커튼월 시공 자동화 시스템 컨트롤러의 인간공학적 설계를 위한 평가
(Evaluation for Ergonomic Design of Manual Controller of Automation System for Curtain wall Installation)

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ABSTRACT

A construction robot(i.e. automation system) has been developed for higher productivity and better safety in many different areas of construction. A curtain wall is suitable at outer wall of commercial building and apartment complexes. For this reason, Automation System for Curtain wall Installation(ASCI) was developed. This system has a manual controller for interaction between human and machine. Although study has been conducted on manual controller of ASCI, hardly any information is known about the operator's opinion. In this study a questionnaire was completed by operator to get their opinion about aspects which need to design a more comfortable and productive manual controller.

Keywords : Human factors, Manual controller, Automation System for Curtain wall Installation(ASCI)