

# FIRM PROFILE

## General Information

CTLGroup is a globally recognized consulting and testing firm that offers expert technical services to clients across a diverse range of industries. Our team comprises engineers, architects, scientists, and consultants who bring unparalleled experience, knowledge, and capabilities in structures and materials. This makes CTLGroup the first call whether you require advice, data, forensic analysis, expert testimony, or a combination of services.

For over a century, CTLGroup has been providing dependable solutions to some of the world's most significant challenges. We are committed to evolving and adapting to new challenges as the world around us changes.

### Why CTLGroup

#### A one-stop provider.

We provide world-class materials testing in our laboratory and expert consulting in structural mechanics.

We are among the few in our field who have both in-house.

Our capabilities are not siloed—we can assemble a tailored, integrated team to meet a need, quickly and seamlessly.

#### Accessible and approachable.

Our team is committed to operating with absolute integrity.

We take the time to listen, understand the problem at hand and deliver solutions that are based on sound research principles.

We're a nimble organization, and our clients benefit from having expertise directly available to them when they need it.

#### Confidence you can build on.

We are experts in materials and mechanics for structures and other applications. Our collective, cumulative expertise manifests itself in proven, highly sophisticated investigative processes that, combined with our people, gives you maximum confidence that you're getting the right answers the first time.

#### CTLGroup serves clients in an array of industry sectors, including:

- Buildings
- Energy & Resources
- Oil, Gas & Chemical
- Insurance
- Litigation
- Materials
- Rail
- Water Resources
- Transportation

### Key Facts

Over 30% of professional staff hold advanced degrees

70% of staff hold professional licenses within the U.S., Canada, Mexico, and U.S. Virgin Islands

Licensed to provide engineering services in most U.S. states

50,000+ square feet of materials and structural testing laboratories

Projects in 70+ countries



### Quality Management System

Our dynamic QMS processes provide the framework for monitoring, measuring, and improving everything we do. Through our QMS, we have achieved accreditations and certifications, such as:

#### ISO 9001 Certification

#### ISO 17025 and AASHTO Accreditation

#### U.S. Army Corps of Engineers

Validated laboratory status

#### 10 CFR 50, Appendix B/NQA-1

Compliant for nuclear safety related work

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## Services

### Consulting Services

CTLGroup delivers timely and practical solutions to complex issues in building practices, construction materials, evolving technologies, and structural performance.

Our cross-disciplinary teams of engineers, architects, and scientists work together to resolve structural, material, and product-related problems with clarity and precision.

Few firms can match the combined expertise of our consultants and our renowned testing laboratories.

#### **Clients rely on us as trusted advisors and problem-solvers in these areas:**

- Adjacent Construction Monitoring
- Building Sustainability
- Construction Consulting & Troubleshooting
  - Preventative Pre-placement
  - Mixture Design Review
  - Curing Planning
    - Remedial (after placement cracking and other issues)
- Failure Investigation & Litigation Support
- High Strength Concrete
- Load Testing
- Mass Concrete Consulting & Thermal Control Plans
- Materials Consulting
- Monumental & Structural Glass
- Nondestructive Testing
- Pavement Design
- Pre-construction Consulting
- Structural Engineering & Evaluation
- Repair & Rehabilitation
- Risk Management
- Ultra High Performance Concrete

### Laboratory Services

CTLGroup provides the analyses and collaboration clients need to make informed performance decisions.

Our laboratories conduct physical, chemical, and microscopic evaluations of building materials and products, as well as large-scale testing of engineered systems and components (with load capacity up to ten million pounds).

Clients trust us for testing metals, aggregates, building systems, structural glass, mass timber, concrete, and cement.

#### **Whether standard or specialized, we deliver the right test to meet every challenge. Areas include:**

- Failure Analysis
- Materials Analysis
- Materials Characterization
- Materials Performance Assessment
- Mix Design Optimization
- Research & Product Development
- Service Life Prediction and Modeling
- Specialized Testing

#### **Testing services include:**

- Abrasion Resistance
- Analytical Chemical Testing
- Fatigue Testing (Stay Cable, AREMA, AAR)
- Mechanical Behavior Testing
- Mortar/Cement/Concrete Testing
- Nondestructive Testing
- Petrography/Microscopy
- Physical Testing