THE ULTIMATE BIM SUMMIT

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Templates for sharing construction product information

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Babel

- circa 2200 B.C., failed due to communication breakdown.
- 2000 A.D., construction industry still facing information exchange issues.
- Other industries are better performing in data integration with the same IT technologies.
- Principal reason – lack of agreement on how to describe things.
Templates - sharing construction information

- Template dictionary definition:
  - Something that serves as a model for others to copy
  - A preset format for a document or file.

- Existing efforts towards templates for construction information exchange:
  - COBie, IFC, CIBSE Product Data Templates, BuildingSmart Data Dictionary…
  - Everyone has an opinion on each of these approaches. Each sought to address a need, each has benefits, none is perfect.
  - Highest Common Factor – attributes grouped into some logical form and presented in an electronic format or file.
• An ActivePlan development to provide common models for clients’ supply chain.
• ActivePlan and BRE won a competition to provide CPA/BIM4M2 with the Templater services.
• Integrates with and complements existing industry initiatives with export/import to/from various formats.
• Supports national/international/custom classification systems.
• BRE Templater - deployed as part of BRE Digital EcoSystem.
• Formation of consortium to create templates for FM requirements.
• Distributed Templater networks can work together to avoid duplication of efforts.
Benefits

• Templater provides an integrated collaborative platform

• Support standards and technologies for industry participants to access and/or agree common definitions of construction assets

• Foundation for shared data/web services for automation and integrated processes incl. enabling BIM Level 3.

• Maximises information assets utilisation through the project/product lifecycle
Templater in **Practice**

- AIM – Asset Information Management Application [http://aim.activeplan.com](http://aim.activeplan.com)
- SJP – Asset Maintenance Procedure and Job Planner.
- BRE Digital Ecosystem
## Common Attributes

<table>
<thead>
<tr>
<th>State</th>
<th>Attribute</th>
<th>Short Description</th>
<th>Enum Type</th>
<th>Data Type</th>
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Property Sets

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<th>#Attributes</th>
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# Templates

The image displays a webpage interface titled "Templates". The interface includes a table listing various templates with columns for Technical Authority, Template Type, Template Category, Status, IFC Object Type, Properties, Attributes, and Last Modified. The table data shows different entries such as "Draft AP-Pr-Actuator-GB-ACT09" with IFC Object Type "IfcActuatorType" and properties and attributes details. The interface also includes navigation links and search functionality.
Example Template
Classification Tables
Attributes filtered by Actor and Lifecycle Stage
File Export Options and API Access
Templates: Product Manufacturers
Asset Information Modelling
Asset Information Requirement
Live Demo?

Questions

Thank you.
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