

Forensic Engineering

Architectural Building System Failures
Differing Site Conditions
HVAC/Mechanical System Failures
Process System Failures
Design Errors & Omissions
(Standard of Care)
Structural Collapse
Electrical Systems
Control Systems
Environmental/Hazardous Waste
Fire Protection System
Fire & Explosion Incidents

MDCSystems® has over **40 years** of construction consulting experience investigating, analyzing and resolving construction project disputes.

Forensic Project Management®

CPM Schedule Analysis
Delay, Suspension & Acceleration
Labor Disruption & Inefficiency
Scope Definitions and Changes
Budgets and Estimates
Termination for Default/Convenience
Defense Procurement

Forensic Accounting

Valuation of Damages
Business Interruption
Lost Profit
Fraud Investigation

MDCSystems® provides clients expert consulting services for construction projects. Our team of engineering consultants specialize in forensic engineering and expert witness services for domestic and international disputes at trial.

Systematic Approach to Construction Analysis

Preliminary Assessment

MDC®'s experience allows for an expeditious project overview identifying the strengths and weaknesses of relevant issues and recommending approaches that strengthen our clients' position.

Fact Finding

MDC® reviews and organizes all available pertinent data to document technical issues, schedule performance and project management. We assist clients with document discovery, document management and strategy development for all elements of the litigation process.

Expert Analysis

MDC® utilizes scientific methods of investigation to determine the facts and validity of each party's allegations. Where appropriate, schedule analysis tasks include establishing As-Planned and As-Built Schedules and preparing Time Impact Analysis (TIA)®. These and other fact-based models provide the basis for determining causation, identifying the responsible party and the appropriate allocation/quantification of costs and damages.

Presentation of Findings

If requested, MDC® prepares expert reports presenting our analysis and findings. Our expert witnesses have testified in foreign and domestic depositions, arbitrations and trials. MDC® also develops state-of-the-art demonstrative evidence for courtroom presentations.



Saving Clients Time and Money

Before investing a significant amount of time and money into your capital project, allow MDC® to perform a critical evaluation of your situation. MDC®'s systematic approach to construction analysis includes preliminary assessments, fact finding, scientific methods of investigation, and presentation of findings.

MDC® determines and verifies facts to facilitate problem resolution during the life of a project. Should the dispute require negotiation, arbitration or litigation, MDC® provides compelling and scientifically-based expert witness services. Let MDC®'s experts show your organization how to utilize the knowledge of science and engineering and MDC®'s wisdom, based on our years of experience, to help you avoid and/or resolve problems early in the life of your capital project.

CLIENTS

ADP	Coats Rose	Lexington Insurance Company	Saul Ewing LLP
AECOM	Cozen O'Connor	Marshall Dennehey, et al.	Siemens
Air Products & Chemicals, Inc.	Dean Mead	Merck & Co., Inc.	Schering-Plough Corp.
Alcan Inc.	Decotiis	Miller, Johnson, Snell & Commiskey PLC	Schiff Hardin LLP
American Electric Power	Drinker Biddle	Morgan, Lewis & Bockius LLP	Skellenger Bender PS
BASF Corp.	Donovan Hatem LLP	Nason & Cullen, Inc.	Stark & Stark
Becton Dickinson	Faegre & Benson LLP	NJDOT	Stradley Ronon
Black & Veatch	Foster Wheeler Corp.	NJTPA	Sun Oil Company
Bristol Myers Squibb	Hale & Dorr LLP	Orgain Bell & Tucker	Tallman Hudders & Sorrentino
Buchanan Ingersoll	Hatch	Peckar & Abramson PC	Taylor Colicchio & Silverman LLP
Burns, White & Hickton	Hatzel & Buehler, Inc.	Pepper Hamilton LLP	Trammel Crow Development
CDI Corp.	Huntsman	Powell Trachtman	Turner Construction Company
Camp Dresser & McKee	INTECH	PPG Industries	Toll Brothers, Inc.
City of Philadelphia	Jones Day	PSEG Enterprises, Inc.	Toyo Engineering Corp.
	Kirkland & Ellis	Raytheon Company	Warner Norcross & Judd LLP
	Lambert & Weiss	Reed Smith LLP	Williams Montgomery & John Ltd.

Licensed Professionals

Expert Credentials

The multi-disciplinary consultants at MDCSystems® include licensed professional engineers (mechanical, civil, structural, electrical and environmental), licensed architects and accountants. Our senior professionals have an average of over 30 years of hands-on national and international design, construction and project management experience.

Expert Witness Testimony

MDC®'s experts are successful witnesses because of our impeccable credentials and field experience. Our professionals have qualified as expert witnesses in both State and Federal Court venues as well as International Arbitration. Expert qualifications are now more important than ever, given the recent impacts of the Daubert/Kumho requirements for expert credentials and their methodology. MDC®'s senior professionals have passed the stringent interpretations of Federal guidelines concerning expert testimony and have been accepted as experts for project and construction management, architecture, engineering, and construction cost estimating, schedule analysis, and damages.

Scientific Methods of Investigation

This expertise, in combination with our fact-based scientific methods of investigation outlined below, provides clients with reliable, consistent and persuasive expert analysis and credible opinions.

- Time Impact Analysis (TIA)®
- Forensic Project Management® (FPM)®
- Capital Project Management System® (CPMS®)
- Project Advocates®

MDCSystems® conducts seminars & training for public and private sectors. Topics include:

- Design-Build Project Delivery Systems
- Contract Administration
- Strategic Planning for Complex Projects
- Restarting Stalled Projects
- Construction Contract Disputes
- Dispute Avoidance & Resolution Design Review & Analysis