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# Enhancing the Effectiveness and Efficiency by Adopting Building Information Modelling in the Service Delivery of the Quantity Surveying Practice of Sri Lanka

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## Abstract

Building Information Modelling (BIM), in the global construction context of the new millennium, has grown into a new advanced paradigm where it is increasingly, universally recognized as a new buzzword. BIM has a great potential to incorporate with the construction project's life cycle. Thereby, it is more probable to be a standard practice. Incorporating of BIM applications, the practice of quantity surveying in the new millennium is undergoing a paradigm change from traditional manual techniques to completely automated digitalization in the purpose of providing the service in an efficient and effective manner. However, in Sri Lanka, traditional manual processes are still used in Quantity Surveying (QS) practice, which is problematic. The execution of BIM applications for the QS practice is a fear among Quantity Surveyors because the professionals' existence is creating a threatened and challenging nature when employing BIM in the QS practice. Lack of government influence, unavailability of computer facilities with higher capacities and cost of software and hardware are distinguished as the main obstructions and are discussed here. The present knowledge about BIM applications relevant to the QS practice of Sri Lanka is explicitly explaining, BIM applications adoption that can have an influence on the QS's functions. Thereby, to overcome the deficiencies faced by QSs due to the usage of traditional manual methods, this study focuses on the strategies to integrate BIM by discovering the present status of using BIM within the QS operation.

**Keywords**: *BIM, QS*