

Application of Quality Management Systems (QMS) in Construction Industry

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Abstract

The objectives of any project is always to achieve Minimum Operating Cost (within budget), Zero-Risk (maximum safety), Higher Productivity (on-time delivery) and Higher Quality of Product / Service (higher customer's satisfaction). Achieving such objectives requires the development of an effective and efficient Quality Management System (QMS). This paper will outline the basic requirements for developing such a powerful system and how construction engineers benefit from utilizing such a QMS. The paper will also provide a systematic approach of how to develop an affective and actually working QMS. Safety, Quality, Cost, Delivery and Morale (SQCDM) are the important aspects of successful construction project which fulfills the main goal of construction industry. The role of QMS for a construction company is not an isolated activity, but integrated with all the operational and managerial functions of the construction project. The quality management system (QMS) in construction industry refers to quality planning, quality assurance and quality control and cost and risk management.

Keywords

QMS, Quality Management Systems, Quality Procedures and Quality Standards, ISO 9001:2008 / 2015