



Automated Checking of Regulations and Requirements Managment in Healthcare Design

Benefits design teams, professionals in charge design assessment, software developers, policy makers

"The challenges facing construction and the built environment will require greater collaboration between all parts of the industry and academia, particularly in the area of sustainability and improved whole life value. Community Health Partnerships are currently supporting HEI's in a number of areas which it is hoped will result in improved value in healthcare design and delivery."

Julian Humphreys, Community Health Partnerships

BIM can support the automation of design assessment with regards to regulation compliance, and its use for modelling information contributes to the visualisation and organisation of requirements data. The

development of the artefact Interviews and document Mapping / classifying healthcare Proposition of ecommendations



LONG-TERM VISION

A support system which automatically checks

BIM PROCESS

NEXT STEPS

- Need to update healthcare regulations to enable automation of quantifiable

KEY FINDINGS

• The proposed taxonomy describes how regulations should be written to enable, in the future, an easier automation of quantifiable





- **Dicy makers** should avoid artificial subjective elements in regulatory texts, ensuring objective and titifiable sentences are included in the revision of regulations. There is a need to consider if any subjectivity all dexist within the regulatory framework, as it can cause design errors and rework, and challenge attempts attornate the process.

IMPACT AND VALUE













Collaborate with us

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