



LAWRENCE W. LOUIE, P.E.



Mr. Louie is a Principal with Long International and has over 35 years of engineering, construction, and project management consulting experience. He has extensive knowledge of major LNG, offshore oil & gas development, pipeline, infrastructure, and oil sands projects valued up to US\$54 billion. Mr. Louie has employed his expertise on major capital projects in the U.S. as well as international locations such as Angola, Australia, Brazil, Canada, Congo, Indonesia, Kazakhstan, Nigeria, Norway, Papua New Guinea, Philippines, South Korea, U.K. and Venezuela. He has had broad involvement with projects that were executed by multi-national joint ventures on the owner's side. Mr. Louie has been the team leader for cost and schedule risk assessments for mega-and giga-projects totaling over US\$200 billion. Before joining Long International, Mr. Louie served as a Senior Cost Engineering Consultant for Chevron U.S.A., Inc. Through his

proven work experience, Mr. Louie provides clients with superior analytical and problem-solving skills that are effective in mitigating or resolving performance and contract related issues.

EDUCATION

Master's Certificate of Project Management, ESI/George Washington University, 2004

Master's Certificate of Global Business Management, ESI/George Washington University, 1996

B.S., Mechanical Engineering, California Polytechnic State University, San Luis Obispo, 1981

PROFESSIONAL REGISTRATIONS

Registered Professional Mechanical Engineer, California (No. M23788)

PROFESSIONAL AFFILIATIONS

American Society of Mechanical Engineers – Life Member

TECHNICAL EXPERIENCE

Representative U.S. and international technical experience includes:

- Development of engineering and project management plans and procedures.
- Formulation of technical procedures and specifications.
- Preparation and analysis of change orders.
- Analysis of cost and schedule risks.
- Assessments of cost and schedule risks.
- Negotiations of significant change orders concerning engineering errors, scope growth, delay, and disruption.
- Preparation of contracts, and negotiations, signings, and post-award contract management.
- Organizer, facilitator, and speaker/instructor for cost engineering seminars.
- Organizer, facilitator, and speaker/instructor for value engineering and value improvement practice seminars and workshops.