

# MRIGlobal

Since its founding in 1944, MRIGlobal has brought practical solutions to technological challenges facing government and industry, applying scientific expertise to the full spectrum of research and development. As an independent, not-for-profit institute, MRIGlobal delivers innovative thinking and unbiased results to its customers.

## National security and defense

For more than 40 years, MRIGlobal has provided the U.S. Government with vital service to help protect America's citizens and soldiers from chemical and biological attack. Our chemists, biologists, and engineers have developed unique methods to detect and analyze chemical and biological agents in air, soil, water and vegetation, and expertly assess the risk to personnel. We have been instrumental in the safe destruction of chemical stockpiles.

## Life sciences

MRIGlobal has a long history of innovation in the life sciences, focusing on improving human and animal health. Current programs range from pharmaceutical product development to microbiological forensics. Our scientists provide a customized approach to each project, answering questions in a variety of disciplines such as toxicology, virology, food safety, proteomics, molecular biology, and bioanalytical chemistry.

## Agriculture & food safety

Public concern with better nutrition and natural products calls for new practices and technologies in agriculture. At its two field stations, MRIGlobal conducts agronomic and horticultural seed research, studying the effects of climate and weather on crop yields and developing seed coatings and treatments to enhance germination. Our scientists are also developing new ways to detect pathogens in food.

## Engineering & infrastructure

MRIGlobal's engineering staff work with our chemists and biologists to develop practical solutions for the increasingly complex needs of our clients. Whether it's robotics for candidate drug testing, mobile laboratories that can go virtually anywhere, highway design or nanomaterials, MRIGlobal addresses a full range of engineering needs.

## Energy

MRIGlobal applies its engineering expertise to the critical challenge of energy, focusing on alternative fuels, transportation, biomass fuels, and process efficiency. This work takes place in MRIGlobal laboratories and at the National Renewable Energy Laboratory in Golden, Colorado, which MRIGlobal has managed since 1977 for the U.S. Department of Energy. At NREL, solutions are forged and brought to the marketplace. Hydrogen and wind power, biofuels from plants, and powerful voltaics are all being developed for commercial application through the work of our innovative researchers.



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816.753.7600

425 Volker Boulevard  
Kansas City, MO 64110

For inquiries about MRI-Global's services and capabilities, please contact the Business Development office:

**John S. Stanley, Ph.D.**  
Corporate Vice President,  
Business Development  
816.753.7600 ext. 1160  
jstanley@mriglobal.org

For more information,  
please visit our website:  
[www.mriglobal.org](http://www.mriglobal.org)

## What we offer

Custom facilities covering 550,000 square feet, equipped with state-of-the-art instrumentation and large inventories of field equipment. Facilities include::

- ▲ BSL2, BSL3 laboratories for handling pathogens
- ▲ Bioaerosol Test Chamber
- ▲ Proteomics Center
- ▲ Extensive chromatography and mass spectrometry facilities
- ▲ Chemical Radiosynthesis Laboratory
- ▲ 350 acres devoted to agricultural and energy research
- ▲ Specialized laboratories to handle toxic materials and chemical agents
- ▲ Microencapsulation facilities

## Areas of speciality

Our staff totals more than 3,000 representing a wide variety of advanced degrees. We offer expert services in:

- ▲ Aerosol studies
- ▲ Agricultural research
- ▲ Biological and chemical defense
- ▲ Biosafety and biosecurity
- ▲ Chemical kinetics and degradation
- ▲ Custom chemical synthesis
- ▲ Energy research
- ▲ Food contamination and safety
- ▲ Human and animal health studies
- ▲ International nonproliferation initiatives
- ▲ Laboratory consulting services
- ▲ Laboratory operation and management

- ▲ Mechanical/electrical prototypes
- ▲ Pandemic flu preparedness
- ▲ Pharmaceutical product development
- ▲ Plant biomarkers
- ▲ Process/method development and validation
- ▲ Product chemistry and analysis
- ▲ Proteomics
- ▲ Seed treatment and coating
- ▲ Threat agent collection and detection
- ▲ Traffic and transportation engineering
- ▲ Vaccine testing
- ▲ Virology, microbiology, toxicology

## Quality is critical

MRIGlobal's Quality Assurance program is operated by an independent unit, ensuring objectivity. Regulated work is performed in strict accordance with GLP, GMP, and cGMP regulations. MRIGlobal is ISO 9001:2008 certified in quality standards and ISO 17025 certified in the field of Forensic Biology.

## Where you'll find us

MRIGlobal is based in Kansas City, Missouri, and has locations in Colorado, Florida, Kansas, Maryland, and Washington, D.C.

## MRIGlobal's mission is to . . .

MRIGlobal solves challenging problems through science, engineering, and program management to benefit society and foster a safe, healthy, and sustainable environment. We achieve our mission through a dedicated workforce committed to quality.