

Establishment of Fire Control Management System in Building Information
Modeling Environment

蕭炎泉, 張聰騰

Construction Management

Architecture

ycshiau@chu.edu.tw

Abstract

Fire control is an significant topic for building construction. It directly affects the safety of residents. The fire control has been integrated with ICT to accurately monitor related fire information. This study constructed the sensor and monitor locations in Building Information Modeling (BIM) based on 3D model. When the sensor is activated, the system can instantly show floor and the room plan of fire point in the 3D model and connect to monitors which are assigned to watch the suspected fire area to determine the authenticity of fire alarm. Through the video display, correctness of fire alarms can be carefully judged to prevent panics and disturbances brought about by false alarms.

Keyword : Fire Control Management System, Building Information Modeling, Fire Control Equipments