



WAYLON T. WHITEHEAD



Mr. Whitehead is a Cost & Schedule Risk Analysis Partner affiliated with Long International. He has conducted numerous schedule assessments and risk analyses, focusing on quantifying the risks and their implications for project cost and schedule. Mr. Whitehead has focused for more than 20 years on project execution, quantitative schedule risk analysis, integrated cost-schedule risk analysis, and project scheduling best practices. He also co-pioneered the Risk Driver Method for driving simulations and the iterative simulation approach to prioritize projects for risk mitigation using Monte Carlo simulation of project cost and schedule. He has participated firsthand as a project team member and performed quantitative risk analysis on the Brass LNG, Darwin LNG, QatarGas LNG, Australia Pacific LNG, and Mozambique LNG projects. Additionally, Mr. Whitehead has performed risk analysis for the potential Australian Browse and Sunrise LNG developments.

He has pioneered the extension of quantitative modeling techniques into legal, arbitration, and mediation processes where he uses the techniques to provide clients with probabilistic distributions for claim outcomes and an understanding of the factors that influence results.

EDUCATION

Certificate, Global Energy Leadership, Rice University, May 2021

B.S., Economics, University of Houston, 1994

B.S., Political Science, University of Houston, 1994

PROFESSIONAL AFFILIATIONS

AACE International

Project Management Institute

TECHNICAL EXPERIENCE

Representative quantitative cost and schedule risk analysis experience includes:

- Understanding project objectives and parameters, participants, and environment within which it is conducted.
- Evaluating the project schedule against industry-accepted best scheduling practices to ensure accuracy in Monte Carlo simulation.
- Supervising the application of summary-level resources costed without padding for risk to schedule activities.
- Interviewing project participants and other knowledgeable SMEs to derive candid and unbiased risk information including the identity of risks not already included in the Risk Register, the probability that the risk will affect the project cost and schedule, the impact if it occurs on activities' durations and costs (e.g., burn rate per day), and the activities that will be impacted (usually project phases such as construction, piping, and commissioning).
- Using data discovered during interviews to modify the cost or schedule portions of the model.
- Employing modern Monte Carlo simulation software (Pertmaster, Polaris, Safran, Deltek Acumen Fuse), to derive consistent integrated cost and schedule results that can demonstrate the possibility of finishing on time and on budget following the current plan and how much contingency of cost and time are needed to achieve a given level of certainty.