



PPG Partners with University of Michigan's Mcity for Autonomous Vehicle Testing, Research

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Company becomes first paint and coatings manufacturer to support world-renowned autonomous testing facility

PITTSBURGH--(BUSINESS WIRE)-- PPG (NYSE: PPG) today announced its partnership with the University of Michigan's (U-M's) Mcity, a public-private partnership that brings together industry, government and academia to improve transportation safety, sustainability and accessibility for the benefit of the society. Mcity's work includes operating the Mcity Test Facility, which is the world's first purpose-built proving ground for testing autonomous vehicles, connected-vehicle systems and related technologies. PPG is the first paints and coatings manufacturer to join the Mcity partnership.

A leader in advanced paints and coatings technologies for the automotive industry, PPG is developing a broad portfolio of coatings to improve functionality and enable broad deployment of autonomous vehicles. These developments include exterior coatings that enhance vehicle visibility to radar and light detection and ranging (LIDAR) systems, as well as easy-to-clean coatings that help prevent obstruction of autonomous vehicle sensors. PPG will highlight these technologies at the North American International Auto Show (NAIAS) Jan. 14-20 at Cobo Center in Detroit.

The Mcity Test Facility, which opened in 2015, was developed by U-M with support from the Michigan Department of Transportation. The facility aims to re-create a range of operating challenges faced by vehicles on the road with simulated urban and suburban environments. Sitting on a 32-acre site on U-M's North Campus, the facility offers more than 16 acres of roads and traffic infrastructure, including approximately five lane-miles of roads with intersections, traffic signals, street lighting, sidewalks, fire hydrants, simulated buildings and obstacles like construction barriers and pedestrian crash dummies. In addition to operating the test facility, Mcity also funds academic research and works with its partners to deploy connected and automated vehicles in Ann Arbor and Southeast Michigan.

"Autonomous vehicle technology offers numerous real-world advantages, and the ability to test such technologies safely and thoroughly is essential for proving the viability of advanced mobility solutions," said Huei Peng, director, Mcity. "Our state-of-the-art facility offers a controlled environment for manufacturers like PPG to develop and hone the capabilities of autonomous vehicles and related technologies, while also providing them access to a variety of valuable tools and resources. We're excited to have PPG be part of this journey."

Added Gary Danowski, PPG vice president, Automotive OEM Coatings, "Specialized coatings will play an integral role in the development of safe and reliable driverless vehicles. We are enthusiastic about this partnership and are always actively seeking additional R&D partners as we continue to explore new possibilities in emerging vehicle technologies."

The agreement provides PPG with access to resources such as Mcity lab and project data; research and deployment assets; an independent forum of suppliers, manufacturers and end users; university expertise related to legal, regulatory and social issues; and Mcity research review meetings and the annual Mcity Congress.

To learn more, visit mcity.umich.edu or newsroom.ppg.com/detroitautoshow18.

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At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and materials that our customers have trusted for more than 130 years. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. With headquarters in Pittsburgh, we operate and innovate in more than 70 countries and reported net sales of \$14.3 billion in 2016. We serve customers in construction, consumer products, industrial and transportation markets and aftermarkets. To learn more, visit www.ppg.com.

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