Advancing how the world gets made.
About TRC

The world is advancing. We're advancing ahead of it. TRC is a global consulting firm providing environmentally conscious solutions powered by the latest technology. From pipelines to power plants, city streets to schoolyards, clients turn to TRC for breakthrough thinking backed by the steadfast follow-through of a 50-year industry leader. Today we offer groundbreaking yet grounded business consulting and applied technology that help our clients design, power, connect and fuel the world forward.

About Our Team
We are more than 5,000 technical professionals and support personnel serving 140 offices throughout the U.S., U.K., Canada and China. Our teams are made up of some of the most requested and sought-after experts in the business. We empower our employees to improve how we do business and promote a collaborative work environment where every voice is heard.

60s 70s 80s 90s 00s 10s

With lineage to Travelers Insurance, TRC incorporates in Connecticut in 1969 as The Research Corporation of New England, a meteorological and air quality analysis firm.

TRC is at the vanguard of the environmental movement, studying the effects of oil spills, managing the monitoring program at the infamous Love Canal and designing remediation plans for the EPA's first Superfund sites.

TRC develops services for the power industry and continues to work closely with the EPA, providing data about acid rain and contributing to the agency's first climate change studies.

TRC solidifies its place as the leader in air quality consulting and as the nation's premier Clean Air Act experts, becoming the first air pollution engineering firm listed on the New York Stock Exchange in the process.

TRC expands into infrastructure while serving as a pioneer in both renewable energy and energy efficiency, helping develop the largest wind farm in the country and designing and engineering the Pentagon's solar farm.

TRC continues to grow its business, expand its geographic footprint and develop new services, moving into the oil and gas industry with a cutting-edge pipeline engineering and integrity practice and enlarging its presence in California, the Midwest and the South.
The bedrock of our business.

To us, working to improve the environment isn’t just about billable hours.

It’s at the core of everything we do. No matter the project, you can count on our talented team to devise innovative answers to the issues that confront your business. Whether it’s cleaning up a contaminated piece of land, monitoring the air quality in and around your facility, ensuring that clean drinking water stays that way or simply meeting myriad governmental regulations, our environmental expertise gives us the know-how to develop practical solutions to your most pressing challenges.
As a firm with strong ties to the environmental movement of the 1970s, sustainability is etched in our DNA. For the past five decades, TRC has committed to solving client challenges in a way that makes the earth a better place to live – community by community and project by project.

There has never been a more important time to find the right balance between pursuing economic growth and protecting the environment for future generations. We collaborate with our clients to design tangible solutions that provide real, quantifiable results and ongoing benefits—long after a project’s completion.
Economic, environmental and regulatory pressures and rapid technological advancements are transforming the power and utility markets. TRC is your trusted partner, providing breakthrough solutions that help you navigate complex industry changes while delivering safe, reliable service to your customers. We provide end-to-end results for energy supply and delivery, environmental management, energy efficiency and advanced energy programs.

Utilities
TRC is a leader in addressing the extensive upgrades required for our nation’s electric grid and local gas network systems. We deliver project management, engineering design, surveying, permitting, testing and commissioning, construction management and compliance solutions for complex projects involving transmission and distribution, substations, protection and controls and telecommunications.

Generation
From system and critical issues studies to permitting, construction support, air measurements, remediation, engineering and decommissioning, TRC supports the full project lifecycle for all types of generation owners and developers. Our team empowers you to meet business and operational goals with technical solutions and lessons learned from decades of industry expertise.

Advanced Energy
TRC partners with utilities, agencies and businesses to make their energy visions actionable. We deliver integrated solutions for across-the-meter management through energy efficiency, demand response and distributed energy resources. Our real-world experience and forward-looking perspective help you surpass your regulatory and operational goals while influencing the next energy frontier.
Enhancing the Grid and Improving Resilience

TRC designed a complex greenfield substation to give customers in the Midwest more reliable and resilient power.

Challenge
Faced with both an aging electric grid and increasing energy demands, a leading utility in America’s heartland decided to retire an old substation and build a next-generation replacement.

Solution
TRC provided complete, start-to-finish engineering for the complex 138 kV substation, performing conceptual studies, developing equipment and materials specifications, designing the substation and creating protection and control design and RTU configurations. The new station connected to four different transmission lines – two 138 kV, one 69 kV and one 46 kV – and three distribution systems (34 kV and 12 kV).

Result
Customers served by the new, state-of-the-art substation now receive more consistent, reliable power with fewer outages.
Oil and Gas

Problem solver. Pacesetter.

The complexity and competitiveness of the oil and gas market requires a collaborator with the perspective of a planner, the problem-solving skills of a proven engineer and the real-world know-how of an owner/operator. That’s TRC. We provide innovative environmental, engineering and construction management services for oil and gas facilities and the infrastructure that links them. With project experience in all 50 states and more than 124,000 miles of pipeline engineered, we deliver on the toughest challenges.

Engineering and Construction Management
We offer a complete range of pipeline, facilities and distribution engineering services to create successful solutions in every phase of the asset lifecycle.

Environmental Permitting and Remediation
With a deep understanding of the regulatory landscape, unequaled industry relationships and one of the largest air and land teams in the country, we ensure siting, permitting and compliance for even the most complex projects.

Right of Way and Survey Services
We combine the latest technology and data integrity with decades of experience skillfully managing landowner relationships to meet ever-changing industry standards and requirements for your project.

Public Participation
With an eye on building public support for your project, we streamline approvals by working collaboratively with stakeholders and considering their feedback during the planning, permitting and licensing process.

Integrity
Once the project is complete, our experts provide carefully tailored, full-service integrity solutions to ensure your complex, critical infrastructure is operating safely at all times—bringing peace of mind to your shareholders, regulators and neighbors.
A Path to Prosperity: Midship Natural Gas Pipeline

TRC is building a vital piece of infrastructure that will carry natural gas 200 miles across Oklahoma to growing markets and bolster the United States’ energy independence.

Challenge
Natural gas production in the United States has skyrocketed by more than 50 percent since 2005 and will continue to grow over the next three decades. But many recent supply hotspots lack the infrastructure to carry the gas to the global marketplace.

Solution
TRC is providing a host of integrated services on the Midship Pipeline Project. Our solutions in the design phase included engineering, mapping and surveying, environmental analysis and securing permits for the right of way between Kingfisher County and Bennington, Oklahoma. With unrivaled capabilities and collaborative technology, TRC continues to provide engineering support on the pipeline and is building three mainline compressor stations and associated facilities as part of a stem-to-stern Engineer, Procure and Construct contract.

Result
The Midship Pipeline will provide capacity to safely move 1.44 million dekatherms of natural gas per day from the Anadarko Basin to the growing Gulf Coast and Southeast markets.
Rethinking and rebuilding our transportation infrastructure is one of the nation’s most pressing issues, and one that brings unprecedented cost. With trillions of dollars needed to upgrade everything from rural streets to subway tunnels, the road to repair can seem unclear.

TRC’s vision and experience provide the pathway to success. From consulting and planning to environmental analysis, engineering and construction, we help solve the most difficult infrastructure challenges.

Backed by 50 years of design excellence, environmental innovation and construction know-how, TRC combines science, applied technology and sound business strategy to help you navigate your project journey. With an unsurpassed commitment to safety, quality and sustainability, we ensure that our clients and their stakeholders get the most mileage out of their transportation investments.

Alternative Routes to a State of Good Repair
With limited or dwindling financial resources, government agencies small and large need to find new ways to keep our roadways, bridges, ports, airports and railroads safe and efficient. TRC has the expertise and creativity to bring much-needed projects to fruition through both traditional means and alternative delivery methods such as:

- Design-Build
- Design-Build-Operate-Maintain
- Public-Private Partnerships
- Construction Management-at-Risk

$20.9 billion
Amount of private investment in transportation since 2012
Moving Fast to Fix the Keystone State’s Bridges

TRC’s rigorous, on-site oversight ensured quality standards while delivering new bridges at a rapid pace.

Challenge
Maintaining Pennsylvania’s bridges is no easy task. The state has one of the largest and oldest inventories in the nation, and thousands of its bridges are rated structurally deficient. The Pennsylvania Department of Transportation prioritized 558 for replacement, which could have taken more than a decade to complete.

Solution
Instead of using conventional design, procurement and construction methods, PennDOT partnered with a private developer to initiate the $900 million Rapid Bridge Replacement Project to replace bridges of similar size and design. The largest public-private partnership (P3) of its kind in the U.S., the project upgraded bridges in every corner of the 46,000-square-mile state. TRC played a pivotal role, providing on-site quality assurance inspection of all bridges as well as in-plant fabrication inspection of structural concrete and steel products and geotechnical test borings.

Result
TRC’s efficient approach to quality assurance was vital to PennDOT’s P3 approach and enabled the state to restore more than 550 bridges in only 48 months – keeping costs down for taxpayers and minimizing frustration for drivers.
Real Estate

Your reliable real estate partner.

Purchasing, owning, managing and selling real estate assets bring myriad opportunities and potential profits, but there are plenty of pitfalls as well. Making smart investments and shrewd decisions requires expert guidance, accurate data and astute analysis.

TRC thinks like a property owner and provides a wide range of services that better inform your decision-making – no matter where you are in the real estate pipeline. Our experienced staff of attorneys, analysts, scientists and engineers have been providing critical services for commercial and residential real estate, schools and universities, hospitals and public facilities for decades.

We also help property owners maintain the value of their assets by conducting air quality testing and other environmental analysis and by performing asbestos, mold and lead paint abatement. And we can help optimize facilities to make them more energy efficient or physically secure.

Buildings and Facilities
From offices to hospitals, educational institutions to manufacturing facilities, clients rely on our comprehensive team of experts in geotechnical and structural engineering, environmental consulting, construction management, inspection and energy efficiency.
Stepping Up When Disaster Strikes

When Hurricane Sandy pummeled New York City and caused widespread flooding in Lower Manhattan, TRC sprang into action to keep construction at the World Trade Center on schedule.

Challenge
Hurricane Sandy was the largest Atlantic hurricane ever when it made landfall in the United States. It brought torrential rains to New York City and swamped much of Lower Manhattan—including the World Trade Center—with floodwater from the East River and 10 billion gallons of raw or partially treated sewage.

Solution
Concerned about extensive flooding and potential mold growth, the Port Authority of New York & New Jersey enlisted TRC to survey the damage to the World Trade Center. TRC mobilized an army of air sampling technicians, construction inspectors and industrial hygienists to perform air monitoring and moisture mapping. The team also oversaw cleaning and disinfection of plenums and HVAC system ducts and performed clearance sampling to ensure the facilities were safe for humans.

Result
The quick response enabled work crews at the World Trade Center to quickly resume their activities at the site without having to do extensive demolition and reconstruction.
Water

A thirst for progress.

Often taken for granted, many of our nation’s water distribution systems, treatment plants, dams and levees were built during the first half of the 1900s and are approaching the end of their useful life. And over the coming years, population growth will put even bigger demands on existing water and sewer systems, and expanding development will require the construction of new water infrastructure and flood control measures.

To tackle this daunting task, municipalities, counties, states and even private entities will be counting on trusted experts with the experience and know-how to complete complex water projects in a timely, cost-effective manner. TRC has been a leader in water infrastructure for more than two decades, providing a host of services that include design, engineering, testing, permitting, analytics, construction management and inspection.

15,498

dams across the U.S. have high hazard potential.
Saving Northern California from Catastrophe

When California’s Oroville Dam nearly failed in 2017, TRC was on the scene within hours, overseeing around-the-clock emergency repairs to meet an aggressive five-month construction deadline.

**Challenge**
The Oroville Dam in Northern California, the tallest in the country, almost suffered a catastrophic failure in 2017. After weeks of record rainfall, its primary and secondary spillways suffered significant damage, endangering the lives of 190,000 residents downstream who had to be evacuated.

**Solution**
Working under an on-call contract with the California Department of Water Resources, TRC spearheaded temporary repair work in the days and weeks that followed. Work crews demolished and rebuilt more than two-thirds of the 3,000-foot main spillway and reinforced the emergency spillway—an endeavor requiring more than 500 pieces of heavy equipment and the construction of two on-site concrete plants.

**Result**
The emergency repairs secured the dam and made it safe in time for California’s rainy season in November. In 2018 TRC played a pivotal role in Phase II of the $1.1 billion project, which entailed finishing work on the main spillway and upgrading the emergency spillway with a 1,450-foot long retaining wall anchored to bedrock and a stair-like splash pad the size of 25 football fields.
Government

Critical infrastructure for our communities.

Maintaining critical infrastructure can be difficult for government entities of all sizes. They need solutions that require combined expertise in transportation, environmental systems and real estate. More often than not, those solutions come from the experts at TRC.

Public Works
Cost is often the big hurdle for municipalities responsible for overseeing the infrastructure serving their communities. TRC collaborates with our clients to maintain and safeguard assets, including water, sanitary systems and solid waste while enhancing open space and recreational options.

Energy Programs
With growing populations and ever-changing energy needs, cities and government agencies need creative solutions that ensure energy reliability and reduce dependency on the traditional power grid while keeping energy prices affordable. TRC conducts feasibility studies, planning and implementation of alternative energy systems such as microgrids, energy storage and renewable energy programs to help agencies implement the best programs for their communities.

Civil Infrastructure
Whether communities need to expand or repair their commuting infrastructure, TRC is the right choice for this critical work. We partner with city and state agencies from concept selection to project delivery. We conduct environmental evaluations and help minimize the impact to surrounding neighborhoods and environmental systems.

Redevelopment and Revitalization
From environmental assessment to design and construction, TRC provides integrated solutions that help communities create safe, vibrant spaces for their residents.
Moving Forward to Save the Past: LAX Theme Building

TRC devised critical safety upgrades to one of LA’s most iconic structures – the Theme Building at Los Angeles International Airport.

Challenge
Designed in 1959, LAX’s iconic Theme Building was built before modern earthquake protection methods were developed, leaving it vulnerable to Southern California’s active fault lines. But adding traditional vibration dampeners would significantly alter the landmark building’s clean, space-age lines.

Solution
In conventional buildings, tuned mass dampeners are added to the base of structures to counterbalance earthquake vibrations. However, installing them at the base of the Theme Building would require making a key architectural element – the spidery support legs – much larger. So TRC created a new way to build a tuned mass dampener – by placing 600 tons of steel at the peak of the building.

Result
Groundbreaking in its simplicity and effectiveness, this new tuned mass dampener protects Theme Building visitors from the threat of earthquakes without marring the building’s futuristic profile.
Markets We Serve

Power and Utilities
- Electric Utilities
- Gas Utilities
- Renewables
- Thermal Generation
- Advanced Energy Solutions

Oil and Gas
- Upstream
- Midstream
- Refining & Chemicals
- Industrial
- Manufacturing
- Mining

Transportation
- Roads & Highways
- Bridges
- Rail & Transit
- Ports
- Airports

Real Estate
- Residential
- Commercial
- Multi-Use
- Education
- Healthcare

Water
- Water Resources
- Waste Water
- Storm Water
- Dams
- Water & Utilities

Government
- Local & Municipal
- State & Provincial
- Federal
Quality and safety

A safety first culture.

TRC’s commitment to safety is not lip service. Safety is embedded in our culture and integral to how we conduct our business. Our executive safety council provides leadership for safety initiatives that protect not only our employees, but the work sites they frequent. The council and our safety team work tirelessly to develop strategies that target hazards across all business sectors in an effort to reduce risk.

Quality. Consistently.

We believe that quality does not come by chance. Quality is a responsibility that we all share. Our focus on quality requires accountability across all business sectors. This isn’t just about meeting expectations. It’s about becoming a trusted partner for our customers.

TRC’s Total Recordable Incident Rate was 0.34 in 2018.