



Engineering and Technical
Consulting Services

 RIMKUS



Consultants. Experts. Innovators.

Rimkus is a worldwide provider of engineering and technical consulting to corporations, insurance companies, law firms, and government agencies.

Our experts specialize in forensic consulting, dispute resolution and construction management services, solutions for the built environment, and human factors support for the consumer, industrial, and healthcare industries.

Since 1983, Rimkus professional engineers, architects, scientists, and technical specialists have been recognized for their commitment to service excellence by local, national, and international business communities.

Why We Exist

Rimkus is here to solve complex challenges wherever in the world they occur. Our highly diversified, global team includes professional engineers, scientists, and consulting experts who are adept at investigating and analyzing facts across a broad range of products, industries, and applications in both public and private environments.

What Sets Us Apart

Rimkus has experienced phenomenal growth through the years, with the majority of our business coming from repeat clients. The reasons are simple: we offer multi-disciplinary expertise utilizing the latest technology and provide outstanding customer service.

Industries Served

Our expansive team of qualified consultants and engineers confidently performs assignments for a broad spectrum of industries around the globe.

Building Owners and Managers
Construction
Government Agencies
Hospitality, Retail, and Restaurants
Industrial and Manufacturing Operations
Insurance

Legal
Oil and Gas
Power and Renewable Energy
Real Estate Development and Management
Transportation



Practice Areas

Construction Claims and Disputes

Our construction experts, architects, engineers, and contractors specialize in the investigation and analysis of complex claims. These projects may involve builder's risk claims, construction worksite accidents and injuries, contract disputes and delays, design and construction defects, economic damages, and surety bond defaults. Experienced in every phase of construction and offering a thorough knowledge of contractual issues, we isolate the facts to explain precisely what happened. From infrastructure and alternative energy to transportation and building projects, Rimkus offers real-world solutions for addressing construction risks and claims.



Industrial and Renewable Energy

The Rimkus Energy Practice group offers extensive experience in onshore/offshore oil and gas exploration, transportation, and processing; petroleum refining; petrochemical manufacturing; power generation; and renewable energy. Our experts investigate major industrial accidents involving fires and explosions, property damage, construction disputes, machinery and equipment failures, and pollution and health exposures. We design business interruption mitigation protocols and reconstruction strategies for recovery to help minimize risks, financial exposure, and the impact of economic damage.

Built Environment Solutions

Our Built Environment Solutions group's mission is to proactively identify, mitigate, and help eliminate the complex risks inherent in the procurement, design, construction, and operation of facilities. We can also provide detailed design services for buildings that have been damaged by fires, storms, earthquakes, or other incidents to help speed recovery and minimize economic damage. We offer a comprehensive range of services designed to optimize the performance, maintenance, and repair of buildings, plants, facilities, and infrastructure. Whether it's a government facility, office building, multi-family housing complex, resort, hospital, or industrial plant, our consultants apply decades of experience to bring long-lasting success to projects.



Property Loss Consulting

Major property losses can arise from severe weather events as well as deficiencies in design, construction, operation, and maintenance. When homes, buildings, structures, and infrastructure facilities become damaged, Rimkus has the expertise to isolate the damage, evaluate the cause of loss, and offer solutions for recovery. Our multi-disciplined team of experts offers a comprehensive approach to evaluating property damage involving all types of building systems and structures.

Meteorology



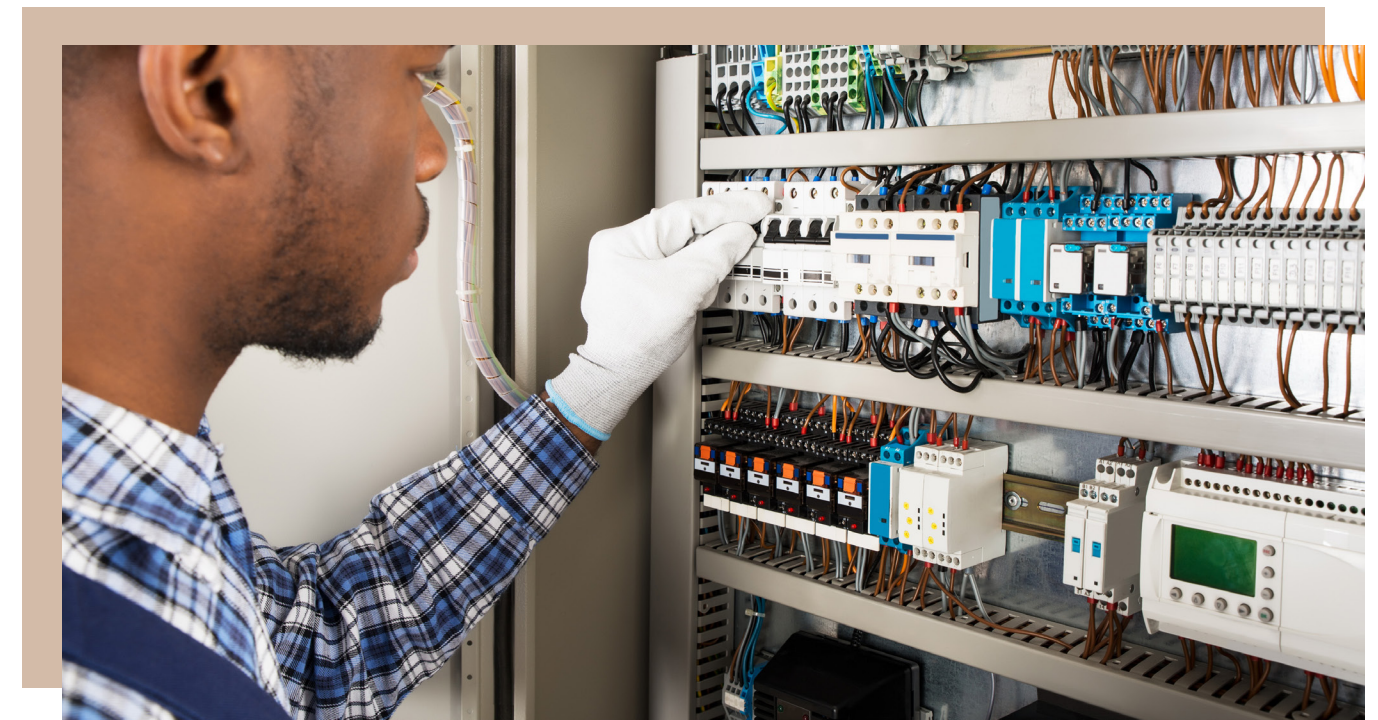
Forensic meteorology combines scientific data analysis and expert consulting services to provide the most accurate representation of a meteorological event. Rimkus forensic meteorologists collect and examine data to determine the magnitude, duration, and/or directionality of a weather event and seek to identify and quantify the adverse impacts produced by the event. With the help of WeatherPath, Rimkus' in-house weather data application, we can develop an analysis for any catastrophic weather event and provide a visual representation of the event in relation to any investigation.

Building Sciences

Building envelopes and related systems carry inherent property damage risks. Our engineers, architects, specialists, and industrial hygienists evaluate building design, construction, performance, codes, safety, standards, operations, and maintenance. We help clients with green-building planning, water management, energy and material use, and indoor environmental quality. Our expertise includes building envelope systems, mechanical and HVAC system evaluations, electrical system assessments, plumbing system evaluations, indoor air quality investigations, component testing, and green-building evaluations.

Fire and Explosion Science

Our team of engineers and certified fire investigators has in-depth knowledge of fire investigations, fire science, and fire and explosion modeling. Rimkus offers extensive experience in evaluating the origin and cause of fires and explosions involving vehicles, homes, schools, universities, buildings, manufacturing facilities, and industrial plants. When products, equipment, systems, or processes are suspected as contributing factors to a fire or explosion, our fire investigators work with our engineers, chemists, and materials science specialists to perform detailed failure analysis and testing to verify the root cause. We offer a comprehensive approach to isolate the facts and determine the origin and cause of loss.



Electrical Engineering Services

Rimkus electrical engineers have significant experience investigating electrical failures, ranging from home appliances to power plants. We conduct on-site inspections, collect and preserve vital evidence, and perform detailed analyses to determine the cause of fires, electrocutions, and equipment failures. We have experience investigating losses in power generation plants, transmission and distribution systems, lightning and surge damage to buildings, and industrial control systems.

Materials Science Engineering and Laboratory Services

Our metallurgical analysis and testing laboratory specializes in rapid response forensic materials engineering. Rimkus materials science engineers provide failure analysis, corrosion and defect investigations, reverse engineering, SEM/EDS micro-analysis, mechanical and weldment testing, chemical analysis, metallography, consulting, non-destructive testing, and litigation support to a wide range of clients.



Transportation Forensics

Rimkus engineers, reconstruction specialists, and scientists offer a wealth of knowledge and expertise in all aspects of vehicle accident reconstruction and analysis to accurately assess crucial evidence and recreate complex accidents. Utilizing state-of-the-art technology and proven methodologies, we document site conditions, examine vehicle damage characteristics, inspect mechanical/electrical systems, and preserve hard evidence. Our experts analyze the specifics, such as speed and direction of the vehicles, force of impact, skid-mark lengths, line-of-sight, scene conditions, and other pertinent data to determine the facts of the incident. We have extensive experience investigating vehicle accidents involving tractor-trailers, automobiles, busses, marine vessels, trains, motorcycles, bicycles, and pedestrians.

Marine Forensics

Rimkus specializes in evaluating a wide array of maritime accidents involving collisions, sinkings, groundings, allisions, fires, equipment failures, injury accidents, and property damage. We conduct on-site inspections, collect vital evidence, and perform detailed evaluations to determine the cause of loss. Our marine forensics experience with commercial and recreational vessels includes propulsion systems, hoists, and lifting and rigging equipment. Our experts have experience investigating damage to ports, harbors, marinas, piers, and docks, providing repair recommendations and evaluating associated costs.

Forensic Accident Reconstruction

Rimkus engineers, reconstruction specialists, and technical consultants offer significant expertise in all aspects of reconstruction analysis to accurately assess crucial evidence and reconstruct complex accidents. Our expertise includes accidents involving vehicles, products, equipment, machinery, premises liability, and human error. We have experience investigating incidents at construction sites; industrial, oil and gas, and manufacturing facilities; healthcare, hospitality, and recreational settings; and public institutions.



Biomechanics and Injury Causation

The Rimkus Biomechanical Engineering team specializes in injury biomechanics for scientifically based forensic investigations involving personal injuries. Our biomechanists offer unique expertise in physics, accident reconstruction dynamics, biomechanics, anatomy, physiology, and human kinematics to analyze the effects of forces upon the body and determine the mechanics of personal injuries. Rimkus experts' thorough knowledge of these related sciences, industry practices, training, safety, regulations, and contractual issues allows them to explain precisely what happened in a wide range of accidents, claims, and legal disputes.



Legal Nurse Consulting

Rimkus offers a team of Legal Nurse Consultants (LNC) to help clients understand the complexities of medical-related cases. Certified LNCs are nurses with extensive medical knowledge who can provide valuable insight and guidance through unbiased evaluation of medical documentation. LNCs are experts at seeing the bigger picture within medical records and can identify the key facts of a matter, such as the who, what, and why. Drawing from years of diverse clinical experience, they can interpret and organize electronic medical records, explain intricate medical issues in lay terms, convert unorganized medical records into indexed electronic searchable files, and even discern difficult-to-read handwriting. To bridge the gap between the medical, legal, and insurance industries, Rimkus can provide clear, concise guidance related to how medical issues affect case strategy and the merit of allegations. When attorneys need qualified personnel to help them navigate the medical environment, the services provided by our team of LNCs can help develop an informed litigation strategy and locate testifying experts as needed.

Human Factors

Rimkus Human Factors experts have extensive knowledge of human behavior and why individuals sometimes engage in less-than-safe activities. Our evaluations are grounded in scientific studies of human behavior and response in a variety of situations involving injury accidents, product liability, premises liability, and related matters. People often make decisions and behave in ways that increase the risk of an accident or injury. In some cases, accidents occur due to an honest mistake, in others, people intentionally break from safe practices. Our experts assess and evaluate the role of human behavior in accidents of all types.



Premises Liability

Our highly trained and specialized Premises Liability experts evaluate issues involving building code compliance, slip resistance, and security protocols for a variety of accidents. The Rimkus team of engineers, architects, biomechanists, human factors experts, safety professionals, and visual media specialists collaborate in analyzing accidents and incidents. We have investigated thousands of premises liability accidents and incidents at amusement parks, hotels, restaurants, retail facilities, casinos, office buildings, stadiums, and multi-family complexes.

Toxicology, Consumer Product, and Food Forensics

People can be exposed to a variety of potentially harmful chemicals, heavy metals, and organic compounds, as well as bacteria, fungi, and other causative agents at home, in the workplace, or in the environment. Rimkus has a strong reputation for providing forensic toxicological consulting services, having successfully investigated a broad range of incidents and issues. Our Toxicology group specializes in characterizing and quantifying the association between exposure to a substance and the magnitude of how it impacts human health and the environment.

Product Liability and Equipment Sciences

Rimkus engineers and scientists specialize in evaluating product liability claims and legal disputes. Applying extensive knowledge in product design, manufacturing, and safety standards in conjunction with failure analysis and testing expertise, we can determine the cause of possible malfunctions and deficiencies. Experienced in the investigation of commercial and consumer products, vehicles, machinery, equipment, and materials, our experts look at all phases of a product life cycle including design, manufacturing, operations, and maintenance. From a human factors perspective, we can also examine warnings and guarding to make sure that they are appropriate.



Healthcare Technology

Our experts help clients understand the root causes of medical equipment failures in healthcare facilities and homes. We evaluate medical equipment damaged in catastrophic events such as hurricanes, floods, fires, and power surges to determine the extent of damage and what needs to be repaired or replaced. We can evaluate possible failures of prosthetics (e.g., replacement joints, fracture fixation devices), braces, and pacemakers. When appropriate, Rimkus also assists with evaluating intellectual property claims and disputes over developing technologies.



Environmental and Health Sciences

Rimkus engineers, geologists, industrial hygienists, toxicologists, and other environmental professionals are often called upon to assess the extent of the environmental impacts, health risks, and associated costs to remediate damages and determine exposures. Our team specializes in evaluating complex pollution events and human health exposures through in-depth investigations, testing, and analysis. We can investigate contaminant sources, timing, fate, and transport; provide cost estimates for remediation and abatement; and determine what costs are reasonable and necessary. Rimkus consultants also perform air quality and safety assessments and provide expert litigation support, breaking down complex science into clear and understandable language.



Computer Animation, Trial Graphics and Video Enhancement

Visual presentations are very effective in communicating solutions to complex engineering problems. The Rimkus Visual Media and Technology Practice group has more than 30 years of experience in preparing animations, video sequences, and courtroom graphics for use as demonstrative evidence in litigation matters. Juries respond to animations and graphics that make complex facts clear and impart an understanding of the incident as the story unfolds before them. Our team of multi-media professionals collaborates with our forensic experts to produce clear, demonstrative evidence for settlement negotiations, summary judgment hearings, expert witness testimony, and trial.

Digital Intelligence

We provide digital intelligence and e-discovery services, specializing in legal and corporate data extraction and analysis from any digital device. Our highly skilled team enables access to previously inaccessible data and captures insights into today's complex, digital world.

Unmanned Aerial Vehicles (UAV)/Drones

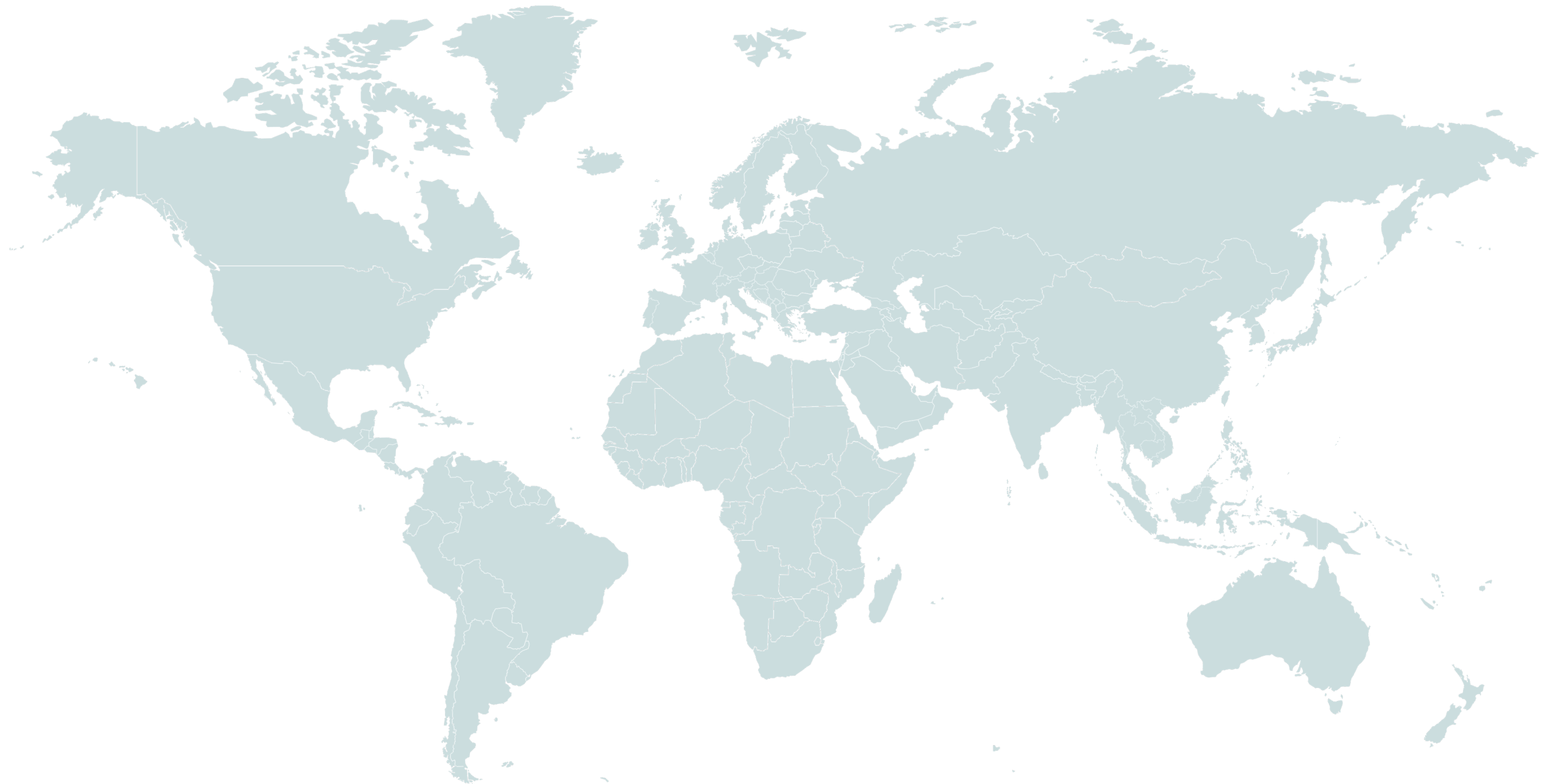
Rimkus experts use the latest drone technology to provide our clients with unique visual and digital information with greater efficiency. This technology safely provides access to previously hard-to-reach places, such as roofs and high elevations, without the need for expensive access equipment.



Operating from more than 110 offices, the Rimkus team of consulting experts assists clients with complex matters worldwide.

Rimkus Corporate Headquarters
12140 Wickchester Lane, Suite 300
Houston, Texas 77079

Toll Free: 800.580.3228
Web: rimkus.com
Email: expert@rimkus.com





 RIMKUS

rimkus.com
800.580.3228