

عنوان مقاله:

A Roadmap for Implementing BIM and Management Frameworks in Construction Projects

محل انتشار:

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نویسنده:

MOHAMMADREZA SHAYESTEHKHOU - Islamic Azad University, North Tehran Branch

خلاصه مقاله:

Increasingly, BIM is advantageous due to its potential to improve project coordination, communication, and collaboration. Despite their numerous benefits, many construction projects fail to adopt BIM and management frameworks. However, its implementation requires the integration of multiple management frameworks. This paper proposes a roadmap that includes identifying key BIM components, selecting appropriate management frameworks, establishing project-specific BIM requirements, and developing a comprehensive implementation plan. Furthermore, the paper provides practical recommendations for project teams to overcome challenges associated with BIM implementation. v. Prior studies have identified the key stages of implementing BIM and management frameworks but have not discussed the critical factors project managers should consider. Leadership and management support are essential to ensuring the successful adoption of BIM and management frameworks, establishing clear implementation strategies and plans, ensuring the availability of skilled personnel, providing training, creating standard protocols and guidelines for BIM data management and exchange, addressing legal and contractual issues related to BIM implementation, and maintaining data security.

کلمات کلیدی:

.Building Information Modeling (BIM), management frameworks, standard protocols, data security, roadmap

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