Information Systems for Government Buildings in Japan

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Ministry of Land, Infrastructure, Transport and Tourism
1. Maintenance Information System
2. Building Cost Information System
3. BIM
Government Buildings in Japan

The Prime Minister’s Office

Government Offices District in Tokyo

14,000 buildings

Area : 49 million m²

G7 Summit 2016
International Media Center (temporary bldg.)
1. Maintenance Information System

MLIT is giving technical support to facility managers of gov’t buildings.

- MLIT
- Database
- Internet
- Facility Managers (All Ministries)
- Data input
- Data analysis
- DB maintenance
- Total data analysis
1. Maintenance Information System

Recording data.

- Maintenance cost
- Energy and water consumption
- Results of the legal inspection
- Results of repair

etc.
1. Maintenance Information System

Analyzing efforts on maintenance of each building.
1. Maintenance Information System

Strategic maintenance planning.

BIMMS-N 中長期保全計画
建築 電気設備 機械設備 累計
2. Building Cost Information System

MLIT and local gov’ts are sharing building cost information.

We can compare cost of planning buildings with cost of the similar buildings.
An example of projects using BIM

MLIT established BIM Guidelines in 2014.
We don’t demand use of BIM in our projects. We use BIM only if architects or constructors propose that.

3. BIM

Projects using BIM

- MLIT: apx. 13%
- Local Governments: apx. 5%

Purposes
- Interference checking
- Creating shop drawings
- Presentation etc.

MLIT survey in 2015 for the 3 projects with the highest construction cost of each organization
Thank you for listening!