

Evaluating Projects Delay Sources through '4 Ps' Framework Analysis

Richard Hannis Ansah¹, Shahryar Sorooshian¹, and Shariman Bin Mustafa¹

¹Universiti Malaysia Pahang

Lebuhraya Tun Razak, 26300 Kuantan Pahang, Malaysia.

richanisah13@gmail.com

Abstract

A commonality within the construction industry is the inability to complete projects on time and within budget. The alarming rate of delays in projects calls for debate and a critical assessment into the real sources of delays in the industry. This is because delays create huge cost for project parties and even cause serious problems to the health of the economy. Successful construction projects are the result of multiple effective and quality decisions made by contrasting team members. Project teams and their decision making processes, operations, administrative processes, experiences, skills and employed tools must be assessed to improve the likelihood of projects succeeding. Industry studies have demonstrated that meeting client's requirements, budget and schedule are firmly impacted by the quality, efficiency and effectiveness of the project team. This study investigates and clusters sources of delays in the internal environment of construction projects through '4 Ps' Framework Analysis namely; Project Management; Project Scope; Project Participants; and Procurement. The Review analyses showed that the major internal sources of delays are associated with the '4 Ps'. It is expected that the framework for this study will be used for project performance assessment studies and contributes to the knowledge and practice on delay control.

Keywords

Construction, Delay Sources, Project, Performance, '4 Ps' Framework Analysis (Project Management, Project Scope, Project Participants and Procurement).

Biography

Richard Hannis Ansah is a Research Assistant at the Faculty of Industrial Management, University of Malaysia Pahang. He holds Postgraduate Diploma in Human Resources Management from ICM, Postgraduate Certificate in Human Resources Management from Management Development and Productivity Institute (MDPI), Ghana, Bachelor of Arts in Political Science and Linguistics at University of Ghana, and currently pursuing Master of Science in Industrial Management at University of Malaysia Pahang. He has published and reviewed a number of journal and conference papers. Hannis has completed research projects with Ghana Statistical Services and University of Ghana. His research interests include; construction, TQM, procurement, supply chain and logistics, operations research, manufacturing, lean, project management, occupational health and safety, human resources management, etc. He has worked as a procurement specialist with a major construction company (SASCO GROUP) in Qatar, research supervisor at Ghana Statistical Services, research and teaching assistant at University of Ghana, among others.

Shahryar Sorooshian is a Senior Lecturer at the Faculty of Industrial Management, University of Malaysia Pahang. He had his PhD in Industrial Engineering from Malaysia. He has published a wealth of books, journal and conference papers with honors and awards. Dr. Sorooshian has completed research projects with University of Malaysia Pahang and Taylors University. His research interests include; industrial management, managerial decision makings, business/management performance, operational management, SMEs, simulation, optimization, reliability, scheduling, construction, TQM, supply chain and logistics, E-commerce, balance scorecard, counseling and psychotherapy, manufacturing, lean, among others. He is member of board of some prestigious journals and conferences including; Research Journal of Business Management, Asian Journal of Industrial Engineering, Singapore Journal of Scientific Research, Journal of Applied Sciences, International Journal of Operations and Logistics Management, Iranian Journal of Management Studies, Scientific Journal of Management Science and Engineering, Asia Pacific Journal of Management & Entrepreneurship Research, International Journal of Research

in Business and Technology, The East Asian Journal of Business Management, The Journal of Industrial Distribution and Business, and others.

Shariman Bin Mustafa is currently a senior lecturer at the Faculty of Industrial Management, University of Malaysia Pahang. Mr. Sharman holds a PhD from Malaysia. He has published a number of books, journal and conference papers with honors and awards. He has completed research projects with some institutes including University of Malaysia Pahang. His research interests include; industrial management, Solar Cell System Design, Mechanical engineering, manufacturing engineering, simulation, optimization, construction, TQM, construction, operations research, Ship Navigation System, FMEA, among others. He is a member board of a number of journals and conferences. He served as Deputy Dean of the Faculty of Industrial Management, University of Malaysia Pahang.