Cross-Border Collaboration

Driving Regional Competitiveness in Advanced Mobility

February 2017
Collaboration is key

• Industry
  • Automotive
  • Information Technology

• Government
  • National
  • Michigan – Ontario

• Academia
  • Universities & Colleges
Ontario Automotive

Automotive
- 250 mile / 415 km corridor
- 700+ supplier companies
- 12 assembly lines
- 4 powertrain facilities
- 5 R&D centres

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<tr>
<th>OEM</th>
<th>Locations</th>
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<tr>
<td>C Fiat Chrysler</td>
<td>Windsor ● ● Brampton ● ● Toronto ● ●</td>
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<td>Cambridge ● ● Woodstock ● ●</td>
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<td>E Erwin Hymer</td>
<td>Kitchener ● ● – Motorhomes</td>
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<td>Hi Hino</td>
<td>Woodstock ● ● – Commercial Trucks</td>
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Automotive
• 250 mile / 415 km corridor
• 700+ supplier companies
• 12 assembly lines
• 4 powertrain facilities
• 5 R&D centres

Information Technology
• 70 mile / 110 km innovation corridor
• 150 languages spoken
• Over 15,000 tech companies, including 5,200 start-ups
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<th></th>
<th>Canada</th>
<th>USA</th>
<th>Italy</th>
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<td>Fiat Chrysler</td>
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Industry Driven Collaboration

APMA Connected Demonstrator
Lexus RX350 SUV
Pathway to fully Autonomous

Connected

Automated

Highly Automated

Autonomous

- Vision Systems, Lidar and Radar
- Wireless Sensors
- Embedded Software
- Mobile Security
- Testing: Facilities and Capabilities
- Artificial Intelligence
- Machine Learning
- Vehicle Control, Safety and Power Management

Ontario Canada
On-road Autonomous Testing

uWaterloo Autonomous Research Platform
Lincoln MKZ Hybrid
2017 ITS World Congress
October 29th – November 2nd

Montréal
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