

Our diverse, collaborative teams of scientists and engineers work for government and industry clients globally on projects spanning deep sea to deep space . . . and everything in-between. SwRI is committed to advancing science and applying technology for the betterment of humankind.



SOUTHWEST RESEARCH INSTITUTE

**We are R&D problem solvers**

**providing multidisciplinary support to our**

**clients' most challenging issues**

**from Deep Sea to Deep Space®.**

**FOUNDED**  
1947, San Antonio, Texas

**MAIN CAMPUS**  
More than 1,500 acres and over 2.5 million sq.ft. of state-of-the-art laboratories, test facilities, workshops, and offices

**SATELLITE OFFICES**  
Ann Arbor, Michigan  
Austin, Texas  
Boulder, Colorado  
Dayton, Ohio  
Durham, New Hampshire  
Hanover, Maryland  
Minneapolis, Minnesota  
Ogden, Utah  
Midwest City, Oklahoma  
Warner Robins, Georgia  
Shoreham-by-Sea, United Kingdom

**UNBIASED**  
**INDEPENDENT**  
**NONPROFIT**

Advanced science.  
Applied technology.

### Automotive & Transportation

▶ We develop and evaluate transportation (including traffic management) systems, engines, and components for on-road and off-road automated vehicles, rail, water-borne, and recreational vehicles as well as stationary power equipment. We analyze, design, and develop emissions and automotive components including batteries, engines, fuels and lubricants, and military and civilian aircraft components to meet and exceed current standards.

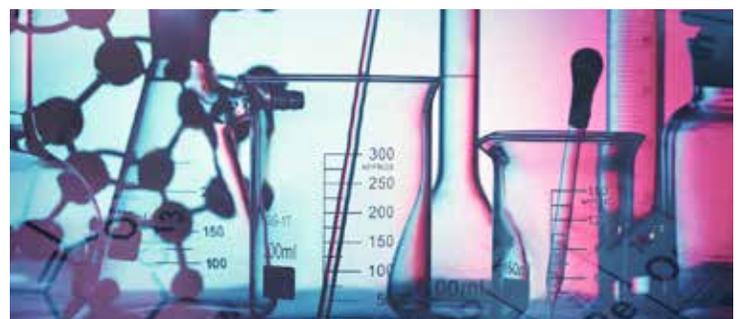


### Biomedical & Health

▶ We support the healthcare industry, from biomaterials and pharmaceutical development, to food safety and microencapsulation. We provide product design and development, modeling and analysis, testing and evaluation, manufacturing assistance, and failure analysis.

### Chemistry & Materials

▶ Chemicals and materials are a part of our everyday lives, from the products we use to the foods we eat. Our scientists, analysts, and engineers work to find solutions to difficult technical challenges that help improve safety, health, and product performance.





## Defense & Security

◀ We evaluate weapons and armors including large and small ballistics and explosives. We perform work in cybersecurity, radio frequency, and signal analysis to advance industry network and homeland security. In addition to our testing and evaluation work, we provide world-class aerospace and aircraft solutions, and develop highly advanced, custom defense systems, large antennas, and sophisticated armors.

## Earth & Space

▶ Here at home, we explore geological secrets of our planet and apply expertise in deep-water systems to adapt components for harsh ocean environments. Off planet, we develop instruments and lead programs and missions that study the farthest reaches of our solar system and beyond.



## Electronics & Automation

◀ We design and develop custom software programs and products, intelligent transportation systems, automated manufacturing systems, industrial engineering solutions, robotics, and communications electronics for government and industry clients. Our programs are used in operations and maintenance for military and commercial manned aircraft, unmanned aerial vehicles, and training systems.

## Energy & Environment

▶ From oil and gas to nuclear and renewable resources, we are a leading provider of technical solutions that improve the efficiency, performance, and safety of energy across fuel cycles and supply chains. As part of our work in energy, we provide comprehensive environmental services that complement our work to improve efficiency and lower emissions.



## Manufacturing & Construction

◀ Industrial and commercial products must undergo a variety of tests to ensure they meet or exceed international standards for health, safety, and durability. We develop custom robotics solutions as well as technical services and support across manufacturing supply chains for many industries. Our product assurance and failure analysis services give manufacturers the capability to develop heavy-duty solutions and advanced materials that meet fire and construction standards.

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