



**UNIVERSITY OF
CAMBRIDGE**

Department of Engineering

CONSTRUCTION ENGINEERING MASTERS DISSERTATION ABSTRACT

Onsite design; can the UK improve communication between design and construction teams?

The motivation for this research arises from evidence that there is a need to improve communication between design and construction teams, working on projects based within the UK construction industry. Communication between design and construction proves to be inefficient. Research suggests that certain elements of design work can be carried out onsite, ensuring design concepts are maintained and communication improved.

The research investigates two case studies conducted within a major UK construction company, using a computer-based decision support tool developed by CII (Construction Industry Institute), USA. Implementation of the tool will establish if similar results to those realised within the USA can be achieved in the UK. The investigation aims to assist project teams in identifying specific design activities, which if performed on site, have the potential to improve communication between design and construction teams. Once concluded the research attempts to provide a solution to improve the UK construction industry's design and construction communication weaknesses.

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