

## American Center for Mobility: Highway autopilot test drive

2018-02-09

The American Center for Mobility (ACM) – a brand new 500-acre proving ground for the development of driverless car technology, based in Michigan, U.S. – has opened for business. **As one of the founding members of the facility**, Visteon has completed the first test drive on the ACM circuit – which was also the first test run of the new highway autopilot feature incorporated in the company's Lincoln autonomous development vehicle, on Dec. 11.

Incorporating a 2.5-mile highway loop, 700-foot curved tunnel, two double overpasses, intersections and roundabouts, the ACM track is ideally suited for a variety of autonomous tests in a range of challenging driving environments and conditions. Visteon hit the track in the middle of a Michigan snowstorm to test out the latest milestones in the development of its DriveCore™ centralized domain controller platform.

Watch the video below to see how the drive went.

Investing extensive test time in advanced self-driving features such as highway autopilot, adaptive cruise control, lane keeping and automated lane change and passing, Visteon's ADAS team gave a thorough trial to the technology that aims to provide a smooth autonomous highway ride.

The highway autopilot performs autonomous driving while the vehicle is on a divided highway road surface. The system uses a combination of radar, LiDAR and camera sensors to maintain lane keeping while performing adaptive cruise control. These functions keep the vehicle a safe distance from traffic ahead while ensuring the vehicle remains centered in its lane. The Autopilot is also programmed to be able to overtake slower vehicles if necessary.

In its next ACM engagement, Visteon will be participating in the first-ever ACM career day on Feb. 23 - catering to students and industry experts exploring the future of self-driving technology with tailored talks and interactive technology demonstrations.