



Industrial Standard Software

Keepmoat are a national provider of residential regeneration and development projects within the UK. Keepmoat approached Sapere as they required a bespoke mobile and web based system to enable delivery of a contract they had been awarded with EDF Energy.

Sapere were appointed to provide consultation, design and software development services.

Keepmoat required software to allow them to survey social housing properties and deliver any

development works necessary to improve its energy efficiency. In addition Keepmoat needed a web application to manage delivery of the project to track and collate properties, surveys and any resulting work required.

The system needed to allow surveyors to gather surveying information electronically using an iPad and then for the iPad to pass this data to a web based application. Once this information was received by the web system, algorithms were used to calculate the value of any qualifying works and produce reports and exportable/ updatable documents for EDF Energy staff and management.

Technical Challenges & Successes

- The mobile software had to store data and photographs on an iPad to enable the surveyors to survey the properties, thereby replacing the existing pen and paper approach. The software had to function even without an Internet connection as due to a surveyor's location a wireless signal would possibly not be available.
- The management software had to work on the web as it was to be rolled out from one central location but then used nationwide.
- There were strict timescales on the development and delivery of the software as the contract to deliver the housing information was within 10 weeks of contracts being exchanged.

Solution Architecture

- Consultation was provided to analyse and understand the project and challenges and then propose the correct solution and approach.
- A specification document was created to detail the exact structure of the software and architecture.
- A web based application was built to allow the software to be provided as a cloud based software service. This enabled users to run the software via a web browser removing the need for lengthy and restrictive installation processes.
- An iPad application was built to allow surveyors to survey properties and send the captured data and photographs back to the web application in real time.

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