



JOHN CHARLES JERZ

ASSOCIATE DIRECTOR

BERKELEY RESEARCH GROUP
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PROFESSIONAL HISTORY

- Berkeley Research Group 2016-
- FTI Consulting 2014-2016
- Hill International 2011-2014
- CPM Consulting 2001-2011
- Aerie Networks 2000-2001
- Enron Broadband Services 2000
- Level(3) Communications, 1998-2000
- MFS/Worldcom, 1994-1998
- United States Army, 1986-1991

EDUCATION

- Masters, Project Management, Keller Graduate School of Management, 2012
- B.S. Electrical Engineering, Southern Illinois University, Carbondale, 1994

Mr. Jerz is an Associate Director of Berkeley Research Group (BRG) Construction Practice with more than 28 years of international experience in the construction and engineering sectors.

Mr. Jerz's areas of expertise include project management, project planning, critical path method (CPM) scheduling, delay analysis, cost analysis, change order analysis, and productivity analysis. The projects he has worked on in his career consist of offshore oil platforms, oil and gas plants, pipelines, natural gas fields, airports, chemical plants, telecommunications, water treatment plants, commercial buildings, and power plants.

He has provided program/project management and control services, construction claims, engineering, implementation, operations, and quality assurance services to projects ranging from \$20 million to more than \$30 billion.

As an Expert, he has written numerous expert reports, and has testified in arbitration on damages and productivity. In addition to analyzing delay and disruption claims ranging from \$3 million to more than \$300 million, Mr. Jerz has evaluated the performance of owners, engineers, and contractors by reviewing schedules, productivity and cost data, and change orders.

His responsibilities also consisted of project planning, contract review, budget and financial model development, vendor negotiations and management, and database development. As an electrical engineer, he facilitated the design, procurement, implementation, and testing of telecommunications equipment and facilities throughout the U.S. and Europe.

While serving as a Shift Supervisor and Sergeant in the U.S. Army, he operated, tested, and maintained satellite and fiber-optic communication equipment when stationed in Germany.

PROJECT EXPERIENCE BY INDUSTRY

Power Generation & Transmission Projects

- Circulating Fluidized Bed (CFB) Power Plant, LA. Analyzed all project costs and productivity impacts on a \$1 billion 600 MW CFB power plant (includes two 330 MW CFB Boilers, one 600 MW Steam Turbine) utilizing contractors accounting system and earned value system. Provided Expert testimony in deposition and arbitration on productivity and associated damages with delay and disruption.

- Hydroelectric Dam Project, Canada. Performed a delay and productivity analysis on a \$26 million claim involving delay, disruption, acceleration, and associated damages during the excavation works on a hydroelectric dam project. Prepared an Expert report that was used for settlement negotiations.
- Hydroelectric Dam Project, Canada. Currently assisting the owner in evaluating delay, disruption, and acceleration claims submitted by several contractors during the course of construction on a \$10+ billion dollar 824MW hydroelectric dam project which includes civil and mechanical works on the powerhouse & spillway, as well as associated AC & DC substations. Prepared multiple presentations used for negotiations.
- DC Transmission Lines, Canada. Assisted the owner in evaluation of contractor's performance during the course of construction on a 1,100 km DC transmission line. Reviewed project progress reports, schedules, productivity data, and developed progress measuring systems used to evaluate and provide feedback on contractor's performance.
- Hydrogen Power Plant, CA. Provided project control services, including developing cost, schedule, and earned value metrics required for Department of Energy reporting, on a \$3.2 billion hydrogen power plant.
- Cogeneration Power Plant, Alaska. Performed a concurrent delay analysis on a \$24 million claim involving delay and disruption on a cogeneration power plant project.

Oil, Gas, & Pipeline Projects

- REX Natural Gas Pipeline, United States. Analyzed project costs, multiple change orders, and performed a detailed productivity analysis on a \$6 billion pipeline project. Developed databases used for establishing cause-and-effect relationships from contemporaneous project records. Prepared an independent Expert report used by the client to communicate to their JV partners all the reasons for cost overruns.
- Shell / Arrow Energy Coal Seam Gas (CSG)/Liquefied Natural Gas (LNG) Project, Brisbane, Queensland, Australia. Developed an integrated master schedule for a major \$30+ billion CSG/LNG project that includes more than 6,000 wells, two major pipelines, and an LNG plant. This project includes creating detailed drilling sequences and rig profiles, as well as sequencing gas processing facilities, water treatment plants, water dams, construction villages, and other supporting infrastructure, for the upstream portion of the project.
- OCLNG, Liquefied Natural Gas (LNG) Project, Queensland, Australia. Analyzed delays and productivity impacts during the construction of two separable portions of a 500-kilometer natural gas pipeline project. This involved evaluating two separate \$100+ million delay and disruption claims submitted by the general contractor and providing several Expert reports and presentations used in mediation.
- Oil Production Platforms, Gulf of Mexico. Performed an audit of 14 fixed leg oil production platforms in the Bay of Campeche, Gulf of Mexico for the largest oil and gas owner in Mexico. The audit was conducted to determine the primary sources of the cost overruns for the fabrication, transportation and installation of these 14 fixed leg platforms for a total cost over \$1.5 Billion. Prepared an independent Expert report used by the client that explained all overruns.
- Debottlenecking Gas Expansion Project, Saudi Arabia. Performed a multiple change order analysis, engineering drawing delay analysis, and analyzed contractor performance problems on a \$138 million claim on a debottlenecking gas plant expansion project. Prepared an Expert report that was used in mediation.

- Refinery Rebuild Project, Canada. Performed a detailed cost analysis for all direct and indirect costs on a \$90 million cost overrun claim on a refinery rebuild project. The results were used for insurance settlements.
- Offshore Oil and Gas Production Platform (Holstein) Gulf of Mexico. Performed a cost and productivity analysis of a \$100 million cost overrun claim resulting from mismanagement, delays, and rework by an engineering, procurement, and construction (EPC) contractor for an offshore oil and gas production platform.
- Offshore Oil and Gas Production Platform (Devil's Tower) Gulf of Mexico. Performed a productivity and concurrent delay analysis on a \$760 million offshore production facility. Prepared an Expert report that was used for mediation.
- British Petroleum, Oil Platform Decommissioning Works. Developed the project controls systems, both cost and schedule, for a \$2.5 billion oil platform decommissioning project. In addition to producing the work breakdown schedule (WBS) and a fully integrated project schedule, aligned the schedule and cost estimate with the WBS for earned value reporting and management.
- British Petroleum, Coalbed Methane Gas Field, CO. Assisted with the project controls development for a \$2 billion coalbed methane gas field for the execution of 1,000 wells over 10 years. Created the work breakdown structure (WBS), and assisted with schedule updates and reports, scheduling procedures, and progress measurement criteria.
- Sino Iron Ore Pipeline Project, Western Australia. Served as an independent testifying Expert and analyzed productivity losses during the construction of three pipelines due to owner-caused delays, defective pipe, and associated welding problems. Prepared an independent Expert report for the Federal Court, Australia Western Registry.

Industrial & Process Projects

- Polyethylene Terephthalate (PET) Plants, Argentina and the Netherlands. Analyzed delays associated with multiple change orders on a \$100 million claim regarding two PET plants.
- Ethanol Plant, Peru. Analyzed delays, costs, change orders, and productivity impacts on an ethanol plant construction project in Peru. Prepared an Expert report for ICC arbitration.
- Delayed Coker, Venezuela. Performed a detailed schedule analysis in support of the contractor's entitlement to a time extension and delay damages on a \$20 million claim on a delayed coker project.
- BHP Billiton-Global Project Services. Conducted a thorough review of all BHP Governance documentation associated with Major Capital Projects. Developed standardized progress metrics/KPI's for use in project reviews. Modified and enhanced the existing project controls review guidelines and checklists to ensure the guidelines are updated to align with BHP's gate passage requirements.
- Pulp & Paper Expansion, Brazil. Performed a productivity analysis and acceleration claim in support of the contractor's entitlement to damages on a \$67 million (BRL) claim. Prepared Expert reports used in ICC arbitration.

Water Treatment Projects

- Desalination Plant Project, Adelaide, Australia. Served as an independent testifying Expert in an adjudication for analyzing engineering delays during the construction of a desalination plant. Prepared an independent Expert report for the Supreme Court of Victoria, that quantifies a subcontractor's productivity loss using contractor's earned value system, cumulative impacts due to multiple change orders, and related damages to engineering work.
- Northern Water Treatment Plant Project, Chinchilla Queensland, Australia. Developed an as-built validation/issue database to correlate actual progress against planned activities and code issues during construction of a water treatment plant.
- Lift Station, CA. Performed a schedule analysis for a \$2 million claim and developed a delay issue database that assisted in calculating the amount of excusable compensable delays.

Government Projects

- Panama Canal Expansion Project, Panama. Evaluated project schedules, project control practices, performance monitoring, and performed several risk analyses during the construction of the \$5 billion Panama Canal expansion project. Prepared independent Expert reports that verified the EPC Contractor's current project progress for the Panama Canal Authority (APC).
- New South Wales (NSW) Department of Transport, Services Reform Program Central Program Management Office, Sydney, New South Wales, Australia. Responsible for devising an integrated schedule for the implementation of a \$320 million Central Program Management Office for a major government reform program. Duties also included drafting the work breakdown structure, project control procedures, and schedule updating procedures. Assisted in commercial contract and work order development, vendor negotiations, and risk management.

Telecommunication Projects

- Fiber-Optic Telecommunications Network, United States. Performed a productivity and concurrent delay analysis for a \$15 million claim involving delay and increased costs during the engineering and construction of a fiber-optic telecommunications network.
- Enron Broadband Services, Denver, CO. Involved in the design, procurement, and implementation of network equipment and facilities related to Enron's bandwidth trading platform.
- Level (3) Communications, Broomfield, CO. Responsible for design, procurement, implementation, and testing of Voice over IP (VoIP) equipment using prototype soft switch technology.
- WorldCom (previously MFS Communications), Westmont, IL. Interfaced with the Engineering, Operations, Financial, Sales, and Procurement departments in the development of the company's Quality Assurance

program. Conducted more than 100 technical audits of both domestic and international telecommunication networks.

- Aerie Networks, Denver, CO. Responsible for project planning, corporate budget and financial model development, customer proposal development, network and facility designs, database development, contract review, procurement, and vendor negotiations and management.
- U.S. Army, Bad Aibling, Germany. Operated and performed troubleshooting, testing, and repair of satellite and fiber-optic communication equipment. Established workloads, work schedules, and repair priorities for the 24-hour operation and maintenance of a fixed satellite communication facility.

Airport & Commercial Building Projects

- International Airport Renovation, FL. Evaluated multiple time impact analyses submitted by a general contractor to the owner that requested time extensions during an ongoing \$900 million renovation project for an international airport.
- Federal Office Building, CA. Developed a document database used to support a delay and causation analysis related to a federal office building (19 floors) dispute.

Publications

- "EOT Claims: Success Navigation through a Legal and Technical Minefield," AACE International Conference, Washington, DC (2013)
- "Total Float Management Renovating a Misused and Abused Approach," 2008 AACE International Transactions, Volume 1 (2008)

Seminars

- "Total Float Management Renovating a Misused and Abused Approach," 52nd Annual Meeting of the AACE International and 6th ICEC World Congress on Cost Engineering, Project Management, and Quantity Surveying, Toronto, Ontario, Canada (2008).
- "Schedule Time Control," Dynalectric Company, San Diego, California (2007).

Professional Affiliations

- Society of Construction Law - North America (SCL-NA) – Founder & Board Member
- Institute for Electrical and Electronic Engineers (IEEE)
- Association for the Advancement of Cost Engineering International (ACEI)