

整合MS Project於營建工地材料管理系統之研究

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摘要

During the process of a constructing project, the demand for construction material always depends upon the schedule planning. The neglect of resources factor often leads to problems of capital dispatching and late material supply. In a construction site, one can use material management system to improve the original management model and allow material type, quantity, and inventory can be obtained correctly. Site engineers can correctly monitor material information of the construction site and improved the efficiency of construction.

Based on the original structure of “Integrated Construction Site Material Management System”, this study tries to incorporate Revit Architecture 2009, and schedule management functions of MS Project to transfer data, such as the start time, finish time, and used resources into the

“Integrated Construction Site Material Management System” to compile the scheduling control of ordering construction materials to assist the contractor to perform construction project material management.

Through the integration between MS Project and “Integrated Construction Site Material Management System”, this research can effectively control material ordering timing to reduce materials to be stored, prevent the construction schedule delay when materials ordered are not ready, improve material management quality and increase competitive edge and create profit for construction companies.

關鍵字：Site Material Management, MS Project, Revit Architecture2009