

Implementing Internet of Things through Building Information Modelling in Order to Assist with the Maintenance Stage of Commercial Buildings

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Abstract : It was found through literature that there is a lack of implementation of the Internet of Things (IoT) incorporated into Building Information Modelling (BIM) in South Africa. The research aims to find if the implementation of IoT into BIM will make BIM more useful during the maintenance stage of buildings and assist facility managers when doing their job. The research will look at the existing problematic areas with building information modelling, specifically BIM 7D. This paper will look at the capabilities of IoT and what issues IoT will be able to resolve in BIM software, as well as how IoT into BIM will assist facility managers and if such an implementation will make a facility manager's job more efficient.

Keywords : internet of things, building information modeling, facilities management, structural health monitoring

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