

PM Publishing News

Quantum Project Management

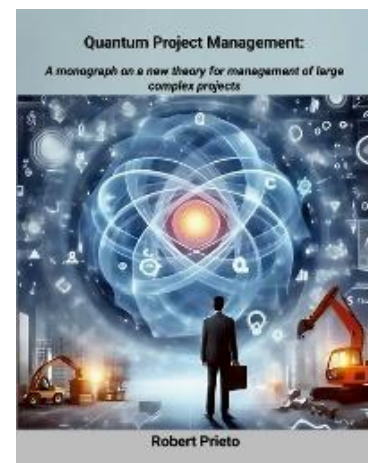
New book by mega program expert Bob Prieto introduces new theory of project management

10 January 2025 – Florida, USA – ***Quantum Project Management: A monograph on a new theory for management of large complex projects*** has been published in the United States. The book is authored and published by Robert “Bob” Prieto, well-known construction industry executive and mega program expert. Bob has been advising clients worldwide on large complex multi-billion-dollar programs and projects for many years.

According to Bob, “My tenth book, ‘**Quantum Project Management: A monograph on a new theory for management of large complex projects**’ is an innovative theory for managing large, complex projects rooted in the principles of quantum and relativistic theories. It advocates for a paradigm shift from traditional project management methodologies to more adaptive and resilient practices.”

Key principles of Quantum Project Management (QPM) include:

- **Embrace Complexity and Uncertainty:** QPM recognizes that large complex projects (LCPs) are inherently uncertain and dynamic. It emphasizes the need to embrace uncertainty and emergent behaviors rather than attempting to eliminate them. This allows project managers to adapt to changing circumstances and unexpected developments.
- **Probabilistic Outcomes:** QPM promotes a probabilistic approach to project management, where outcomes are viewed as a range of possibilities rather than certainties. This encourages flexibility and responsiveness.
- **Dynamic Open Systems:** QPM conceptualizes LCPs as dynamic open systems influenced by their environments. Project management must consider the interactions between the project and its surrounding ecosystems, stakeholders, and external forces.
- **Rejection of Traditional Decomposition:** QPM critiques traditional project management practices that rely on decomposition and linear planning. Instead, it argues that LCPs are complex, entangled systems that require holistic understanding and management strategies.
- **Strategic Business Outcomes (SBO):** Aligning project activities with strategic business outcomes is central to QPM. This ensures that projects contribute meaningfully to organizational goals and adapt to evolving business landscapes.



This monograph delves into an innovative theory for managing large, complex projects rooted in the principles of quantum and relativistic theories, advocating for a paradigm shift

from traditional project management methodologies to more adaptive and resilient practices.

The book (**ISBN 978-1-304-08165-0**) is printed in the United States of America and is available in paperback on LULU.com at: <https://www.lulu.com/shop/robert-prieto/quantum-project-management/paperback/product-kvmnvg9.html?page=1&pageSize=4>

About the author: **Bob Prieto** is Chairman & CEO of Strategic Program Management LLC focused on strengthening engineering and construction organizations and improving capital efficiency in large capital construction programs. Previously Bob was a senior vice president of Fluor focused on the development, delivery and turnaround of large, complex projects worldwide across the firm's business lines, and Chairman of Parsons Brinckerhoff.

Bob consults with owners of large, complex capital asset programs in the development of programmatic delivery strategies encompassing planning, engineering, procurement, construction, financing, and enterprise asset management. Bob's industry involvement includes National Academy of Construction and Fellow of the Construction Management Association of America (CMAA). He serves on the New York University Abu Dhabi Engineering International Advisory Council, NYU Tandon Civil and Urban Engineering Advisory Board and previously served as a trustee of Polytechnic University and the Millennium Challenge Corporation Advisory Board.

Bob served until 2006 as one of three U.S. presidential appointees to the Asia Pacific Economic Cooperation (APEC) Business Advisory Council (ABAC). He chaired the World Economic Forum's Engineering & Construction Governors and co-chaired the infrastructure task force in New York after 9/11. He is author of 10 books, 950 papers and National Academy of Construction Executive Insights, and an inventor on 4 issued patents.

Editor's note: Bob Prieto has been a frequent contributing author for the PM World Journal for many years. He is also an Honorary Global Advisor for the PM World Journal and Library. Learn more about his background and writing at <https://peworldlibrary.net/authors/bob-prieto/>