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Information Modelling for System Building Suppliers

Computer Integrated Construction (CIC) and Concurrent Engineering for Architecture, Engineering and Construction (AEC) require data standards or common Information Models through which computer systems can exchange project information. Information Modelling has received a lot of attention in the last decade and is now growing into a successful means to support design and production process, also in the area of building and construction. Collaboration through data exchange and model integration are coming within the reach of for all participants in the building process. This study identifies various types of Information Models and their purposes. Moreover, It describes Information Models developed with an intention of identifying the functions of a system by exploiting the techniques of System Analysis. These models would help to integrate activities, identify the interaction between various entities, better project planning etc. They can also be used for system development projects, software development projects, system migration projects etc. Further, an activity or a process model developed using the flowcharting technique to reveal the sequence of activities of that system is also presented. Though this study was confined only to system building suppliers, it can be applicable widely across the construction industry with necessary modifications.

Keywords: *Information, Information Modelling, System Analysis*