



Canadian Technical Centre McLaughlin Advanced Technology Track

GM's C\$170-million investment in its Canadian operations in May 2019 commenced the development of a new 55-acre outdoor test track for the Canadian Technical Centre (CTC) team to innovate and test new active safety systems and software for self-driving and electric vehicles, right here in Ontario.

The track expands GM's Canadian technology footprint to four sites. With campuses in Markham and Oshawa and a cold weather testing facility in Kapuskasing, the CTC is one of Canada's largest automotive software development clusters and GM's largest advanced technology centre outside of the U.S.

The track will support developing software and hardware for advanced vehicle systems including vehicle motion embedded controls, advanced driver assistance systems, autonomous vehicle systems, infotainment, and advanced technology work. These work streams all require extensive in-vehicle testing in a safe, effective and controlled environment.

Currently, work at the CTC annually requires more than 4,000 people hours of in-car testing on a GM-controlled vehicle development surface, a demand that is expected to expand as these operations grow. The new track will reduce costs and alleviate the current need to book GM facilities outside Canada for required development testing.

SPECIFICATIONS:

- The 1.8km oval test track will enable CTC engineers to efficiently and safely prove and develop advanced new vehicle systems.
- The track will include two straight sections of track 1,200 feet long that are joined by a banked curve angled at 22% on each end to allow continuing driving safely at high speeds.
- The track's proximity to the CTC sites will allow for increased quality and efficiency in the testing and faster development of new technologies.
- In addition to AV testing; Product Development, Infotainment, Active Safety and Trailering teams would also use the track surface.
- The new facility will follow GM global operational and safety processes and leverage GM expertise from the Milford Proving Grounds and the Kapuskasing Proving Grounds.