DELTA
CONSULTING GROUP

Philip M. Spinelli

Managing Director

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Philip Spinelli is a mechanical engineer with more than 30 years of experience managing, overseeing and analyzing construction and manufacturing projects. He has performed forensic and proactive investigations and developed risk management strategies for some of the largest and most complex projects throughout North America.

Philip advises owners, contractors, design professionals and counsel on project schedule delay, errors and omissions, productivity, disputed extra work, construction cost accounting and other commercial matters. He has authored expert reports and presented his findings at negotiations, mediations, arbitrations and other dispute resolution proceedings. His experience spans major energy, industrial, transportation, institutional, residential and public-sector projects.

Selected Project Experience

World Trade Center Redevelopment

Performed a forensic analysis of budget changes across the first 10 years of the redevelopment program, evaluating more than $7 billion in cost growth. Assessed capital projects, operations, processes and compensation, and developed a revised estimate to complete.

Airport Terminal

Led a team reviewing an errors and omissions claim against the design team and construction manager for Terminal 4 at John F. Kennedy International Airport.

Gillette Stadium

Managed the review of an errors and omissions claim involving the design team for the development of Gillette Stadium. Evaluated alleged design-related cost increases and prepared the technical basis for the design team's defenses at mediation.

Commuter Rail Expansion

Performed a schedule delay analysis of civil construction and software integration for the Dulles Metro Rail expansion.

Advanced Train Control System

Prepared a schedule delay analysis for the development and installation of a train control system for San Francisco Municipal Railway. Findings supported settlement discussions.

Potash Mine and Processing Facility

Advised counsel to the owner of a 1-million-ton-per-year potash mine expansion regarding schedule delays, cost overruns, quality issues and the EPC joint venture's contractual performance. Prepared an expert report for mediation.

Gas Processing Facility

Advised counsel to the mechanical contractor for a 250-million-cubic-feet-per-day gas processing facility. Performed a schedule delay analysis for arbitration concerning the causes of late plant completion.

Gas Pipeline Construction

Analyzed schedule delay and lost productivity claims involving a 550-kilometre gas pipeline. Established the contractor's measured-mile performance and evaluated the causes of reduced productivity.

Chemical Processing Plant

Evaluated cost overruns associated with the construction of a flame-retardant processing plant in Arkansas. Findings supported closeout of the design and construction contracts.

Hydroelectric Dam

Advised counsel for the electrical contractor on a hydroelectric generating station with capacity exceeding 800 MW. Evaluated labor, material, subcontractor and indirect costs and developed detailed responses to audit findings to substantiate invoiced expenditures. Findings supported settlement discussions.

EDUCATION

- **Villanova University**
  Bachelor of Science, Mechanical Engineering, with a concentration in Business Administration

AFFILIATIONS

- Member, Society of Construction Law
- Former Chapter Board Member, Association for the Advancement of Cost Engineering
- Former Construction Committee Liaison, American Bar Association Section of Litigation
- Former Fairfield County Council Member, Construction Institute