

PMG | TECHNOLOGIES

TEST AND RESEARCH CENTRE

IMPACTING ROAD SAFETY



A baby is sleeping peacefully in a car seat, secured with a harness. The car seat is positioned in the back of a vehicle. In the background, a road with a dashed white line and red lane markings is visible at night, illuminated by a blue light source. The overall scene conveys a sense of safety and protection.

**OUR
COMMITMENT
IMPACTING
ROAD SAFETY**

ROAD SAFETY EXPERTS



For over 15 years, PMG Technologies (PMG) has been successfully managing the Motor Vehicle Test and Research Center (MVTC) which is Transport Canada's only test facility and automotive research center. PMG is a recognized leader that stands out by its ability to provide research solutions and compliance with manufacturers and governments.

PMG conducts research on how accidents happen and help organizations develop and use management security systems to determine the causes of injury and to minimize the possibility of injury. The company devotes resources to the prevention of injury during accidents in situations where they are most likely to occur.

Over the last 16 years, Transport Canada has invested over \$50 million dollars, thereby making the MVTC a global leader and one of the most state-of-the-art testing facilities in North America.



OUR PROGRAMS FOR THE ENVIRONMENT

We are protective of our environment. In addition to complying with environmental laws, we ensure that the environment is the utmost of concerns in all our programs.

Our commitment to environmental protection is centered on three principal areas:

- Energy management and protection of natural resources
- Waste management and recycling
- Corporate improvement plan

Individually and collectively, the PMG team members are proactive and acknowledge the importance of safety on the roads.

PRESERVE YOUR LIFE ON THE ROAD

Every day, thousands of people lose their lives due to road accidents. And many more people are left severely injured.

We work to reduce:

- Number of injuries and deaths;
- Environmental and property damage;
- Impacts on the economy: absence from work and higher insurance premiums.



SPECIAL ATTENTION TO OUR CHILDREN

Transport Canada has given us the exclusive mandate to assess the compliance of all child seats distributed in Canada. In addition, research has helped us to better understand the behavior of child seat performance during accidents. As a result, we can work with many manufacturers and government agencies to further improve the protection and safety of our children.



THE PROTECTION OF THE VEHICLE OCCUPANTS AND PEDESTRIANS

In partnership with worldwide manufacturers, we reproduce different types of collisions to better understand the effects of an accident on the behavior of occupants, the components inside the vehicles and the pedestrians. The tests we perform verify that road vehicles and the infrastructures they will encounter are compliant to required standards while ensuring the driver's safety at all times.

To visualize the impact on vehicle occupants during both frontal and side collisions, we use the world's most advanced series of crash test dummies.

Our studies are used to validate the design of airbags and determine the possible injuries to an occupant should they be in a position that is out of the norm.





AN EXCEPTIONAL SITE IN SUBURBAN MONTREAL



Located on the outskirts of the city of Montreal, Quebec, the site is easily accessible and adaptable to your needs. With its roads and facilities, our site is ideal for shooting movie sequences, television programs, advertisements, automobile events, promotional and product launches and more!

Our facilities are the logical choice that will impress your guests and make your event a successful one.



+ TEST TRACKS TO ASSESS THE SAFETY OF VEHICLE BEHAVIOR

Our tracks allow for the reproduction of different road circuit configurations in order to perform tests of dynamic behavior, braking, endurance and fuel consumption.

We have at your disposal:

- + A 7 km oval track simulating a two-lane urban road;
- + A 6.4 km oval track made of concrete with 1.6 km straight sections connected by parabolic curves that can allow for speeds of over 200 km per hour;
- + A braking area with a pool of water to wet the brakes and a section that simulates ice coating;
- + A test area with a surface of a 75 000 meter² to perform dynamic tests safely.



EQUIPMENT AND VEHICLES IN ALL WEATHER CONDITIONS



· In our environmental chambers, our customers perform trials using temperatures between -55 °C and +85 °C. They are used to determine the optimal or critical conditions for the operating equipment, heating and defrosting systems and more to ensure the safety and comfort of drivers and their passengers.

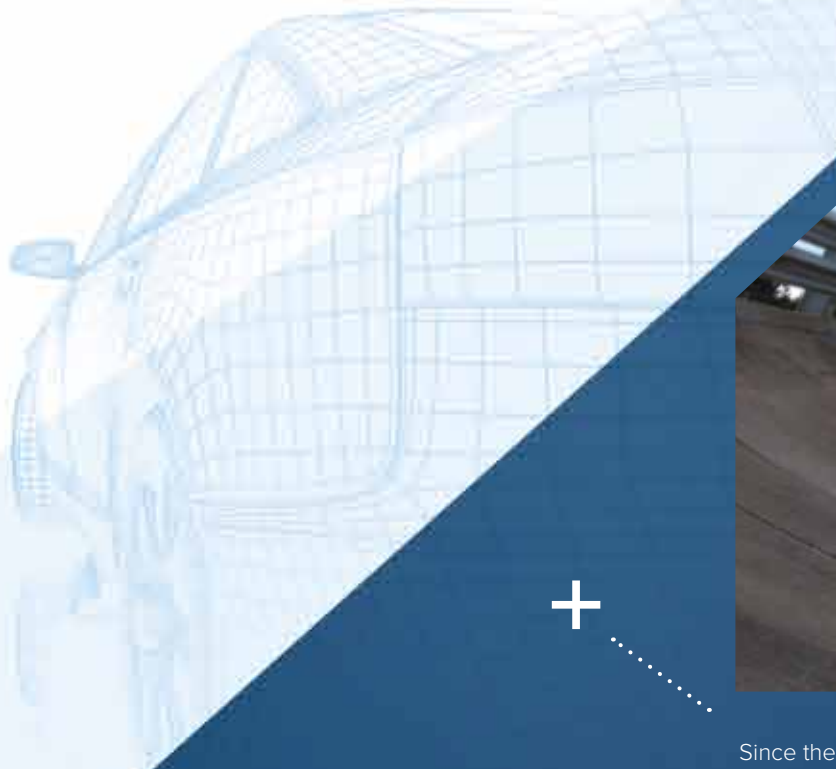


ASSESSING THE PROTECTION OF THE VEHICLE STRUCTURE

With our servo-hydraulic system, PMG can assess the conformity of motor vehicles and their components in accordance to road safety standards currently in effect in Canada, the United States and Europe.

The trials are based on seat and belt anchorage, retention of bus windows and opening of emergency exits, school bus seats, protection against collisions and protection against rollovers. Using a pendulum, we can also verify the resistance of bumpers at low impact speed.





+



Since the emergence of the first hybrid vehicles, plug-in hybrid electrical vehicles (PHEV) and fully electric vehicles, PMG participated, in agreement with world renowned organizations, in conducting tests and generating data to help manufacturers integrate these new technologies into vehicles of today and tomorrow.

STATE-OF-THE- ART-TECHNOLOGY



100 du Landais street
Blainville, QC J7C 5C9
CANADA

Phone: 450 430-7981
Toll free: 1 888 764-8378
Fax: 450 430-2318
marketing@pmgtest.com



+ PMGTEST.COM