



# PURE MOBILITY

Michigan put the world on wheels more than 100 years ago, and today stands at a historical threshold as the preeminent place for automakers and auto suppliers, along with entrepreneurs and innovators who are leading the way in the mobility revolution.

## MICHIGAN MEANS SUCCESS

Michigan is synonymous with the automobile and automotive industry and is home to 27 assembly plants and more than 2,200 facilities that conduct automotive research, design, engineering, testing, and validation.<sup>1</sup> This dense concentration of industry assets has generated an atmosphere of collaboration and heightened productivity that cannot be found elsewhere.

- 76% percent of North American automotive R&D takes place in Michigan<sup>2</sup> and a total of \$10 billion is spent on R&D each year in the state.<sup>3</sup>
- Michigan's assembly plants account for 20% of all U.S. auto production, more than any other state.<sup>4</sup>
- 92 of the top 100 North American auto suppliers are located in Michigan<sup>5</sup>, as well as more than 14,000 manufacturing facilities.<sup>6</sup>
- Michigan has the greatest concentration of OEMs in the world, with 16 total in the state.<sup>7</sup>

## COMMITMENT TO EDUCATION

Michigan's has specialized programs at every level that focus on automotive technology, design, and prepare students to lead the next generation of transportation. This includes more than 650 auto-focused post-secondary education programs.

- Michigan's K-12 program Square One focuses on developing talent for the mobility industry and prepares students with the essential skillset for higher learning institutions.
- Michigan has more FIRST Robotics teams than any other state, which are helping to cultivate the next generation of STEM talent.<sup>8</sup>
- Community college programs including Washtenaw Community College's Advanced Transportation Center, and university engineering and supply chain programs at schools such as the University of Michigan, Michigan State University, and Wayne State University are ranked among the best in the nation.

<sup>1</sup> Detroit Regional Chamber

<sup>2</sup> Center for Automotive Research, 2015

<sup>3</sup> National Science Foundation

<sup>4</sup> Anderson Economic Group, 8th Annual Economic Impact & Benchmark Report

<sup>5</sup> MICHauto 2017 Report

<sup>6</sup> National Association of Manufacturing

<sup>7</sup> Detroit Regional Chamber

<sup>8</sup> [www.firstinspires.org/robotics/frc](http://www.firstinspires.org/robotics/frc)



MICHIGAN ECONOMIC  
DEVELOPMENT CORPORATION

[www.michiganbusiness.org](http://www.michiganbusiness.org)



## ACCESS TO TALENT

The state's educational ecosystem has helped create one of the highest concentrations of skilled and engineering talent in the world.

- Michigan is home to nearly 123,000 engineers, the most in the nation.<sup>9</sup>
- Michigan ranks first in the nation for commercial and industrial designers, employing over 6,000 industrial designers across the state.<sup>10</sup>
- The tech industry in Michigan added 13,160 jobs in 2017, which is third only to California and Texas.<sup>11</sup>
- A skilled-trades workforce of nearly 216,000 people state wide ranks Michigan among the top 10 in the nation.<sup>12</sup>

## NEXT GENERATION MOBILITY ASSETS

Michigan was among the first states to pass comprehensive self-driving regulations on state roads and with the most extensive system of test beds in the world, leads the nation in mobility-related patents over the past five years.<sup>13</sup>

- Michigan is home to the largest deployment of freeway and surface street V2I technology in the U.S. Soon, 120+ miles of technology-enabled "smart corridors" will broaden the scope of testing capabilities across the state.
- Three global autonomous vehicle testing facilities: Mcity, at the University of Michigan; the American Center for Mobility; and the GM Mobility Research Center at Kettering University are located in Michigan. Together they cover the full range of urban and highway high-speed testing scenarios and allow for testing, validation, and the development of voluntary standards.

## PLANETM: WHERE BIG IDEAS IN MOBILITY ARE BORN

PlanetM is Michigan's new economic development program designed to match mobility companies and investors with partners and resources to help them innovate and grow at a faster pace. Visit [www.planetm.com](http://www.planetm.com) for more information.

<sup>9</sup> [https://e.economicmodeling.com/analyst/?t=2LYQW#h=9Q7rW&page=occupation\\_table](https://e.economicmodeling.com/analyst/?t=2LYQW#h=9Q7rW&page=occupation_table)

<sup>10</sup> [https://e.economicmodeling.com/analyst/?t=2LYtj#h=9QJHJ&page=occupation\\_map](https://e.economicmodeling.com/analyst/?t=2LYtj#h=9QJHJ&page=occupation_map)

<sup>11</sup> [www.cyberstates.org](http://www.cyberstates.org)

<sup>12</sup> Bureau of Labor Statistics, *Occupational Employment Statistics*, May 2014.

<sup>13</sup> *MICHAuto 2017 Report*