the future. The state worked with the U.S. Air Force Research Laboratory to develop the SkyVision Ground-Based Detect and Avoid System at Springfield-Beckley Airport. This one-of-a-kind state-owned and -operated mobile platform enables drone operators to fly unmanned aircraft beyond their line of sight.
- **Expanding Access To Technology To Help Ohioans With Developmental Disabilities:** Gov. Kasich signed an executive order making Ohio the first state to place an emphasis on expanding access to assistive technologies for people with developmental disabilities. Working with county boards of developmental disabilities, individuals served and their families will be able to explore the many ways technology can expand opportunities in the home, school and in the workplace. This is not a technology-only policy; instead, the goal is to help people learn more about how technology can improve the quality of their lives.
- **Pursuing Scientific Breakthroughs to Battle Drug Abuse and Addiction:** At Gov. Kasich’s urging, the Ohio Third Frontier Commission set aside up to \$20 million to help fund innovative and promising technologies that can help combat the drug epidemic. Ohio has awarded funding to support innovative projects that hold promise in diagnosing and preventing opioid addiction and overdose, connecting people to resources and protecting first responders from exposure.
- **Helping the Visually Impaired Navigate a College Campus:** The Kasich administration worked with Columbus State Community College to introduce the first, permanent GPS technology enabling the visually disabled to independently navigate a college campus. Blindsquare, a phone-based application, utilizes indoor beacons to allow users to navigate within a building, providing audible directions to the nearest exit and describing what users can access from the room where they are located. This revolutionary technology not only empowers the user to have more freedom around campus, but allows the school to utilize personnel resources elsewhere.
- **Using Technology to Support Teachers and Enhance Early Childhood Education:** To help our youngest learners prepare for school and their futures, the Early Learning Portal was developed for parents and educators of children ages 3 through 5, providing websites and apps that are linked back to Ohio’s early learning and development standards. Further, a pilot has been implemented with a group of early-childhood providers to better understand how artificial intelligence technology can enhance and support teacher instruction.

