



Westwood Engineering, P.C.

WISDOM COMES FROM KNOWLEDGE,
KNOWLEDGE COMES FROM OUR EXTENSIVE EXPERIENCE

Profile:

A multi-discipline Professional Engineering and Technical Services Firm offering consulting, but not limited to, the construction, forensic, engineering, physical science, environmental science, risk, economics, planning and management with experience in delivering successful environmental, infrastructure consulting and construction projects with positive results, efficiency and improved operations. Quality professional technical Consulting, and Litigation Support services to clients throughout the United States, we offer the experience and qualifications necessary to evaluate the application of the engineering principles, Systems Design - Safety Engineering/Human Factors - Industrial Safety - Construction Safety - Premises Liability - Patent Claim Analysis - Failure Analysis - Physical Testing and Measurement. We make use of standards, engineering texts, papers, publications and appropriate regulations in this analysis. We will conduct tests and measurements as necessary to assess, evaluate and document all observations relative to the scope of work.

Expertise in the areas of new construction, remodel, consultation, project management, inspection/ analysis for infrastructures, commercial, healthcare facilities, hospitals, laboratories, medical environments, hotel, institutional, office buildings, multi-residential, hospitality and retail industry; with specialties in evaluation, installation, maintenance & repairs, life safety, hospital; fire & life safety related access issues, ADA compliance & life safety, fire inspection analysis acoustic isolation & construction, healthcare construction requiring clean rooms, labs; providing services for construction/project management, CPM scheduling, soils and geotechnical, plumbing; HVAC, boilers, fire suppression and mechanical piping systems evaluations, field inspection, facility assessments and construction cost accounting.

Technical services can provide display models for court presentations and reenactments, supporting presentations for construction claims and disputes regarding schedule/delay claims, design and construction defect claims, personal liability, compliance with local building codes and standards, water resources, pollution control, resource recovery and environmental engineering, with special concentration in areas of water pollution, industrial wastewater control and treatment.

We are available to participate as panel members for Mediation, Disputes Review Boards and other ADR Claims Resolution Procedures to provide industry-leading project risk management, dispute resolution, and expert witness services to Owners, Contractors, and Construction Litigators on major construction projects.

Our staff includes: an expert staff of construction industry professionals Engineers {civil, mechanical, forensic, foundation, highway and structural} Architects Scientists, Investigators, Geologists, Consultants, Schedulers, Accountants, Project Managers and other experienced Technical Experts / Construction Professionals, each with many years of experience as licensed Professionals, focused on helping our clients solve a wide range of technical issues.

Years as an Expert Witness & Comments: 10+yrs., 35% Plaintiff + 65% defense (approximately), work is performed exclusively for the private sector of the economy. Environmental engineering assignments are not accepted from governmental or regulatory organizations or agencies. Training / teaching workshop is available for all aspects of construction and its related management topics.

Partial categories of expertise - Types of Services:

Mechanical Engineering

Equipment Design

Machine Guarding & Controls

Industrial Engineering

Material Handling

Process Design & Controls

Civil Engineering

Site Investigation

Foundations

Highways

Geotechnical

Storm water management

Underground utilities

Landscaping

Structural Engineering

Failure Analysis

Complex foundation soil bearing

Water intrusion

Architectural Engineering

ADA

Building Codes

Residential, commercial, recreation and highway projects

Environmental

Pollution Control

Waste Management

Indoor Air Quality

Water Quality Services

Monitoring/evaluation Advisory Services

Environmental Design, Management and Reporting

Industrial Wastewater Investigations Treatment & Resource Recovery

Local POTWs and sanitary facilities

Upstream waste characterization - minimization of wastewater discharges

Wastewater neutralization, pH control and pretreatment

Hazard Materials

Source control evaluations

Process development and resource recovery from waste products

Corporate Environmental Responsibility - compliance or regulation difficulties

Human Factors

Distraction / Perception

Reaction Time

Decision Making

Warnings & Labels

Product Liability

Design Defects

Alternative Designs

Prototype Redesigns

Product Design

Hand / Power Tools

Premise Liability

Slips, Trips & Falls

Mold, termite, fire and drainage problems

Risk Management

Compliance Auditing

Consulting/Analysis

Industrial Hygiene

Noise / Vibration

Personal Protection Equipment

Real Estate

Construction/management

Investment analysis

Contracts

Appraisals

Leasing

Economic Studies

Planning & Permitting

Regulatory Issues

Fire Protection

Commercial / Residential

Equipment / Appliances Selection, Design, Controls

Safety

Injury Prevention – Safety Plans and Inspections

Personal Injury

OSHA

Review of Applicable Codes, Statutes and Industry Standards

Materials Engineering

Failure Analysis / Research

Forensic Engineering

Construction

Merger & Acquisition

Plumbing

Fire Suppression

HVAC

Construction Management

Controls

Expert Consultant & Witness & Litigation Support:

- Strong, well - prepared Testifier in: Depositions, Mediation, Arbitration & Trials
- Approximately 95% of Cases have Settled
- Cost Evaluation & Estimating
- Code & Local Law Compliance
- Jury & Trial Testimony
- Inspections/Photo-Documents & Evidence Collection
- Work Schedule Analysis
- Trial testimonies in local, state and federal courts
- Buyer/seller, owner/contractor dispute resolutions
- Personal injury/death cases
- Plans and specifications for construction and repair of: commercial, industrial, residential and public works: sites, subdivisions, and structures
- Second Opinion Reports
- Forensic Engineering – Consultation, technical investigation, testing and analysis.
- Exhibit Preparation, Computer Modeling and Animation – modern computational tools to analyze and present technical concepts, graphical presentations of test data, scaled CAD drawings to show configuration and layout, three dimensional modeling and full scale computer animations for demonstration of our interpretation of the subject event.

Our staff includes: an expert staff of construction industry Professionals Engineers {civil, mechanical, forensic, foundation, highway and structural}, Professors, Architects Scientists, Investigators, Geologists, Consultants, Schedulers, Accountants, Project Managers and other experienced Technical Experts / Construction Professionals, each with many years of experience as licensed Professionals, focused on helping our clients solve a wide range of technical issues.

Affiliations: American Society of Mechanical Engineers, National Society of Professional Engineers, American Society of Civil Engineers, National Academy of Forensic Engineers and American Society of Safety Engineers.

Certifications: Licenses - Registered Professional Engineers, Master Plumber, Master Fire Suppression Piping Contractor, Site Safety Manager, Certified Safety Planner, Practicing Safety Professional, and OSHA certified Construction and General Industry. All jurisdictional requirements for experts are available for review.

Primary Area of Expertise: Engineering, Systems Design, Industrial Safety, Plumbing, Construction Safety, Safety Engineering, Construction Claims, Premises Liability, Legal/Litigation Support, Building Codes Standards & Compliance Ergonomics & Human Factors, OSHA Standards & Compliance, Premises Accidents—Lighting, Defects, etc, Safety Engineering, Slips, Trips & Falls, Traffic Work Zone Safety, Transportation Regulations & Standards

Fees: Please contact us for a prompt and confidential consultation, case or file budget and estimates. Free initial consultation

Geographical: Services offered nationwide with headquarters in New York and licensed in various states, comprises an expert staff of professionals