

University of Windsor / FCA Canada

Automotive Research and Development Centre Fact Sheet

Location: 3939 Rhodes Drive, Windsor, Ontario

Site: 93,000 square metres

Employment: 800 positions

History: Opened in May 1996 with a \$30 million (CDN) investment, it was the first partnership of its kind in Canada that linked industry and academia. With a total Research and Development spend in Canada now exceeding \$1 billion, the ARDC benefits all partners. The facility is equipped with six road-test simulators, proprietary software development and a range of research and development support facilities.

Research Areas:

- Vehicle and System Level Durability
- Emissions and Fuel Economy
- Elastomer Characterization
- Automotive Lighting Research
- Steering Column and Component Development
- Steering System Durability Testing
- Design Engineering including Computer Aided Engineering (CAE)
- Vehicle Safety
- Advanced Digital Tools
- Automotive Corrosion Research
- Vehicle Seating Systems Development
- Brake Systems Development
- Vehicle Ride and Handling Development

Engineering Research Laboratories:

- Vehicle Dynamics Simulator Lab
- Vehicle Structural Development Lab
- Automotive Lighting Research Facility
- Elastomer Characterization Lab
- Steering Column and Component Lab
- Automotive Corrosion Research Lab
- Steering System Durability Test lab
- Vehicle Seating Lab
- Chassis and Brake Development Lab

Educational Partnerships:

- Founding partner - University of Windsor (Windsor, ON)
- McMaster University (Hamilton, ON)
- University of Waterloo (Waterloo, ON)
- Politecnico di Torino (Torino, Italy)
- Université de Sherbrooke (Québec)
- McGill University (Québec)

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