PLANNING, MONITORING AND CONTROL OF MECHANICS PROJECTS BY BIM IN COLLABORATIVE ENVIRONMENTS

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1. Abstract

This research is about the integration of Building Information Modeling (BIM) technology during procurement, planning, monitoring and control of the project [1].

2. Introduction

The integration of this technology in all phases of the project is approached from a collaborative environment for teamwork, analyzing and proposing workflows to ensure project success [2].

3. Methodology

It has been made an analysis of the information transfer from each phase to other phases of the project through the BIM model, in order to determine the necessary information must be in each of these stages of the project [3].

4. Conclusions

In conclusion, it is shown that the integration of BIM in the different phases of a project is entirely feasible and, moreover, this integration results in greater control over the model, preventing inefficiencies occur in work. Thus, the proper integration of BIM helps save time and cost in the work, and increasing the building quality, because the building is scheduled and constructed virtually before making on-site [4]. Finally, it should be noted BIM model no longer be a database where different construction professionals 'pour' their knowledge. This means the different project data are centralized in the model [5], so designer and builder can extract information from the model or elements of any discipline: technical data, 3D geometry, 4D scheduling, 5D estimating, maintenance…

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6. References

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