

校園建築物智慧化改善之探討  
徐宗煜, 吳福祥, 許玉明, 蕭炎泉  
營建管理學系  
建築與規劃學院  
ycshiau@chu.edu.tw

摘要

Accompany with the rapid development and spread of Information and Communication Technology, the daily life has been working closely with the ICT. The intelligent building is to response for future needs and is fully integrated building, electronics, machinery, automatic control, and communication.

The building planning and design is different based on scale, types and purposes. The intelligent building is one of important facility for current architectural design. There are about 3 percent of new buildings. The 97 percent of existing buildings are the important target to promote for intelligent. This study will discuss on the improvement the functionality and energy-saving management for existing buildings. These topics include intelligent lighting, air environmental quality and energy-saving management system. These improvements can encourage positive developments in the domestic construction material, promote economic development, and enhance the environmental quality of the existing buildings.

關鍵字：Intelligent Building, Existing Building