



DR. DAN PATTERSON, PMP



Dr. Dan Patterson is a Schedule and Cost Risk Analysis Partner affiliated with Long International. He is the CEO and founder of Acumen, a project analytics company specializing in risk and schedule analytics, and is the inventor of Acumen Fuse, a project analytics software tool that is used for project planning quality improvement, performance insight, and forensics analysis. Dr. Patterson leads risk workshops for billion dollar projects and serves as an expert witness on many of these after the workshop has been completed. Additionally, he leads qualitative and quantitative risk analysis, writes and presents executive summaries, and conducts in-person executive briefings of findings 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 eighteen 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 lead workshop facilitation, expert witness testimony, advanced analytics, and board-level briefings.

Dan has a highly impressive track record with extensive commercial and technical project management experience in over \$200 billion worth of projects over the past five years.

As the founder and CEO of Acumen, a project analytics company, Dr. Patterson is also the inventor of Acumen Fuse, a widely used project metrics analysis software tool. Today, he is responsible for all aspects of Acumen growth including leading Acumen's professional services team, Fuse product strategy, and business development.

Prior to Acumen, as Pertmaster's Executive Vice President (and North America founder), Dr. Patterson led Pertmaster Americas, where he created a leading risk analysis presence by developing a highly successful sales, marketing and consulting team, which contributed to the successful acquisition of Pertmaster by Primavera (now Oracle) in 2006.

Dr. Patterson's project experience spans multiple industries with focus on energy, utilities, EPC, construction, transportation, and federal government compliance projects.

EDUCATION

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

B.Eng., Civil Engineering, Nottingham University

PROFESSIONAL REGISTRATIONS

Registered Project Management Professional (PMP)

PROFESSIONAL AFFILIATIONS AND ASSOCIATIONS

- Project Management Institute
- Association for the Advancement of Cost Engineering
- Active PMI Austin Local Chapter & Risk SIG



KEY SKILL AREAS

- Project Risk Analytics
- Schedule Analytics
- Project Forensics
- Risk Workshops
- Schedule Audits
- Expert Witness
- Project Management & Risk Training

SIGNIFICANT ACCOMPLISHMENTS

- Lead schedule/risk subject matter expert & workshop facilitator for numerous fortune 500 companies including; Marathon Oil, Anadarko, SNC Lavalin, NASA, ConocoPhillips, Petrobras, Chevron, KBR, Jacobs, Bechtel, SAIC, Dow, Enbridge, GAO, Noble Energy, Repsol, Carillion, Balfour Beatty, and BG.
- Thought leader behind integrating qualitative and quantitative risk analysis techniques. Successfully productized this approach and today, this Oracle Primavera software tool is globally renowned for integrated cost/schedule risk analysis.
- Developed and commercialized a framework for project risk optimization that is widely used across multiple industries (S1 > S5™ optimization).
- Visionary and inventor of Deltek's WelcomHome, WelcomRisk, and WelcomPortfolio as well as Acumen Fuse.
- Key advisor to DCMA on the UNCEFACT project data schema. Today, this schema is now the de-facto standard for US contractors.
- Invited speaker at various Project Management events including; PMI Global Congress, PMI CPM, PMI IPM, AACE International, and numerous local PMI chapter meetings.
- Developed a unique approach for managing linear construction/transportation projects leading to the award of a Ph.D. Doctorate in Construction Management in 1997.

PROFESSIONAL EXPERIENCE

Long International, Inc.

Austin, Texas (March 2011 to Present)

Dr. Patterson, the CEO and founder of Acumen, a project analytics company specializing in risk and schedule analytics, is a Project Schedule Risk Analysis Partner affiliated with Long International. He is also the inventor of Acumen Fuse, a project analytics software tool that is used for project planning quality improvement, performance insight, and forensics analysis. Partnering with Long International, Dr. Patterson leads risk workshops for billion dollar projects, serves as an expert witness on many of these projects after the workshop has been completed, and leads projects qualitative and quantitative risk analysis, writes and presents executive summaries, and conducts in-person executive briefings of findings to company executives. Dr. Patterson also 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.



Acumen

Austin, Texas (2008 to 2011)

Dr. Patterson is the CEO and founder of Acumen, a project analytics company specializing in risk and schedule analytics. He leads all aspects of Acumen's business including professional services, product strategy, and project management training. He is the inventor of Acumen Fuse, a project analytics software tool that is used for project planning quality improvement, performance insight, and forensics analysis.

Primavera

Houston, Texas (2007 to 2008)

As Director, EVMS Evangelist, Dr. Patterson led the evangelical campaign directing over 30 risk and earned value management seminars in 2007 promoting integrated cost/schedule risk analysis techniques. He is recognized internationally as a risk management and earned value (EVMS) expert and as the result of this, is frequently invited as a speaker and as a consultant on high profile projects. Dr. Patterson developed Primavera's EVMS commercial go-to-market strategy for providing 'earned value express' to energy/EPC companies who were in the early stage of EVMS maturity. He worked closely with the DCMA on the development of the UNCEFACT standard, providing a standard for integrated cost/schedule/EV for US defense contractors.

Pertmaster Americas LLC

Houston, Texas (2004 to 2007)

As Executive Vice President, Pertmaster Americas, Dr. Patterson was responsible for the successful startup and rapid development of Pertmaster Americas LLC. He developed a project analytics and risk management team of ten, specializing in enterprise risk solutions within the oil/gas, EPC, and public sector market space. He is recognized publicly as a risk management expert. Focusing on risk workshops, as well as strategic and tactical project analysis, Dr. Patterson developed a unique integrated quantitative/qualitative approach to project risk management. He also integrated these new methodologies into the Pertmaster solution; this methodology has since made Pertmaster the number one enterprise project risk management solution within Europe and North America.

Welcom

Houston, Texas (2003 to 2004)

As the Global Product Marketing Manager, Dr. Patterson led the development of WelcomHome, WelcomRisk, and WelcomPortfolio, as well as led the implementation strategy for unifying Welcom's Project Management applications into an integrated web-based Project Portfolio Management (PPM) suite. Welcom was the first to market an integrated PPM solution.

Dr. Patterson was also responsible for developing product strategy and defining future product direction while continuing to provide a roadmap for existing user-base. He identified and developed the product migration plans for existing user-base to the new Project Suite, together with providing enhanced integration with other Project Management tools.



PUBLICATIONS AND SPEAKING ENGAGEMENTS

- Lead schedule/risk subject matter expert & workshop facilitator for numerous Fortune 500 companies including; Marathon Oil, Anadarko, SNC Lavalin, NASA, ConocoPhillips, Petrobras, Chevron, KBR, Jacobs, Bechtel, SAIC, Dow, Enbridge, GAO, Noble Energy, Repsol, Carillion, Balfour Beatty, and BG.
- Invited speaker at various Project Management Institute (PMI) events including: PMI Global Congress, PMI CPM, PMI IPM, AACE International, and numerous local PMI chapter meetings.