International Experts in Claims Analysis,
Dispute Resolution, and Project Management
for Process, Oil & Gas, Pipeline, Power, Industrial,
Infrastructure, and Building Construction Projects



### **Construction Claims Experts** – Experience Matters

Long International provides expert engineering and construction claims analysis and expert testimony, project management consulting, and insurance claims analysis services to the engineering and construction industry worldwide. Our staff of over 45 professionals has extensive U.S. and international experience on large, complex projects incorporating conventional-phased, fast-track, or EPC turnkey concepts. Long International's consultants include chemical, mining, civil, mechanical, and electrical engineers, and program, project, and construction management professionals. Our experts have earned advanced degrees, professional engineering licenses, and project management professional certifications.

Our senior personnel have on average over 35 years of experience working for major oil and chemical companies, manufacturing companies, power generation companies, public owners, international engineering and construction companies, mechanical and electrical contractors, construction consulting firms, banks, insurance companies, and financial institutions. Our experts have managed, designed, and built projects, and managed the cost and schedule control functions of projects. We have analyzed claims involving disputed change orders, schedule delay, acceleration, time extensions, liquidated damages, loss of productivity, defective specifications, procurement problems, deficient project management performance, property damage, advance loss of profits, delayed startup, and business interruption damages. We assign senior-level consultants with extensive engineering and construction experience to perform these analyses and testify in mediation, arbitration, litigation, or other ADR forums.

Please visit our website at www.long-intl.com for a complete listing of our personnel.



**Richard J. Long, P.E., P.Eng.** Founder & Chief Executive Officer



Mr. Long has over 40 years of U.S. and international experience involving construction contract disputes analysis and resolution, arbitration/litigation support and expert testimony, project management, engineering/construction management, cost and schedule control,

and process engineering. As an internationally recognized expert in the analysis and resolution of complex construction disputes for over 30 years, Mr. Long has served as the lead expert on over 300 projects having claims ranging in size from US \$100,000 to over US \$2 billion. His project experience includes refineries, petrochemical and chemical plants, offshore oil & gas facilities, power plants, oil sands and oil shale facilities, and commercial and industrial buildings. He has testified in court as well as U.S. and international arbitration. Mr. Long has presented and published numerous articles on the subjects of claims analysis, entitlement issues, CPM schedule and damages analyses, cumulative impact claims, and claims prevention.

Before forming Long International, Mr. Long was Senior Vice President, Contract Administration for a major electrical and mechanical contractor. In this role, he had corporate-wide responsibility for technical management and oversight of the preparation and resolution of construction claims. In addition, he was responsible for the development, training, and implementation of project management policies and procedures to ensure that profit, cost, schedule, scope, quality, and safety objectives were achieved. Mr. Long also managed for thirteen years the construction claims practices of two large construction claims consulting firms. Prior to his consulting career, Mr. Long gained thirteen years of project management and process engineering experience on petroleum refining, petrochemical, oil shale, synfuels, mining, and power generation projects with Tosco, Fluor, and Conoco.

#### **EDUCATION**

M.S., Chemical and Petroleum Refining Engineering, Colorado School of Mines, 1974 B.S., Chemical Engineering, University of Pittsburgh, 1970

#### PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Colorado (No.25050) Licensed Professional Engineer, Newfoundland and Labrador (No. 09209) and Ontario (No. 100524699)

#### PROFESSIONAL AFFILIATIONS

AACE International American Institute of Chemical Engineers Project Management Institute Society of Construction Law

## Andrew Avalon, P.E., PSP



Mr. Avalon has over 30 years of engineering, construction management and claims consulting experience. He is an expert in the preparation and evaluation of construction claims, insurance claims, schedule delay analysis, arbitration/litigation support, and dispute resolution. He has

prepared more than thirty CPM schedule delay analyses and testified in deposition, mediation, and arbitration. In addition, Mr. Avalon has published numerous articles on the subjects of CPM schedule delay analysis and entitlement issues affecting construction claims and is a contributor to AACE® International's Recommended Practice No. 29R-03 for Forensic Schedule Analysis. Mr. Avalon is a registered Professional Engineer with U.S. and international experience in petrochemical, oil refining, oil sands, gas-to-liquids, LNG, commercial, educational, medical, correctional facility, transportation, dam, wharf, wastewater treatment, coal, and nuclear power projects.

Mr. Avalon provides CPM scheduling, claims management, and dispute resolution services to the construction industry. He specializes in preparing detailed schedule analyses and apportioning responsibility for delays, disruption, and acceleration impacts. He is skilled at contract analysis, claims preparation, claims defense, and the negotiation of settlements. Mr. Avalon has served as a Project Manager on numerous claims ranging in size from US\$100,000 to over US\$1 billion. Before joining Long International, Mr. Avalon held construction management positions including Senior Scheduler, Contract Administrator, Project Manager, and Senior Consultant. In these roles, he had responsibility for preparation of project schedules, analysis of change orders, and resolution of construction claims.

#### **EDUCATION**

B.S., Mechanical Engineering, Stanford University, 1984 B.A., English, Stanford University, 1984

#### PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Florida (No. 55137) Registered Professional Engineer, Colorado (No. 25802) Planning & Scheduling Professional (PSP-00193)

#### PROFESSIONAL AFFILIATIONS

AACE International Florida Engineering Society National Society of Professional Engineers Project Management Institute



www.long-intl.com



**Steven J. Bieniewicz** Senior Principal

Mr. Bieniewicz has over 40 years of experience in engineering, project management, project planning and scheduling, cost engineering, construction claims/ dispute resolution, project performance audits, and corporate management. He has over 25 years of construction claims and contract dispute resolution experience including issue entitlement evaluation; schedule delay, time extension, and acceleration analysis; damages analysis; attorney support; and expert witness testimony on a large number of complex construction projects.

Mr. Bieniewicz is recognized as an expert in the development of schedule delay and cost overrun analyses for construction projects, including offshore oil & gas, LNG, oil refinery, power plant, hospital, commercial building, highway, rail, airport, and wastewater treatment plant projects. He has worked on over 100 claims ranging in size from US \$50,000 to over US\$2 billion. Before joining Long International, Mr. Bieniewicz had been a Principal in four consulting companies that focused on construction claims and project management.

Prior to entering the consulting field, Mr. Bieniewicz had direct experience on a number of construction projects including nuclear and fossil power plants, hospitals, and commercial buildings. As a Senior Project Manager for a contractor, he had complete management responsibility for several projects including hospitals and commercial buildings. As a Planning and Scheduling Engineer, he developed and maintained project schedules on a wide variety of projects.

#### EDUCATION

B.S., Electrical Engineering, Northeastern University, 1974

M.B.A., Finance, Virginia Commonwealth University,

# PROFESSIONAL AFFILIATIONS

American Bar Association, Associate

American Council of Engineering Companies, Associate



**Harold E. Buddemeyer, Jr.**Senior Principal

Mr. Buddemeyer has over 46 years of experience in all aspects of program and construction project management and construction disputes. His experience includes construction and property damage/business interruption claims analysis, prepara-tion, defense, and negotiation of settlements on projects including refineries, offshoré oil & gas, petrochemical plants, heavy civil and mining projects, oil sands facilities, nuclear, coal and gasfired power plants, and building projects. Mr. Buddemeyer's project experience includes project cost/schedule control, systems and procedures development and implementation, program planning, as well as capital and operating cost estimating and economic analysis during the design, construction, and start-up phases of a diverse cross section of projects.

Mr. Buddemeyer has over 34 years of construction contract disputes consulting experience. In this regard, he has been responsible for entitlement and issue analysis; change order analysis; labor productivity analysis; cost and damages analysis; schedule delay and impact analysis; claim report preparation and rebuttal; negotiation and mediation assistance; the organization, development and maintenance of document databases; and assistance to counsel during discovery, and depositions and interrogatory preparation. Mr. Buddemeyer's claims and project management experience includes the successful completion of engagements for private sector owners, transit agencies, universities, sureties, financial institutions, law firms, architectural firms, and contractors. Mr. Buddemeyer has testified in U.S. and international arbitration.

#### **EDUCATION**

Professional degree program, majored in Applied Mathematics and Operations Research, minored in Chemical and Petroleum Refining Engineering, Colorado School of Mines (1965-1970)

# PROFESSIONAL AFFILIATIONS

AACE International



Curtis W. Foster Senior Principal

Mr. Foster has over 35 years of involvement in design, construc-tion, and dispute resolution on process/industrial, power, environmental, commercial, and transportation projects. He is skilled in the areas of contract management, cost management, estimating, scheduling, earned value performance measurement, and field engineering. He has had a significant role in the development of integrated project management procedures for various firms involved in the design and construction of facilities. His claim-related efforts include analyses of cost (estimated, bid, and actual), schedule (delay and acceleration), and disruption (labor inefficiency and productivity) for a wide range of projects in the U.S. and internationally, including refining, power, oil sands, and LNG projects.

Mr. Foster has significant experience in management, design, and field engineering on marine petroleum projects, including offshore platforms (for oil collection, separation, storage, and pumping), pipelines, and receiv-ing/export facilities. His experience with power projects includes gas-fired combined-cycle cogeneration facilities, waste-burning facilities, and other facilities burning various fuels. Mr. Foster also has hands-on project management experience on commercial projects, including hospitals and mid-rise condominiums. His duties on these projects included contract administration (including change order management, schedule review, and estimating), and field inspection.

Mr. Foster has broad experience in project management, project control (estimating, scheduling, and cost engineering), and engineering (field and project) in various industries.

#### **EDUCATION**

B.S., Civil Engineering Georgia Institute of Technology, 1979

## PROFESSIONAL AFFILIATIONS

AACE International

American Society of Civil Engineers



James E. Kelley, Jr., P.E. Senior Principal

Mr. Kelley has over 40 years of field construction and consulting experience. He has developed substantial consulting experise on heavy civil, highway, tunneling, and bridge construction projects in the determination and allocation of construction delay/impact damages, analyses of highly complex cause/effect relationships and the determination of root causes of problems, and the systematic interpretation of defectively intertwined contractual terms and conditions.

Mr. Kelley has assisted clients in over 375 engagements throughout the United States and in several foreign countries. His clients have included construction contractors and subcontractors, design professionals, private and public owners of construction, real estate developers, mining company owners/operators, manufacturers, insurance and surety companies, utilities, attorneys, and financial institutions. Mr. Kellev's services have included construction arbitration and litigation support, construction planning, program/project manage-ment advisory services, operations/organizational analyses and performance/productivity enhancement, and strategic planning.

Since 1976, Mr. Kelley has testified on over 40 occasions in a variety of forums, including federal and state courts, arbitrations, boards of contract appeals, public hearings, and alternative forms of dispute resolution. In addition, he has served as an arbitrator on several occasions, as a chairman of a dispute review board, and as an independent neutral.

#### **EDUCATION**

B.S., Civil Engineering, Purdue University, 1964

# PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Pennsylvania, 1969, (No. 014872E)

Registered Professional Engineer, Virginia, 1976, (No. 8722)

### PROFESSIONAL AFFILIATIONS

American Arbitration Association

American Society of Civil Engineers



**Robert J. Lane** Senior Principal

Mr. Lane has over 40 years of experience working in or consulting for the engineering and construction industry. More than half of this time has been involved in the resolution of construction-related claims and disputes. He has expertise in project-related estimating, cost control and scheduling, retrospective schedule analysis, productivity analyses, and quantum/damages analyses. Mr. Lane has also worked in the areas of contract administration, claims management, and overall project and construction management.

Mr. Lane has significant background in the application of the Primavera scheduling systems to proactively develop and update project schedules and/or to retrospectively analyze the impact of various events to a project schedule, including evaluations of entitlement to time extensions, acceleration costs, liquidated damages, and delay-related costs. He has utilized these and other scheduling tools on major construction projects in the U.S. (Lower 48 and Alaska) as well as internationally.

Mr. Lane's construction claims and property damage and business interruption experience includes refineries, petrochemical plants, offshore oil & gas facilities, pipe-lines, power plants, transportation projects, compressor and pumping stations, loading/off-loading and storage facilities, oil sands operations and synthetic crude oil processing facilities, and commercial and industrial buildings.

#### EDUCATION

M.B.A., Business Management and Administration, Pepperdine University, 1983

B.S., Construction Management/Engineering, Purdue University, 1973

A.S., Architectural Engineering, Purdue University, 1971

# PROFESSIONAL AFFILIATIONS

AACE International Project Management Institute



S. Andrew McIntosh Senior Principal

Mr. McIntosh has over 40 years of engineering, construction, onshore and offshore oil & gas operations and management consulting experience. He has extensive international greenfield and brownfield project development and execution experience in diverse areas such as refinery, petrochemical, offshore oil & gas, LNG, oil & gas pipelines, and ferrous metallics projects ranging from US\$20 million to US\$1.8 billion.

Before joining Long International, Mr. McIntosh served as President of The Natural Gas Company of Trinidad and Tobago. He also served as a Senior Operations Advisor, Vice President – Operations, and Vice President – Technical Services for several international energy companies.

As President of The National Gas Company of Trinidad and Tobago, Mr. McIntosh inspired leadership of the most profitable state corporation in Trinidad and Tobago, which had revenues of US\$ 3.0 billion, 850 employees, 4.4 Bcfd natural gas transmission capacity, and 1000 km of pipe-line infrastructure, including the Western Hemisphere's largest (56 inch dia.) natural gas pipeline. He initiated major transformational changes to organizational structure, completed a new Strategic Plan for the 2011-2015 period, conducted negotiations of all major upstream and downstream gas contracts and new Projects, and was a Member of the Board of Directors of the Petroleum Company of Trinidad and Tobago.

Mr. McIntosh has extensive experience in the development of Project Management and Project Execution Plans and Procedures, Stage-Gate processes for Project Development, and the analysis and resolution of engineering and construction claims involving disputed change orders, schedule delay, and loss of productivity claims.

#### **EDUCATION**

B.S. (Honors) Mechanical Engineering – University of West Indies, 1971

Certificate in Petroleum Engineering – Oil & Gas Consultants' Institute, 1993



Philip R. Moncrief, P.E., P.Eng. Senior Principal

Mr. Moncrief has over 40 years of U.S. and international consulting experience involving engineering and construction, contract disputes, project management, project development, engineeing/construction management, and process engi-neering. As an internationally recognized expert in the engineering and construction industry, he has managed large projects and had profit and loss responsibility for the engineering and construction operations of four major engineering-construction companies. He has published two books and has been a guest lecturer at the University of Colorado and Texas A&M University in their Construction Management Programs.

Mr. Moncrief has wide experience in refining, petrochemical, chemical, pipeline, terminals, LNG, and other projects including waste treat-ment facilities. His knowledge and experience includes process design, overall facility design, project management, procurement, and construction of numerous facilities throughout the world. His experience with these projects includes conceptual development, estimating of project cost, economic analysis, scheduling, contracts, marketing, analysis of engineering and construction claims, and all areas of facility management and operations. Before joining Long Interna-tional, Mr. Moncrief held engineering and management

positions with Technip, Bechtel, Davy McKee, and Fluor Corporation.
EDUCATION

M.B.A., Pepperdine University, 1979

M.Ch.E., Chemical Engineering, Rice University, 1968

B.A., Chemical Engineering, Rice University, 1967

#### **PROFESSIONAL** REGISTRATIONS

Registered Professional Engineer, Texas (No. 34489), California (No. 3121), Colorado (No. 39020), and Oklahoma (No. 23800) Licensed Professional Engineer, Newfoundland and Labrador (No. 09144) and Ontario (No.100520047)



W. Tom Thweatt, Jr. Senior Principal

Mr. Thweatt has over 40 years of engineering, construction, and management consulting experience in major U.S. and international refining, chemical, petrochemical, offshore oil & gas development, pipeline, infra-structure and thermal/hydroelectric power generation projects ranging from US\$40 million to US\$1.8 billion. He has worked extensively in projects that were executed by multi-national joint ventures on both the owner's and the contractor's sides. Mr. Thweatt has participated directly in claims negotiations and settlement agreements in excess of US\$100 million, evaluated claims involving disputed change orders, defective engineering and construction, project management performance, delay and disruption, and testified in international arbitration.

Before joining Long International, Mr. Thweatt served as Vice President and Director of Engineering for Techint, S.A., a major EPC contractor based in Buenos Aires, Argentina. Before relocating to South America, Mr. Thweatt served as Senior Vice President, Worldwide Operations, for the Parsons Energy and Chemicals Group Inc. He had profit and loss responsibility for engineering, procurement, construction, estimating and project controls for all proposals and projects. Mr. Thweatt has held senior management and engineering positions with Badger B.V., ABB Lummus Global, and M.W. Kellogg.

#### **EDUCATION**

B.S. Mechanical Engineering, University of Texas at Austin,

Duke University Executive Advanced Management Program Multiple short courses on technical and administrative management topics

#### **PROFESSIONAL** REGISTRATIONS

Registered Professional Engineer, Texas (No. 39307, inactive)

#### **PROFESSIONAL** AFFILIATIONS

American Society of Mechanical Engineers

National Society of Professional



Peter van der Schans Senior Principal

Mr. van der Schans has over 40 years of project management, engineering management, and engineering experience. His ex-tensive international experience includes the overall responsibility for engineering, project control, procurement, construction, and start-up of oil refining, oil & gas production, gas to liquids, etrochemical, chemical, industrial facilities, municipal and refinery hazardous waste processing, and environmental compliance and remediation projects.

His experience covers all project phases from feasibility studies, preparation of FEED packages, EP and EPC project execution, mechanical completion, commissioning, start up, and operational troubleshooting. Mr. van der Schans participated, on behalf of the Owner, in FEED and EPC contract preparation and negotiation with Contractors. He resolved numerous warranty claims to the satisfaction of both Owner and Contractor by establishing the technical root causes. He participated in many HAZ-ID and HAZOP reviews, functioned as HAZOP Chairman, and participated in project Risk Mitigation. He was a Process Consultant for FPSO conversions.

He has analyzed delays, cost overruns, and lost production claims for refinery units, offshore production platforms and FPSOs, and petrochemical plants. Mr. van der Schans has testified in international litigation.

Before joining Long International, Mr. van der Schans served in various technical and project management roles with Badger, Raytheon Engineers and Constructors, Selas of America Power Recovery Systems Inc., and Project Éngineering Services GmbH.

#### **EDUCATION**

B.S., Mechanical Engineering, Institute of Technology, s-Hertogenbosch, The Netherlands, 1963

#### PROFESSIONAL REGISTRATIONS

Institute of Professional Engineers, The Netherlands (Process Engineering)



Stephen P. Warhoe Ph.D., P.E., CCP, CFCC Senior Principal

Dr. Warhoe has over 30 years experience in the project controls field. He is a recognized expert in retrospective CPM schedule delay analysis and construction dispute avoidance and resolution. Dr. Warhoe also specializes in system dynamics and wrote his Ph.D. dissertation on the subject: "Applying Earned Value Manage-ment to Design-Bid-Build Projects to Assess Productivity Disruption-A System Dynamics Approach." During his career, Dr. Warhoe has planned and controlled multibillion-dollar budgets and schedules. The recognition for his expertise and respect in the project controls field culminated with his election as the president of AACE International during 2008–2009. He is also skilled in the negotiation, evaluation, and administration of contractor, consultant, vendor, and service contracts.

#### **EDUCATION**

Ph.D., Project/Program Management, Skema Business School, Lille, France, 2012

M.B.A., Colorado State University, Denver, 1993

B.S., Civil Engineering, University of Colorado, Denver, 1986

#### **PROFESSIONAL** REGISTRATIONS

Registered Professional Engineer, Colorado (No. 29909)

#### **CERTIFICATIONS**

Certified Construction Manager, Construction Management Association of America

Certified Cost Professional, AACE International, No. 01430

Certified Forensic Claims Consultant, AACE International, No. 12

#### PROFESSIONAL AFFILIATIONS

AACE International, Association President, 2008-2009

Construction Management Association of America (CMAA), Past Chapter President, Colorado Chapter

Project Management Institute System Dynamics Society



Rod C. Carter, CCP, PSP Principal

Mr. Carter has over 20 years of experience in construction project controls, contract disputes and resolution, mediation/arbi-tration support, and litigation support for expert testimony. He has experience in entitlement, schedule, and damages analyses on over thirty construction disputes ranging in value from US\$100,000 to US\$2 billion, related to oil & gas, heavy civil, nuclear, environmental, chemical, power, industrial, commercial, and residential construction projects.

Mr. Carter has experience in document discovery and the development of internet-based document repository databases. He is proficient in the use of Primavera Project Planner software, and has extensive experience in performing retrospective CPM delay, time extension, and acceleration analyses and assessing the schedule impact of RFIs, change orders, and other events to engineering and construction works. Mr. Carter specializes in loss of productivity, cumulative impact, and quantum calcula-tions, and has had a lead role in assessing damages on more than a dozen major disputes.

In addition, Mr. Carter has developed cost and schedule risk analysis models using Monte Carlo simulations to address the uncertainty of estimates and claims. He has testified in two arbitrations as an expert in construction scheduling and damages, and has presented expert findings to an international arbitral tribunal.

#### **EDUCATION**

B.S., Civil Engineering, Univeristy of Colorado at Boulder, 1996, with honors, emphasis in Structural Engineering and Construction Management

#### **PROFESSIONAL** REGISTRATIONS

Certified Cost Professional (No. 29897)

Planning & Scheduling Professional (No. 19895)

#### PROFESSIONAL **AFFILIATIONS**

AACE International American Society of Civil Engineers



Michael Harris Principal

Mr. Harris has over 30 years of construction project and claims management experience. His comprehensive consulting and management background includes risk evaluation, managing, and resolving complex claims and contract disputes on major construction projects throughout the U.S. and globally for a wide range of industries including the power, water, petrochemical, industrial, commercial, healthcare, and general building sectors.

Mr. Harris has extensive expertise in key construction disciplines including project design, project management, construction management, contract management, risk and claims analysis, on-site risk management, claims resolution, claims avoidance management, cost management, and expert witness reporting and testimony. As well as his extensive project execution background, he also has considerable experience in various types of dispute resolution forums such as arbitration, litigation, and mediation proceedings in North America, Europe, the Middle East, and the Far East. Mr. Harris has also been appointed as a mediator and arbitrator on various international projects.

#### **EDUCATION**

Diploma, Arbitration, University of Reading, UK

RIBA Chartered Architect, University of Plymouth, UK

BA Architecture & Diploma Architecture, University of Plymouth

#### **PROFESSIONAL** REGISTRATIONS

Chartered Architect, RIBA, UK Chartered Institute of Arbitrators

#### **PROFESSIONAL AFFILIATIONS**

Chartered Institute of Arbitrators, UK

Dispute Board Federation, Geneva, Switzerland - Board Member

Royal Institute of British Architects, UK

Project Management Institute GCC Arbitration Center -Expert Witness List

British Institute of Management, UK

Bahrain Society of Engineers



Douglas A. Kage, P.E. Principal

Mr. Kage has over 30 years of experience in the areas of construction claims, project control, project management, construction management, and engineering design services. He has experience in cost evaluation, entitlement analysis, calculation of damages, schedule delay analysis, and brings extensive industry experience to the topics of industry practice and standard of care.

Mr. Kage has served as project manager for design projects and studies in the power generation and telecommunications industries. In addition, while serving in various senior project management capacities, Mr. Kage has had experience on several billion dollars of EPC project work, both domestic and international. During more than 14 years as a project control professional, Mr. Kage has managed the project control departments for two different businesses, supervising 40 project control professionals. He also developed an estimating department. He has managed the purchasing, warehousing, and distribution of millions of dollars of materials for construction projects and has managed a construction management field office. He has also had pivotal involvement in process improvement initiatives, re-engineering efforts, and quality improvement programs.

#### **EDUCATION**

M.S., Engineering Management (33 of 39 hours completed), University of Kansas

M.B.A., University of Kansas, 1987

B.S., Civil Engineering, University of Colorado, 1979

### PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Colorado (No. 23815)

### PROFESSIONAL AFFILIATIONS

AACE International



Truman D. King, P.E.
Principal

Mr. King has over 40 years of experience in engineering, procurement, and construction operations in the mining, oil & gas, refining, and real estate development industries. He has successfully completed assignments in the U.S., Middle East, and Europe.

Mr. King was a Senior Project Manager for Worley Parsons, where he managed the Front End Engineering Design and acquisition of Process Design Technology for a US\$500 million expansion of an oil refinery in the UAE to produce clean diesel fuel. He has also managed oil & gas, refining, power distribution, marine, and other engineering projects, and provided analysis and resolution of contractor's claims.

Mr. King has extensive knowledge of the owner's and contractor's project management responsibilities on EPC turnkey projects. He has successfully analyzed claims involving mismanagement, defective engineering, delay, disruption, and disputed change orders on a wide variety of U.S. and international projects, including refineries, petrochemical plants, gas-fired, nuclear, and geothermal power plants, offshore oil & gas facilities, and heat recovery steam generators. He has provided project management consulting services for improvement of project management systems and controls for a 2,200 BPSD natural gas to ultra-low sulphur diesel project.

#### **EDUCATION**

B.S., Mining Engineering, Colorado School of Mines, 1971 Graduate studies at the Colorado School of Mines, 1973-74

M.S. program, including Slurry Pipeline Transportation, Rapid Excavation and Tunneling, and Management of Mining Operations.

# PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Colorado (No. 13871)

## PROFESSIONAL AFFILIATIONS

Project Management Institute



Ronald J. Rider, MBA Principal

Mr. Rider has over 25 years of project management and dispute resolution experience involving over 85 projects in the U.S. and internationally. Mr. Rider's experience includes developing and monitoring CPM schedules; preparing recovery schedules; preparing delay, time extension, and acceleration claims; project cost control; project estimating; analysis of project billings and payments; change order pricing and resolution; contract administration; project close-out, and dispute resolution.

Mr. Rider is highly skilled in cost and labor hour variance modeling, impact identification and analysis, retrospective CPM schedule delay preparation and evaluation, concurrent delay assessments, project acceleration analysis, productivity loss analysis, and damages verification and quantification. He is proficient in the use of Primavera scheduling software (P3 and P6), Microsoft Project, Safran Project, Claim Digger, and Summation Blaze software packages. He has performed retrospective CPM schedule delay analyses (As-Planned Impacted, As-Built But-For, Windows, and Time-Impact methodologies), delay quantification, and responsibility assessment.

Mr. Rider's experience includes petrochemical plants, oil refineries, offshore oil & gas facilities, power plants, commercial buildings, highway and transit projects, hospitals, and airport projects ranging in size from US\$50,000 to US\$2 billion.

#### **EDUCATION**

M.B.A., University of Colorado, 1995

B.S., Construction Management, Colorado State University, 1987

### PROFESSIONAL AFFILIATIONS

American Institute of Constructors

Associated Builders and Contractors

Associated General Contractors Colorado Contractors Association

Honorary Construction Society



Douglas A. Bassett, P.Eng, PMP, FCIP

Senior Executive Consultant

Mr. Bassett has over 35 years of Canadian and international consulting experience involving construction project management, leadership, governance, and review. During his career, Mr. Bassett has been involved in all types of oil and gas energy projects with a pri-mary focus on oil sands and refinery facilities, offshore fixed and floating drilling and production facilities, and conventional on-shore production facilities. Mr. Bassett's accomplishments include serving as project leader on Canada's first offshore development production platform, project leader in a successful alliance to develop a major oil sands mine, and governance leader of project approval reviews for oil sands and offshore mega projects. He is an Instructor of Project Management at the School of Business, SAIT Polytechnic.

Mr. Bassett has testified as an expert witness in Canadian arbitration and as a fact witness in court. During his time as a loss adjuster serving international energy underwriters, he supported counsel on numerous litigations.

#### **EDUCATION**

Diploma, Marketing and International Business, Saint Mary's University, 1993

B. Eng., Civil Engineering, Carleton University, Ottawa, Ontario, 1979

### PROFESSIONAL AFFILIATIONS

Association of Professional Engineers and Geoscientists of Alberta

Society of Petroleum Engineers Project Management Institute

#### **CERTIFICATIONS**

Professional Engineer, Alberta Project Management Professional

Applied Project Management Certificate of Completion, SAIT Polytechnic, 2013

Certificate, Professional Management, PEGG, University of Calgary, 2009

Fellow Chartered Insurance Professional (FCIP) Claims, Insurance Institute of Canada, 2006

Certificate, Investigations, Mount Royal College, 2004



**James M. Bolin** Senior Executive Consultant

Mr. Bolin has nearly 35 years of experience in all aspects of project and construction management, pre-construction planning, and project cost/schedule controls. His qualifications include claims and change order analysis and resolution, preparation of fixedcost proposals and budget baseline planning, site management and coordination, prime and subcontract development and administration, materials expediting and procurement, and critical path method (CPM) delay analysis, schedule development, progressing and reporting. This diverse expertise has been obtained through involvement on numerous project types, including: oil production facilities, pipelines, pump stations, water and wastewater treatment plants, mineral processing facilities, water storage, hydroelectric plants, hospital/medical, transit, airports, communications, and environmental remediation. The value of these projects has ranged from US\$50,000 to US\$360 million.

Through his proven experience in working for management consulting, engineering and construction companies, Mr. Bolin provides clients with superior analytical and problem solving skills that are effective in mitigating or resolving construction performance and contract related issues.

#### **EDUCATION**

B.S., Civil Engineering Technology, University of Southern Colorado, 1981

Professional degree program, Mining Engineering major, Colorado School of Mines, 1974–1979

# PROFESSIONAL AFFILIATIONS

AACE International

#### **CERTIFICATIONS**

Class A Building Contractor's License, City of Littleton, Colorado, (No. A00111)

Class A-1 Building Contractor's License (No. 17332)

Licensed General Contractor: Pikes Peak Regional Building Department, El Paso County, Colorado

OSHA 40-Hour Hazardous Waste Training

OSHA Site Supervisor's Training



George E. (Ted) Brown Senior Executive Consultant

Mr. Brown has over 50 years of U.S. and international experience working with multiple owner companies, contractors, and major tierone engineering, procurement and construction firms. He has managed projects costing more than US\$5 billion. More recently, Mr. Brown spent 11 years as a senior consultant and advisor to two major oil companies. As a senior consultant and advisor, Mr. Brown provided broad, in-depth insight for major, mega, and giga project development and execution. Mr. Brown provides expertise regarding project and risk management when developing worldwide multibillion-dollar projects.

Mr. Brown began his career as a field engineer and advanced to executive management overseeing complete fiscal and operational responsibility after he gained experience building and managing capital-intensive international projects. His experience spans oil sands mining, synthetic crude oil processing facilities, gas plants, pipelines, LNG terminal development, and on-shore and off-shore platforms. Mr. Brown has also advised and directed greenfield construction and brownfield improvements. At times, these projects occurred in remote, challenging environments. In these environments, Mr. Brown was tasked with project site selection, establishment of local infrastructure, including module installation, and labor development.

#### **EDUCATION**

Civil Engineering studies, University of Arizona, (four years) 1959-1965

### PROFESSIONAL AFFILIATIONS

Associated Builders and Contractors (ABC) Construction Industry Institute (CII) Construction Owners Association of Alberta (COAA)



David E. Drips Senior Executive Consultant

Mr. Drips has over 40 years of experience in the mining and contracting industry as a miner, supervisor, engineer, project manager, general manager, president, and owner. Mr. Drips' mine engineering, construction, and operating experience includes open pit, room and pillar (gassy and non-gassy), longhole stoping, cut and fill, shrinkage, undercut and fill, overhand open stoping, cut and fill resuing, and all phases of mine development which includes shafts, raises, track drifts, laterals, sloped developments and drop raises. His plant operating experience includes raw material management at cement plants, typical aggregate separation, hydrometallurgical plants with refineries, hydrometallurgical plants with Solvent Extraction/ Electrowinning (SX/EW), differential flotation processing plants (one, two, and three products), and the operation of roasters for processing refractory ores. He has extensive experience in managing the turn-around of under-performing projects and distressed assets by utilizing in-house personnel for planning, design, and construction. He has successfully dealt with labor unions in the United States, Mexico, Honduras, and Venezuela. His engineering experience includes underground and surface mine design, process plant design, process circuit development, facility power design and tailing impoundment design.

#### **EDUCATION**

B.S., Mining Engineering, Colorado School of Mines, 1980 Languages: English and Spanish

#### **PROFESSIONAL** REGISTRATIONS

Society for Mining Metallurgy & Exploration

The Mining and Metallurgical Society of America, Qualified Professional – Mining

General Mine Director certification from GGTN (Russian Federal Mining Organization)

Have held General Engineering licenses in California, New Mexico, Arizona, Nevada and Utah



Scott M. Francis, P.E., PSP Senior Executive Consultant

Mr. Francis has over 18 years of experience in various areas of project management, contract disputes and resolution, CPM schedule development and execution, contract administration, design engineering, construction management, and government contracting. He is proficient in the use of Primavera Project Planner (P3), as well as Primavera Project Management (P6). Mr. Francis provides schedule development and assurance ervices, cost estimating, and claims analysis services on projects for both owners and contractors. Specific responsibilities include CPM development and reviews, CPM schedule delay and acceleration analyses, document database development, change order impact analysis, issue identification, correlation of impacts to schedule activities, productivity evaluations, claims preparation, damages quantification and arbitration/litigation support.

Mr. Francis' project experience includes the successful completion of projects for the U.S. Navy, general contractors, EPC contractors, owners, and design engineering firms. He has evaluated claims on various projects including claim values over \$3 billion.

#### **EDUCATION**

B.S., Civil Engineering, Colorado State University, 1997

#### PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Colorado (No. 39084)

Registered Professional Engineer, Washington (No. 40814)

Planning & Scheduling Professional (No. 01762)

#### **PROFESSIONAL AFFILIATIONS**

AACE International



Peter F. Franco, P.E. Senior Executive Consultant

Mr. Franco has over 40 years of experience on large international projects ranging in size from US \$100,000 to over US \$1 billion. He is a heavy civil engineering and construction professional recognized for his expertise in project management and corporate strategy. He performs standard of care analyses, constructability reviews, contract issue resolution, claims management, dispute resolution, corporate strategy development, and business process improvement services.

Mr. Franco has provided claims management on behalf of a government agency contractor, in which he developed and presented multiple (\$10M+) claims for compensation and compensable time extensions. His efforts positioned the client for favorable monetary settlements by presenting articulate and compelling arguments that forced the owner to negotiate, rather than continue its practice of summarily rejecting claims.

#### **EDUCATION**

M.S., Civil Engineering, Columbia University School of Engineering and Applied Science, New York, New York, 1977

B.S., Civil Engineering, Columbia University School of Engineering and Applied Science, New York, New York, 1976

#### **PROFESSIONAL** REGISTRATIONS

Registered Professional Engineer, New York (No. 058678)

Registered Professional Engineer, New Jersey (No. 28513)

#### **PROFESSIONAL AFFILIATIONS**

AACE International American Society of Civil Engineers

American Concrete Institute Deep Foundations Institute



Roger D. Javid

Senior Executive Consultant

Mr. Javid has over 30 years of experience on large international projects ranging in size from US\$100,000 to over US\$1 billion. Mr. Javid is an expert in project management, commercial management, development of project budgets, analysis and negotiation of EPC variation orders and amendments, management of project purchasing and contracting cycle, field supervision, project close-out, insurance claims, commercial awareness training, construction claims preparation, and settlement negotiations. He also has extensive experience with FIDIC contracts, Federal Acquisition Regulations, and USAID Acquisition Regulations. His project experience includes NGL/GOSP and LNG facilities, offshore platforms and pipelines, petroleum refineries, petrochemical facilities, telecommunication fiber loops, wastewater treatment plants, power generation facilities, and theme parks and resorts.

Mr. Javid is skilled at contract analysis, claims preparation, claims defense, and the negotiation of settlements. He has prepared both assertive and defensive claims for Owners, Contractors and Subcontractors including evaluation of project schedules, contract documents, and project records to determine the cause and effect of construction delays and cost overruns, attributing responsibility for cost and schedule impacts to the various contracting parties. Mr. Javid has prepared delay and quantum claims and successfully negotiated equitable adjustments with Owners, Contractors, and Subcontrac-tors. Included in this process, he has directed internal claims teams and supported legal counsel.

Mr. Javid provides training to Owner and construction execution project teams in claim avoidance, including highlighting contract clauses which present risks or opportunities, obligations of the parties, notice requirements, change requirements, and claim requirements.

#### **EDUCATION**

M.B.A., University of Southern California, 1978

B.A., Law and Society, University of California, Santa Barbara, 1976



Steven W. Laskey, P.E.

Senior Executive Consultant

Mr. Laskey has over 38 years of experience in the U.S. and Australia. He has served as lead technical expert on more than 10 arbitration/litigation matters related to the duty of the engineer and design professional, construction contractor standard of care, construction claims, and equipment failures in oil & gas. His project experience includes refineries, oil & gas facilities, natural gas processing and conditioning plants, chemical plants, coal seam gas gathering and facilities, and commercial and residential buildings. He has testified in federal and state district courts.

Before joining Long Interna-tional, Mr. Laskey was a Process Engineer, Field Construction Engineer, Project Engineer, and Project Manager for both a large domestic architectural and engineering firm and a major international engineering and construction company. As a Project Manager, he was responsible for all aspects of facility estimating, preparation and control of budgets and schedules, engineering, design, procurement, and construction. He has managed projects in the Unites States and Australia, where he resided in Brisbane, Queensland. Early in his career, he was an Operations Engineer and Measurement Engineer for the upstream subsidiary of a major U.S. oil company. Mr. Laskéy relies on his experience in operations and the management of Engineering, Procurement, and Construction projects to perform financial analysis, delay analysis, causation and damages analysis, write expert reports, and testify for parties in litigation.

#### **EDUCATION**

B.S., Chemical Engineering, Texas A&M University, 1977

#### **PROFESSIONAL** REGISTRATIONS

Registered Professional Engineer, Texas (No. 53346)

#### **PROFESSIONAL AFFILIATIONS**

Gas Processors Association, Rocky Mountain Chapter



Joy E. Pechet, PMP

Senior Executive Consultant

Ms. Pechet has nearly 30 years of experience in cost and schedule analysis, project controls, and claims preparation and negotiation for large domestic and international construction projects. Her expertise includes schedule delay analysis, loss of productivity studies, budget and cost variance analysis, and cash flow studies. She has prepared damage and lost profits analyses for breach of contract, business interruption, and wrongful termination disputes. In addition, Ms. Pechet has successfully evaluated and negotiated extension of time, loss of productivity, and acceleration claims for petrochemical, oil refining, coal and gas-fired power plants, commercial, educational, medical and correctional facilities, and large infrastructure projects through-out the world ranging in size from US\$100,000 to over US\$1 billion.

Ms. Pechet is an expert in delay claims, forensic planning, contract management, dispute resolution and avoidance, project controls, disruption and productivity analysis, Primavera software, and FIDIC contracts. She has prepared both assertive and defensive claims for owners, contractors and subcontractors, applying various delay claim techniques including Time Impact Analysis, Windows Analysis, Impacted-As-Planned, and Collapsed-As-Built to quantify delay. She has produced loss of productivity analyses to quantify the schedule impact.

#### **EDUCATION**

B.S., Civil Engineering, Massachusetts Institute of Technology, 1977

#### PROFESSIONAL REGISTRATIONS

Project Management Professional

Member of Chartered Institute of Arbitrators



**Sean P. Pellegrino, P.E.** Senior Executive Consultant

Mr. Pellegrino has over 35 years years of experience in all aspects of engineering, project management, project planning and execution, and project management consulting for onshore and offshore oil and gas projects. He has supported, managed, and consulted on some of the oil and gas industry's largest, most complex projects. His responsibilities and experiences include conceptual business case assessment, planning, contract development and award, execution, administration, commissioning and startup and close out of projects. His oil, gas, LPG and LNG project experiences include onshore/ offshore, upstream/downstream, and domestic/international projects with increasing size and complexity. Project scopes ranged from multi-milliondollar domestic projects to the multi-billion-dollar international projects. He has worked extensively on international joint venture major capital projects from the owner's side. Mr. Pellegrino has extensive shipyard, fabrication yard, and construction site experience on projects. This experience includes managing and consulting with owner's project teams and engineering and construction contractors' project teams. His work experience includes both international onshore and offshore locations covering construction sites, shipyards, and fabrication yards all over the world.

#### **EDUCATION**

M.S., Engineering Management, University of Houston, 1999

B.S., Mining Engineering, University of Pittsburgh, 1981

# PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Texas (No. 81606)

Project Management Professional (No. 4589) (inactive)

Certified Mediator in Negotiation/Conflict Resolution (1999)

### PROFESSIONAL AFFILIATIONS

Construction Industry Institute (CII)

Construction Users Roundtable (CURT)



Michael J. Vallez, P.E., MBA, Lean Six Sigma Senior Executive Consultant

Mr. Vallez has over 40 years of hands on and leadership experience in project management, engineering/construction management, cost and schedule control, change management, claims, dispute resolution, and mine and process engineering. He has served in executive management roles in industry, including both the owner and contractor sides with companies and contractors working on world class projects for oil and gas companies, power companies, international mining companies, and other institutions. He has a proven ability to organize and integrate the work of multidisciplined technical specialists and project construction teams to achieve corporate financial goals and objectives of ROI, safety, operational performance, cost, and time. In all, he has provided leadership on several billion dollars' worth of projects in the Mining, Power, Oil and Gas, Industrial, Heavy Civil and Commercial sectors.

Mr. Vallez specializes in the analysis of project execution plans, cost and schedule overruns, safety incidents, project team performance issues, technical and economic project feasibility. He is skilled in the analysis of Engineering, Procurement, and Construction Management (EPCM) contracts, engineering deficiencies, defective work, and the effect of such problems on project cost and schedule performance. Mr. Vallez provides expert witness testimony on the root causes of delays and cost overruns, cumulative impacts, forensic accounting, best practices for meeting schedule, budget and operating results.

Mr. Vallez has written several books on the subjects of construction management, safety, and effective project leadership.

#### **EDUCATION**

M.B.A., University of Utah, 1988

B.S., Engineering, Michigan Technological University, 1975

# PROFESSIONAL REGISTRATIONS

Registered Professional Engineer, Utah (No. 160927-2202)



Jamal F. AlBahar, Ph.D., PMP, AVS

Managing Director

Dr. AlBahar is the Managing Director of Long International's Dubai Operations in the United Arab Emirates, with services to Saudi Arabia, Kuwait, and Qatar. He provides construction claims. project and construction management, and cost and schedule control services on projects in the Middle East. Dr. AlBahar is a registered arbitrator in the Emirate of Dubai, United Arab Emirates, and the State of Kuwait. He was a full-time professor at Kuwait University, where he taught project management, contracts and specifications, construction management, construction methods, surveying, legal, social, and ethical aspects of engineering. Dr. AlBahar has taught seminars and presented papers on construction claims, project management, cost estimating and cost control, project planning, scheduling and control, contract administration, risk management, and value engineering.

#### **EDUCATION**

Ph.D., Civil Engineering, University of California, Berkeley, 1988

M.E., Civil Engineering, University of California, Berkeley, 1986

M.S., Civil Engineering, University of Michigan, Ann Arbor, 1984

B.S., Civil Engineering, Kuwait University, State of Kuwait, 1981

# PROFESSIONAL REGISTRATIONS

Registered Project Management Professional, (No. 223516)

Registered Project Management Consultant

Registered Associate Value Specialist

## PROFESSIONAL AFFILIATIONS

AACE International

American Arbitration Association

Construction Management Association of America

Construction Specifications Institute

Project Management Institute

Registered Arbitrator: Kuwait, Bahrain, & United Arab Emirates Society of American Value

Engineers



Charles P. Fournier, J.D., CCA Managing Director

Mr. Fournier has over 15 years of experience with U.S. and international engineering and construc-tion management and dispute resolution consulting, including construction contract disputes analysis, claims preparation, arbitration/litigation support, expert testimony, schedule control, commercial negotiation, risk assurance, and construction audit. He is a bilingual French-English con-struction advisory professional with extensive experience leading teams that solve client problems involving dispute resolution, claims negotiation, and performance audits. Mr. Fournier focuses his practice on owners, engineering firms, and contractors in the petroleum refining, petrochemical, oil and gas, power/ cogeneration, mineral processing, industrial, building, and infrastructure market sectors worldwide.

As a recognized expert in the prevention, analysis, mitigation and resolution of complex construction disputes, Mr. Fournier has provided expert testimony, submitted expert reports, and pre-pared forensic scheduling analysis in resolution of claims arising from 40 construction projects, ranging from a \$175 million pow-er plant upgrade at JFK International Airport in New York to a \$7 billion sour gas field develop-ment project in China. His project experience includes refineries, petrochemical plants, offshore oil & gas facilities, mine processing and export facilities, power and cogeneration plants, weapon systems, transportation, and industrial buildings. He has testified in international arbitration.

#### **EDUCATION**

J.D., The George Washington University Law School, 2007

M.S., Engineering, Material Science, Ecoles Speciale Militaire de Saint-Cyr, France, 1994

B.S., Mathematics and Physics, Classes Préparatoires aux Grandes Ecoles d'Ingénieur, Saint-Cyr L'Ecole, France, 1991

# PROFESSIONAL REGISTRATIONS

Certified Construction Auditor— National Association of Construction Auditors, License No. A13036

Planning & Scheduling Professional—AACE International, License No. 689-10 (2011-2014)



**Dr. Dan Patterson, PMP**CEO and Founder
BASIS PM

Dr. Patterson is a Project Schedule and Cost Risk Analysis Partner affiliated with Long International. He is the CEO and founder of BASIS, a project management company specializing in schedule and risk analytics. Prior to BASIS, he led the highly successful organization Acumen, a project analytics company, and is the inventor of Acumen Fuse, Risk and 360, a project analytics software suite that is used from project planning quality improvement, performance insight, and forensics analysis.

Dr. Patterson conducts risk workshops for billion dollar projects and has subsequently served as an expert witness on many. During the execution of these engagements he leads qualitative and quantitative risk analysis, prepares and presents executive summaries, and leads in-person executive briefings to company executives. Dr. Patterson acts as the primary lead on various company and project internal risk optimization procedures. He specializes in risk workshops, project audits, and strategic project analysis on various capital expenditure projects.

With over 20 years of professional experience, Dr. Patterson is recognized as a global thought leader and visionary within the project management industry. Specifically, he is known for his risk and schedule analytics expertise and is frequently utilized on high profile capital expenditure projects for workshop facilitation, expert witness testimony, advanced analytics, and board-level briefings.

#### **EDUCATION**

Ph.D., Construction Management, Nottingham University, 1997

B.Eng., Civil Engineering, Nottingham University

#### CERTIFICATIONS

Project Management Professional

# PROFESSIONAL AFFILIATIONS

Project Management Institute

Association for the Advancement of Cost Engineering International

Active PMI Austin Local Chapter & Risk SIG



**David T. Hulett, Ph.D., FAACE** Cost & Schedule Risk Analysis Partner Hulett & Associcates, LLC

Dr. Hulett is a Cost & Schedule Risk Analysis Partner affiliated with Long International. He is a Principal with Hulett & Asso-ciates, LLC (H&A), and has focused for the last 25 years on quantitative schedule risk analysis, integrated cost-schedule risk analysis, and project scheduling best practices. H&A clients are in oil and gas, aerospace, construction, pharmaceuticals, and transportation. They are located in the US, Canada, South America, South-East Asia, Europe, and the Middle East. H&A has pioneered the Risk Drivers approach to schedule risk and integrated cost and schedule risk analysis including specifying the requirements for Monte Carlo software to serve the needs of high-end risk analysis customers.

Dr. Hulett has experience in applying Risk Drivers to large multi-year projects leading to proactive risk mitigation planning for better project results. From these analyses, the client learns: the probability of achieving the cost and schedule with the existing project plan, the amount of time and cost contingency required to achieve a desired level of certainty, which priority risks drove the analysis results, and which risk mitigation actions address the risks.

Dr. Hulett has held strategic planning positions at TOSCO, an oil company, and at TRW in aerospace and defense. In the Federal government, Dr. Hulett managed offices in the Federal Energy Agency (FEA), the Department of Energy (DOE), and the Office of Management and Budget (OMB). He was also an economist with the Federal Reserve Board of Governors. Dr. Hulett was an Instructor in the Economics Department at Harvard University.

#### **EDUCATION**

Ph.D., Economics, Stanford University, 1966

B.A., Special Program for Public and International Affairs (Woodrow Wilson School), Princeton University, 1961

### PROFESSIONAL AFFILIATIONS

Fellow of AACE International

International Cost Estimating and Analysis Association

Project Management Institute



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