



Acercamiento a la Tecnología BIM. Softwares ArchiCAD-Tekla aplicado a proyectos de ingeniería en CCrea [

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Analítica

This work is the result of the research and development of the Building Information Modeling (BIM) technology that represents a real revolution, which in a very short time has managed to supplant the old methods of work, imitating the real construction process with a perspective that covers beyond the 3-dimensional. The reality of construction for the predictable future shows the clear need for its use, evidencing greater control in the management, planning and savings of time and money, while increasing the rates of collaboration and exchange of information, fundamental issues in the success of a project. Based on the 3D experience of the CCrea Design and Construction Business Group, a workflow is proposed using BIM tools, ArchiCAD and Tekla Structures. The demonstration of this methodology on a real project of the company, shows how beneficial is the use of BIM by reducing the time of creation of the project, eliminates design errors and generates significant savings of resources. This research also includes the management (4D) and cost control (5D) of the work, aspects of which the company lacks and which makes it as more productive and avant-garde center, as integral in the offering of its services

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