
Supplementary information

A framework of BIM-IoT application in construction projects through multiple case study approach

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Interview questions:

1. Describe how your organization currently uses BIM-IoT technologies in construction projects and what is the specific process of using BIM-IoT.
2. What are the main benefits or advantages that BIM and IoT bring to the construction projects?
3. What do you think are the factors that make BIM-IoT successfully being used in the project?
4. Are there any specific challenges or limitations you have encountered while implementing BIM-IoT in this project? If so, how have you solved them?
5. Can you provide examples of specific IoT devices or sensors used in the projects and explain how they are integrated with the BIM system?
6. How do BIM and IoT technologies contribute to improving the project's overall efficiency, productivity, or cost-effectiveness?
7. Have you observed any improvements in collaboration or communication among project stakeholders due to the use of BIM and IoT? If yes, can you elaborate on those improvements?
8. What are the key drivers behind the implementation of BIM and IoT in construction projects? Are there any specific government initiatives or policies promoting their adoption?
9. How do you see the future development of BIM-IoT in the construction industry in China? What potential opportunities or advancements do you anticipate?
10. What are the current limitations or barriers to widespread adoption of BIM-IoT technologies in the construction industry? How can these barriers be overcome?