



# End-to-End Solutions for the Energy Transition

Powering the shift with unique resolutions for consulting, engineering, construction management and field services.

# The TRC Advantage: Partnering for Progress

Comprehensive consulting and engineering capabilities delivered by knowledgeable, highly-trained, industry-proven personnel across entire power delivery scope.



## BREADTH OF SERVICES

We provide end-to-end capabilities across Distribution, Transmission, Substation, Protection & Control, and Power System Studies nationwide. As a national organization with a strong local presence, we offer integrated solutions and partner with diverse businesses to help clients achieve their goals.



## HIGHLY EXPERIENCED PERSONNEL

Our knowledgeable, reliable, and responsive tested practitioners consistently deliver a high-quality work product backed by comprehensive field and industry expertise, and training. We stay ahead of emerging standards through active participation in organizations such as the IEEE Substation Committee, the IEEE Transmission Overhead Line Committee, and the ASCE Civils Committee.



## RIGOROUS TRAINING REQUIREMENTS

We invest in robust onboarding and training programs, pairing new engineers with experienced mentors to provide real-world knowledge-sharing. Our dedication to safety and compliance is reinforced by annual training requirements, including mandatory safety and cybersecurity sessions.



## SEAMLESS EXTENSION OF YOUR STAFF

Participating in client meetings, understanding client work practices and standards.





# Creating Unique Resolutions Through of Vision and Values

Motivated by our culture and driven by our Mission to “understand our clients’ goals and embrace them as our own”, our employees are the enablers of our strategic vision. Through our innovative and forward-looking approach to the market, we strive to continually create value for our clients, our employees, our investors and other stakeholders – solving the challenges of today and tomorrow.



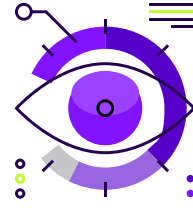
## Our Purpose

TRC exists to create new pathways for the world to thrive.



## Our Vision

We will solve the challenges of making the Earth a better place to live- community by community and project by project.



## Our Belief

Fixed Mindsets will never serve a world in flux.



### SAFETY

We create a working environment that protects against any condition.



### ACCOUNTABILITY

We own the responsibility for all of our decisions and actions.



### QUALITY

We deliver excellence across every interaction, always.



### TEAMWORK

We stand shoulder-to-shoulder with partners for success.



### INTEGRITY

We hold an unwavering commitment to do right by our clients and the world.



### PASSION

We are ignited by the possibility of positive change.



### CREATIVITY

We believe in responding to challenges as opportunities, bringing new angles to every obstacle.





## The Pressures Shaping the Energy Transition

The energy industry is at a turning point, with utilities facing a range of unprecedented challenges that demand immediate attention and innovative responses:

- **Climate Change and Its Ripple Effects:** Increasingly severe weather events, from wildfires to hurricanes, are putting energy infrastructure to the test, requiring utilities to invest in resilience and adaptation.
- **Shifting Customer Expectations:** Consumers are calling for greater transparency, renewable energy options, and reliable service, compelling utilities to rethink how they operate and communicate.
- **Intensifying Regulatory Demands:** New emissions mandates and environmental policies are forcing utilities to modernize faster, balancing innovation with compliance.

## Embrace The Shift with TRC

TRC is leading the charge toward a cleaner, smarter energy future. With a proven track record and innovative solutions, TRC's practitioners help utilities tackle their biggest challenges while positioning them for long-term success.

Here's how:

- **Strategic Consulting for Tangible Outcomes:** Our team helps utilities assess their operations and implement actionable plans to align with evolving regulations and meet customer needs.
- **Engineering Solutions That Deliver:** From integrating renewables to strengthening grid reliability, we design systems tailored to the unique challenges of each project.
- **Construction Management You Can Count On:** With an unwavering focus on precision and efficiency, we ensure every project is completed on time, within budget, and in full compliance with regulatory standards.

By partnering with TRC, utilities can confidently navigate the complexities of the energy transition and build a sustainable future for their communities.





# 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.

TRC's corporate health and safety program is administered and maintained by Mike Glenn, National Safety Director, and a safety structure of over 50 staff providing support throughout the country. TRC's commitment to health and safety is reflected in our Total Recordable Incident Rate (TRIR) of 0.20 and Experience Modification Rate (EMR) of 0.93 for 2023.

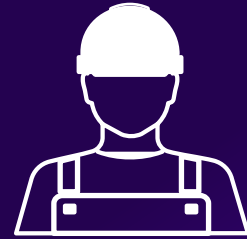
## Quality

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.

## A Commitment to Our Communities

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.



TRC's Total Recordable  
Incident Rate was

0.20

Experience Modification Rate

0.93

in 2023

TRC's Energy Efficiency group  
managed projects that saved

3 billion

kilowatt-hours the equivalent of  
planting



79 million

new trees



# Grid Modernization

From aging infrastructure to a rapidly changing energy mix incorporating renewables and distributed energy resources, major advancements in technology, shifting customer demands and evolving policy, utilities today are faced with unprecedented challenges.

Implementing significant upgrades and modernization initiatives are essential to maintain reliability, build resiliency and bolster the safety and security of the electric grid both now and for the future. Modernization programs, however, can be a significant undertaking that requires detailed planning and complex execution.

At TRC, our advisors, designers and engineers are tested practitioners with the expertise and experience to advance your grid modernization projects from start to finish. As a trusted partner, we work with you to bring automation, control, visibility and flexibility to your assets, systems and operations.



# Grid Modernization Solutions

## Distribution Operational Technologies (OT)

- Solid reputation for delivering OT expertise and solutions (SCADA/DMS/OMS)
- Advisory services: market surveys, business cases, requirements, use cases, RFPs and vendor selection services Implementation services: ranging from on-demand expertise to complete implementation teams embedded within client's organization
- Project management, technical leadership and specialized engineering services (architecture, displays and data model management, RTU communications, infrastructure, deployment and cutover)
- Maintenance support of large-scale OT systems across various vendor platforms

## Advanced Metering Infrastructure (AMI)

- Architecture, design and operations consulting for AMI/ MDM
- Enhanced use cases for reliability/resiliency and added customer value
- Leverage and integrate data to increase operational efficiency and improve decision making

## Protection and Controls Design and Engineering

- New installations and additions/modifications to existing stations and systems
- Standards development
- Automation, including IEC-61850
- Relay cabinet design, application analysis and settings calculations
- NERC compliance consulting
- Testing and commissioning

## System Protection Engineering and Distribution Automation

- Conceptual design through final commissioning
- Programmatic approach integrating equipment and device standardization, template development, process optimization and deployment monitoring
- Studies, calculations, relay settings, models and compliance

## Distribution Planning, Design and Engineering

- Overhead and underground design
- Pole loading and structural analysis, joint use management
- Line relocation and reconductoring
- Storm assessment, hardening and recovery
- System studies and reliability planning

## Geospatial Solutions

- Data assessments and technical roadmaps, to implementation, data validation and modeling
- System design and strategic planning
- Distribution integrity
- Standardized, verifiable and complete systems that are easy to maintain and accessible to a whole organization

## Telecommunications

- Planning, design and field solutions supporting network development from concept through commissioning
- Master planning studies, smart grid planning and inter/ intra substation communications
- Microwave, wireless and fiber system design
- FCC licensing and compliance
- Performance testing







# Decarbonization Strategies

The impacts of climate change are visible across every community- increasing wildfires, more severe weather, loss of power during frequent storms. As the world takes steps to tackle this unprecedented challenge, rigorous carbon reduction strategies are imperative.

Decarbonization is accelerating at all levels globally. As a leading consulting firm committed to this transformation, TRC provides environmentally focused and digitally powered solutions towards a net-zero energy future.

We partner with government agencies, utilities and businesses from initial planning through design and execution of decarbonization programs. From the electrification of vehicles and buildings to energy efficiency and renewables, we create new pathways for the world to thrive regardless of the climate.



# Decarbonization Strategies Solutions

## Decarbonization Strategy

- Objectives evaluation, pathways identification, technology assessment
- Roadmap development and modeling aligned with investment criteria and value creation opportunities
- Feasibility studies, fatal flaw analysis and front-end engineering design studies
- Project implementation, verification and reporting successes

## Power System Studies

- Interconnection feasibility
- System planning reliability assessments
- System impact, analysis and modeling for steady state, dynamic and short-circuit for all voltage levels
- System protection studies, calculations, relay settings models and compliance support

## Integrated Renewable Energy Development

- Integrated environmental, engineering and construction solutions for optimal project efficiency and accountability
- Site selection and evaluation
- Environmental planning and permitting
- Electrical and civil engineering and design
- Procurement and construction management
- Due diligence and transaction support

## Battery Energy Storage Systems

- Business case strategy development and owner's engineering services through design and build for both behind and in-front of the meter systems
- Battery-focused load-shifting and resiliency-focused program design and delivery
- Site feasibility studies, site design and permitting, system studies, system studies, automation and controls engineering, civil design, construction management, testing and commissioning and interconnection

## Advanced Energy Solutions

- Turnkey implementation for award-winning demand side management programs that reduce emissions for some of the largest US utilities, agencies and power authorities
- Pilot and program design for innovative, decarbonization-focused solutions that target commercial, industrial, governmental, multi-family, residential and income qualified markets
- Expert-level research, engineering, and evaluation services that maximize decarbonization efforts and support continuous program improvement

## Advisory and Consulting Services

- Research and demonstration projects that advance commercially-available decarbonization solutions
- Regulatory and strategy planning and support services
- Codes and standards development to accelerate decarbonization efforts

## Clean Transportation

- Clean fleet transportation strategic consulting solutions
- Technical demand planning
- Federal funding and policy support
- Creative services
- Feasibility solutions such as environmental planning and permitting, power system studies, injection studies, regulatory and compliance, etc.
- Design and engineering capabilities from power system engineering to civil and structural design to telecommunications





# Grid Resiliency

Our power system today faces an ongoing risk of serious damage from threats including naturally occurring climate or weather-related disasters, accidents and deliberate harm. The growing intensity and frequency of severely disruptive events has made resiliency a top priority for utilities, regulators and customers

Whether undertaking projects to better withstand and recover from severe threat impacts or streamline operational data to manage distributed resources connecting to the grid, you need specialized expertise and manpower to plan and implement system enhancements.

TRC has been a trusted partner to the utility industry for over 50 years, delivering agility, fortitude and peace-of-mind to advance a resilient grid. Our integrated power delivery engineering and digital grid solutions help bridge the gap from current capabilities to future goals. We adapt our approach, based on your unique needs, helping simplify your operational processes and achieve cost effective, efficient grid modernization results that improve reliability for your customers.





# Grid Resiliency Solutions

## Distributed Energy Resources Integration and Management

- Research, strategy and business case development
- Use case analysis and technical assessments
- Functional and technical solutions design
- System vendor evaluation and technology procurement
- Solutions design, architecture and implementation

## Transmission Engineering

- Overhead and underground line design
- Line rating, re-rating and upgrading
- NERC compliance
- Routing, siting, and right of way management
- Design alternatives and standards development
- Program and project management
- LineHub® digital design and engineering data management system

## Substations

- AIS and GIS substations (2.3kV – 765kV)
- Engineering, procurement and construction
- Project management
- Construction management
- Integrated Design and construction (BIM, 3D, 4D, 5D & 6D)
- System Protection and control
- Automation and Integration
- Staff Augmentation

## Digital Substations and High-Tech Automation

- IEC 61850 engineering, from concept to completion
- Protection and control, system protection and automation-integration design
- Application development and testing
- Detailed documentation and standards development
- Settings and calculations
- Testing and commissioning

## Compliance and Studies

- System planning and reliability risk assessments
- Standards tracking
- Audit evaluation, mitigation planning and compliance improvement
- Distributed generation and transmission planning studies
- System impact, power flow, short circuit and stability studies
- Asset optimization strategy
- Portfolio management

## Storm Response Power Restoration

- Planning, damage assessment, engineering design and program management for emergency situations
- Public outreach and leadership for mutual assistance responses
- Facility restoration and circuit design improvements
- Construction and restoration crew management
- Hazardous clean-ups
- Digital transfer of field condition notes and records updates

## Energy Management Systems (SCADA/EMS)

- Solid reputation for delivery of electricity transmission solutions (SCADA/EMS)
- Advisory services: market surveys, business cases, requirements, use cases, RFPs and vendor selection services
- Implementation services from on-demand expertise to complete embedded implementation teams
- Project management, technical leadership and specialized engineering services (architecture, displays and data model management, RTU communications, infrastructure, deployment and cutover)
- Maintenance support of large-scale OT systems across various vendor platforms





# Grid Security & Reliability

Now more than ever, today's power grid is vulnerable to disruption. From the impacts of severe weather to man-made threats and attacks, ensuring the security and reliability of your assets and systems is critical to maintaining safe, continuous power and operations for your customers and communities.

Whether security breaches have occurred, or regulatory compliance is requiring your facility to step up security, or you want to be ahead of the curve with regards to protecting your people, systems and assets, TRC goes beyond just a simple checklist. We stand shoulder-to-shoulder with our partners to deliver unique resolutions to the toughest challenges. Our holistic approach includes the review of policies and procedures, the development and implementation of hardening and operational security measures and training recommendations.

With a clear vision and deep understanding of our clients' distributed operations and specialized network configurations, TRC develops and deploys strong yet flexible security programs that balance the fundamental elements of Risk Management, Operational Policies, System Hardening and Resiliency.



# Grid Security & Reliability Solutions

## Grid Hardening

- Assessment and feasibility planning
- System evaluation, outage analysis and risk modeling
- Design, implementation and owner's engineering services
- Grid communications/sensor deployment, data reporting and data governance
- Microgrid, ADMS and DERMS programs
- Physical and cyber security

## Physical Security

- Threat and vulnerability assessments
- Building, site and campus security planning
- Security technology engineering and design
- Video surveillance and analytics
- Perimeter security and gunfire detection systems
- Security policy and procedures
- Regulatory compliance audits, implementation and cap analysis
- Training and awareness programs
- Disaster recovery and business continuity planning

## Cybersecurity and Data Protection

- Rapid assessment, evaluation and scorecard development
- Forensics, testing and roadmap planning
- Wired and wireless network scanning and mapping
- Video surveillance and analytics
- Security technology engineering and design
- Information technology and communications infrastructure security
- Security system and process implementation
- Ongoing education and governance

## Cloud Solutions

- Consulting, design, implementation and administration services
- Private, public and hybrid cloud systems
- Transition of physical, on-site system to cloud infrastructure

## Energy Equity

- Back-up power to support vulnerable populations
- Climate action plan design to better serve disadvantaged communities
- Diversity and inclusion plans for client sustainability programs







# Digital IT-OT Integration & GIS

The convergence of Information Technology (IT) and Operational Technology (OT) is revolutionizing the utility industry, enabling real-time insights, enhanced decision-making, and more efficient operations. As utilities face evolving challenges such as managing renewable energy integration, enhancing grid reliability, and addressing cybersecurity threats, the integration of IT and OT systems is no longer optional—it's essential.

At TRC, our specialists help you bridge the gap between IT and OT with solutions tailored to your unique operational needs. Leveraging tools like GIS, advanced analytics, secure data exchange, and scalable system architectures, we deliver practical and impactful outcomes that enhance visibility, control, and resilience across your organization. As your partner in digital transformation, we empower you to unlock the full potential of IT-OT convergence.

The benefit? We bring a deep understanding of your challenges, and a wealth of lessons learned to your project.



# Digital IT-OT Integration & GIS Solutions

## Advanced Metering Infrastructure

- AMI Strategy & Consulting (AMI “2.0” readiness)
- Technology Evaluations & Vendor Assessments
- MDM Implementations & Upgrades
- Systems Integration
- Cloud Migrations & Managed Service
- AMI Solution Architecture
- Data Migration
- DERs/DERMS
- Strategic Framework
- Strategy Development
- Value Analysis
- Readiness Assessment Roadmap
- DERMS assessments, requirements, procurement processes (RFX’s), solution architecture, systems integration, configuration, program design
- EE to DER Transition

## Geospatial Solutions

- Geospatial consulting
- Spatial data services
- GIS integration
- GIS Upgrades / Health Checks
- GIS in the cloud
- Utility Network

## Energy Control Systems

- Owner’s engineer services
- Project management
- Project technical leadership
- Solution design & architecture
- Process & procedures analysis
- Systems integration
- Quality assurance & testing
- Display & database build/migration

## Connected Field Management

- Consulting, design, implementation and administration services
- Private, public and hybrid cloud systems
- Transition of physical, on-site system to cloud infrastructure

## Managed Services

- IT/OT managed services & solution delivery
- Utility managed services
- Cybersecurity
- Program management
- Systems engineering
- Service & support desk

## Cloud Solutions

- Consulting, design, implementation and administration services
- Private, public and hybrid cloud systems
- Transition of physical, on-site system to cloud infrastructure

## Analytics/Grid Edge Intelligence

- Strategy & Roadmap
- Organizational Assessments & Design
- Use Case Prioritization
- Use Case Operationalization
- Value Realization
- Technology Evaluations

## Products and Solutions

- Process and Technology Gap Assessments
- Use Case Prioritization
- Technology Evaluations
- Solution Development
- Use Case Operationalization
- Solution Support





## Software Product that Delivers Results

### Empowering Teams with the Right Mobile Mapping Software

Utilities face growing challenges like grid modernization and resiliency, but field crews still struggle with complex IT systems and too many apps.

TRC's Lemur simplifies field operations by integrating enterprise apps, data, and geospatial tools into one easy-to-use solution. It streamlines work order management, asset tracking, and GIS, boosting productivity, safety, and accuracy.

With Lemur, crews work smarter using a single, seamless platform—reducing complexity and improving performance in the field. In fact, one of the most impactful results of integrated mobile mapping is the ability to capture and update data directly in the field.

#### Welcome to Lemur

Lemur is TRC's enterprise-grade, licensed mobile mapping app that adds the benefits of powerful GIS tools to sophisticated work management systems already in place for thousand of concurrent users. It brings efficiency and safety to field teams with spatial intelligence, work management integration, and data capture tools in a focused, easy to use interface. Lemur supports virtually all field operations, from vegetation management to asset maintenance and construction. Staff can use geospatial workflows like redlining and as-building to improve both field and back-office business processes. Since Lemur is purpose built to work offline, staff can perform remote duties regardless of cell coverage.

#### Achieve Field Program Efficiency Today

Bring the power of geospatial technology to field workers and set up for a streamlined, enterprise approach for field operations. Lemur's easy-to-use, offline-first approach empowers workers to support virtually all workflows with the power of GIS blended with world-class work management. And since it's native to the platforms already in place, the data is always relevant and accurate. By delivering an intuitive, robust geospatial toolset, Lemur reduces time wasted finding information, improves safety, and increases field efficiency.

#### Benefits of the Lemur Mobile Mapping:

- Streamlined workflows both online and offline
- Accelerated digital construction to as-built
- Increased data accuracy with in-field data capture and correct
- Reduced errors in performing and recording work
- Optimized adoption rate with minimal training





## Environmental Services

### Powering a Sustainable Future

Environmental stewardship is a cornerstone of modern electric utility projects. As industry standards evolve, utilities must navigate complex regulations to ensure compliance while delivering reliable energy solutions. Our comprehensive environmental services empower utility providers to meet these challenges head-on, from project planning to execution.

- Permitting
- Site Selection & Evaluation
- Environmental Monitoring
- Remediation & Materials Management
- Environmental Health & Safety Management

## Compliance & Risk Management

### Navigating Complexity with Confidence

Electric utilities operate in a highly regulated environment where compliance is non-negotiable, and the stakes are high. Successfully managing risk and adhering to evolving regulatory standards ensures not only operational continuity but also public trust. TRC's Compliance & Risk Management services are designed to provide proactive solutions that safeguard your projects, reduce liabilities and support long-term success.

- Regulatory Compliance
- Risk Management







# Professional & Field Solutions

In the utility industry, on-site capabilities are critical to ensuring safe, reliable, and efficient operations. Professional and field solutions bridge the gap between strategy and execution, offering essential services that address both routine maintenance and complex operational challenges. These solutions provide the expertise and resources needed to optimize system performance, enhance safety, and ensure regulatory compliance.

Testing and commissioning services verify system startup, troubleshoot issues, and conduct protective relay testing to ensure reliable operations. Vegetation management emphasizes integrated planning and permitting to maintain clearances, minimize outages, and promote grid reliability. Joint use services address pole attachment contracts, safety audits, and compliance for shared infrastructure. Asset management leverages advanced data analytics, Geographic Information Systems (GIS), and condition monitoring to optimize performance and extend asset life.

With an evolving energy landscape and a retiring workforce, utilities face the challenge of bridging skills gaps while keeping pace with modernization. TRC addresses this need with workforce development programs designed to equip managers, engineers, and technicians with the skills to implement advanced systems safely and efficiently. By aligning training with industry demands, we help utilities build resilient, future-ready teams.

At TRC, we combine technical expertise, cutting-edge tools, and workforce strategies to deliver seamless solutions that align with your operational goals, helping utilities achieve efficiency, reliability, and resilience at every stage.



# Asset Management Solutions

## Advanced Analytics and Artificial Intelligence

- Use case development
- Technology and data strategy
- Operational efficiency
- Data integration

## Grid Hardening

- Assessment and feasibility planning
- System evaluation, outage analysis and risk modeling
- Design, implementation and owner's engineering services
- Grid communications/sensor deployment, data reporting and data governance
- Microgrid, ADMS and DERMS programs
- Physical and cyber security

## Aging T&D Infrastructure

- LineHub® digital design and engineering data management system
- Line rebuilds and uprating
- New transmission and fiber-optic communications designs
- Overhead and underground line design
- High voltage line design to 765 kV and HVDC
- Planning studies, land acquisition/management, routing and permitting
- Civil, structural and electrical engineering
- NERC compliance
- Line reliability and failure analysis
- Construction and program management

## Joint Use Services

- Contracting and administrative services
- Make ready engineering and remediation
- Attachment request processing and notifications
- Pole attachment audits and inventories
- NESC safety audits and remediation
- Pole loading/structural analysis and clearance
- Pole ownership surveys and determination
- Standards and rate development
- Utility construction coordination and inspection
- Training, regulatory and litigation support

## Vegetation Management

- Assessment, planning and program development including integrated vegetation management
- Digital solutions and technology integration
- Field surveys, safety and operations including GIS, spatial analysis and data collection
- Environmental and cultural permitting and monitoring
- Registered foresters and arborists

## Testing and Commissioning

- Startup and commissioning of new equipment and systems (greenfield and energized sites)
- Troubleshooting, analysis and evaluation of in-service equipment and systems
- Protective relay testing
- High voltage apparatus testing
- Outage and energization planning
- Oversight and supervision
- Customized training programs

## Routing & Siting

- Land Identification and Buildable Analysis
- Routing and Siting Services
- Right of Way Acquisition and Management
- Siting, Licensing and Permitting
- Transmission Planning Studies
- Analysis of Environmental, Health and safety (EHS) Risks and Liabilities for Transmission Lines

## Construction & Inspection Solutions

- Construction Management
- Program Development and Planning
- Site Assessments / Conceptual Design Review
- Project Planning / Outage Planning
- Owner's Engineering Support
- Construction Coordination and Administration
- QA/QC Program Management
- Documentation and Compliance

## Inspection

- Fabrication Inspection
- Materials Testing
- Non-Destructive Testing







# Workforce Development Solutions

## Addressing Skill Shortages

- Highly trained engineers and field support team
- Augment your in-house operations
- Support as a direct extension of your own staff
- Skilled and versed in your specific standards and processes.

## Power Academy Training Program

Located in Lancaster, PA, this state-of-the-art training center offers hands-on experience with a fully equipped mock substation, interactive classroom technologies, and both on-site and mobile training. Designed for all skill levels and both technical and non-technical workers, courses cover testing and commissioning, troubleshooting, safety, QA/QC, policies and procedures, planning, communication, and risk reduction, building both technical expertise and professional business skills.

## Immersive Learning Technology

- Immersive learning technology includes advanced augmented reality (AR), virtual reality (VR) and mixed reality (MR) tools
- Hands-free, heads-up display for remote collaboration and problem solving
- Two-way communication between field and office staff
- Collect, observe, and analyze documents, images and technical drawings
- Virtual expert assistance to reduce errors and more efficiently diagnose and solve critical issues.

## Human Performance

- Focused training to reduce costly and dangerous substation commissioning errors
- Developed by renowned utility human performance educators
- Helps reduce outage risk
- Helps reduce instances of injury or death.



# TRC's Insights

Our practitioners share their insights and perspectives on the trends and challenges shaping the market.

[How Does a Distribution Grid Work?](#)

[How to Effectively Plan your Distribution Modernization](#)

[5 Megatrends Powering the Shift in Today's Utility Landscape](#)

[What Is Grid Resilience and How Can It Be Improved?](#)

[Reasons for IT/OT Modernization](#)

[Two Key Principles to Guide Your Virtual Power Plant Strategy](#)

[Best Practices, Technologies and Risk Reduction to Optimize Digitization](#)

[Strengthening the Future Utility Workforce through Immersive Learning Technology](#)

[The Importance of Effective Construction Management in Data Centers](#)

[Why You Need Lemur Before the Next Disaster Strikes](#)

[Decarbonization 101](#)

[Improve Asset Management and More with IT/OT/GIS Integration](#)





[TRCcompanies.com](http://TRCcompanies.com)