

INNOVATION.

HONOR.

INTEGRITY.



YOUR COMPLETE SOURCE FOR MILITARY TESTING & DEVELOPMENT



**PROUDLY SERVING OUR NATION
FOR MORE THAN 30 YEARS.**



EXPERTISE & FACILITIES SET MGA RESEARCH APART

MGA Research offers customers a comprehensive array of military related testing services and a deep understanding of the higher performance levels expected from products that have to perform on the battle field.

A staff of test experts - combined with state of the art facilities - result in a number of solutions that are ideal for military product development.

The MGA staff includes a number of experts well-armed to address the challenging needs of military related testing. A comprehensive array of facilities including a full-service Proving Ground, Crash Test Center (CTC), multiple crash simulation sleds, and dozens of in-lab systems are regularly used for evaluating all types of military vehicles and associated tactical gear.

For more than 30 years, MGA Research has been the industry leader in occupant protection testing. From restraints and seatbelt anchorage evaluation to mine blast simulation, MGA has several test systems in place to assist you with your mission critical needs.



FULL VEHICLE DURABILITY & PROVING GROUNDS

The MGA proving grounds in Burlington, Wisconsin provides our Military and Government Agency customers the capability to perform many diverse full vehicle durability and component evaluations. The facility is located in a secluded area of Southeastern Wisconsin located approximately 40 miles from Milwaukee and 60 miles from Chicago. The facility is over 400 acres in size, and includes 20 lane miles of roadways with various surfaces. The Proving Grounds is divided into six major test tracks, which when combined, can duplicate almost any type of road surface in the world.

- **Upper Track** - High Amplitude, low frequency inputs (cobblestone, potholes, ripple, body twist)
- **Main Track** - Smooth surface roadway
- **Inner Track** - High frequency, low amplitude inputs (Washboards, chatter strip, alternate roll, railroad crossing)
- **North Track** - Similar to county road surfaces
- **Gravel Track** - 1 mile of gravel roadway used for 4WD durability and underbody stone pecking
- **Off Road Track** - Rugged 4WD course (river crossings, mud bog, various grades, water forging, hill climb, traversing grades)

Our engineers, technicians, and support staff have the knowledge, experience, and equipment necessary to successfully complete your project.



The entire facility is secure and strict procedures are followed to ensure complete customer confidentiality. MGA also offers our customers secure/secluded work areas and garage support facilities including office space and internet access for your on-site project.

MGA also offers an array of off-site services to include consultation and training, post test analysis, data acquisition services and bio-mechanical injury analysis. Whether in the field or in a laboratory setting, MGA's engineering team offers companies over 30 years of expertise with world wide availability.

MGA also offers:

- Ride and Handling
- Rough Road Abuse
- Brake Testing and Evaluation
- Deep Water Forging
- Full Vehicle Corrosion
- Noise Evaluation
- Complete Fabrication Capabilities

