Utilization of BIM to Hotel FM System

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Introduction

Benefits of BIM utilization in facility management

The case of A Hotel Group
Agenda

- Introduction of A Hotel Group
- Issues of A Hotel Group
- Effect of utilizing BIM in FM
- Future use of BIM
Introduction of A Hotel Group

- A hotel group is a large-scale city hotel chain.
  - 20 buildings nationwide
  - 100 to 150 guest rooms per building
Issues of A Hotel Group

- Scattered data for facility management
- Difficulty in creation and maintenance of asset management ledger
- Not systematic repair plan
- Difficulty in acquiring data indispensable for business analysis
- Rising facility operation cost
Effects of utilizing BIM for FM operations

- Excellent data management
- Improve efficiency of data creation / update work
- Save cost and time for data management work
Effect of utilizing BIM for FM operations 2

- Unified information
- Improve efficiency of asset valuation
- Formulate systematic repair and update plan
Effect of utilizing BIM for FM operations

- Simulation
  - Set effective benchmark
  - Enable superior management decisions
  - Devise optimal facilities for energy saving
Future use of BIM in FM

- In the occasion of building new hotel, detailed planning is possible by utilizing BIM visualization and simulation technology
- Sharing as-built image of the building
- Saving future operation and maintenance expenses
- Formulating optimal repair plan
- Controlling energy management