

Risk & Insurance

CTLGroup is an internationally-recognized engineering and scientific consulting firm serving clients in all aspects of the building and structure life cycle, from new construction and commissioning, to maintenance, repair, and rehabilitation, to re-development and decommissioning.

CTLGroup experts are routinely engaged by risk management professionals for technical services in loss avoidance strategies, including engineering risk assessment and mitigation, builder's risk, and business continuity planning, as well as post-loss and recovery services such as failure investigation, root-cause analysis, and repair.

Property Loss Avoidance

We worked with the New York City Department of Buildings to lead a team of over 30 subject matter experts evaluating high risk construction activities focusing on high-rise concrete placement, operation of cranes, hoists, and excavation operations. The High Risk Construction Oversight study (HRCO) was a response to two fatal crane collapses that occurred in New York City within months of each other, in addition to an increasing trend in job site accidents. The study resulted in over 60 formal recommendations for changes in construction practices to mitigate construction risk and improve safety.

Property Loss Recovery

A major primary insurance carrier retained CTLGroup to investigate allegations that blasting at a limestone quarry was the cause of structural damage to a group of buildings in a commercial real estate portfolio. In addition to on-site structural inspection, the investigation required examining thirty years' worth of blasting records and related documents. CTLGroup engineers developed a custom information system to identify and extract key data points amid 35,000 pages of subpoenaed records. Using the extracted data and in-depth knowledge of ground vibration and structure dynamics, our firm then developed a quantitative basis for evaluation of the damage claims.

Risk Management Services

- Due Diligence Inspection + Structural Evaluation
- Construction Risk Evaluation + Mitigation
- Multi-Hazard Vulnerability Assessment

Property Loss Services

- Catastrophe + Disaster Response
- Forensic Investigation
- Repair Design
- Litigation Support

