Shen / Brandon / Baldwin

Collaborative Construction Information Management

Most construction projects are large and costly. Collaborative working involves two or more stakeholders sharing their efforts and resources to complete the project more effectively and efficiently. Collaborative, integrative and multi-disciplinary teams can tackle the complex issues involved in creating a viable built environment. This tends to be looked at from three interrelated perspectives: the technological, organizational, and social; and of these the key issue is to improve productivity and enable innovation through the empowerment and motivation of people. This book provides insights for researchers and practitioners in the building and construction industry as well as graduate students, written by an international group of leading scholars and professionals into the potential use, development and limitations of current collaborative technologies and practices. Material is grouped into the themes of advanced technologies for collaborative working, virtual prototyping in design and construction, building information modelling, managing the collaborative processes, and human issues in collaborative working.

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