

## Spotlight on Modulus Consulting

### Solution Toolkit:

Autodesk® Revit®, IdeateApps, Ideate BIMLink, and Ideate Explorer for Revit

## Saving Time and Increasing Accuracy with Ideate Software Applications

Since 2010, [Modulus Consulting](#) has been serving building designers, contractors, and owners throughout the San Francisco Bay Area and across the country. They help project teams leverage the power of building information modeling (BIM), providing services from BIM implementation mentoring to AEC design modeling, pre-construction coordination, and construction fabrication modeling. With diverse backgrounds and extensive experience, Modulus understands the practical challenges presented by BIM to companies and project teams

“We initially started with Ideate BIMLink, which makes it far easier to view and edit project data, but more importantly, enables us to perform quality control workflows that wouldn’t otherwise be possible. It’s an essential tool we rely on regularly,” said Peter Michealsen, Managing Principal, Modulus Consulting.

Modulus has since expanded its use of Ideate Software applications to include Ideate Explorer and IdeateApps. Here are some ways it uses them:

**Ideate Explorer:** Modulus encourages its team to always leave Ideate Explorer open so it’s readily available to use for even rudimentary tasks like selecting hidden objects instead of visually looking for them. “For example, when a CAD file is imported but isn’t visible, it has often been placed on the wrong level or outside of the view range. With Ideate Explorer, we can select the file and change the associated level without having to edit the view or switch to another,” he said. The team also uses Ideate Explorer to select all linked Revit models to verify they’re pinned or quickly get a sense of how many family types or instances are in the model.



Peter Michealsen, Managing Principal, Modulus Consulting

**Ideate BIMLink:** Modulus uses this tool to take Ideate Explorer to the next level. Where Ideate Explorer lets them manage or manipulate small groups of elements at a time, Ideate BIMLink lets them manage the model content on a greater scale. For instance, they use it to merge facilities management data in and out of project parameters. “Owners often ask us to track numerous attributes per asset type and instance, meaning we regularly have to manage thousands of parameter values across a project. Ideate BIMLink makes it easy,” said Peter.

**IdeateApps SmartDelete:** Although this tool was designed to warn users of elements that will be deleted with a selection, Modulus found another use. “Before we relocate a tagged object, we use SmartDelete to help us locate any views that have annotation attached to the object before we move it, so we can follow up the move by making sure tags and dimensions on all views still read cleanly,” said Peter. “Without it, we could be searching for a needle in a haystack.”

**IdeateApps Clone:** “We use Clone to automate the process of duplicating sheets, saving us time and reducing the chance of errors,” said Peter.

## Advancing the AECO Community

Modulus provides BIM guidance, support, and services to building project teams, and Ideate Software develops applications for Autodesk’s Revit software for BIM. A deep mutual respect led to a formal partnership where each refers business to the other. Together, Modulus and Ideate Software bring a deep bench of BIM services and solutions to the architecture, engineering, construction, and building owner (“AECO”) community.

SFO	SFO_RoomName	SFO_SerialNumber	SFO_AutoTag	SFO_AutoTagID	SFO_SerialNumber	SFO_Control	SFO_Power	SFO_Voltage
1	Building 704	704.100	EMER POWER	EMER POWER	704.100	EMER POWER	704.100	EMER POWER
2	Building 704	704.101	EMER POWER	EMER POWER	704.101	EMER POWER	704.101	EMER POWER
3	Building 704	704.102	EMER POWER	EMER POWER	704.102	EMER POWER	704.102	EMER POWER
4	Building 704	704.103	EMER POWER	EMER POWER	704.103	EMER POWER	704.103	EMER POWER
5	Building 704	704.104	EMER POWER	EMER POWER	704.104	EMER POWER	704.104	EMER POWER
6	Building 704	704.105	EMER POWER	EMER POWER	704.105	EMER POWER	704.105	EMER POWER
7	Building 704	704.106	EMER POWER	EMER POWER	704.106	EMER POWER	704.106	EMER POWER
8	Building 704	704.107	EMER POWER	EMER POWER	704.107	EMER POWER	704.107	EMER POWER
9	Building 704	704.108	EMER POWER	EMER POWER	704.108	EMER POWER	704.108	EMER POWER
10	Building 704	704.109	EMER POWER	EMER POWER	704.109	EMER POWER	704.109	EMER POWER
11	Building 704	704.110	EMER POWER	EMER POWER	704.110	EMER POWER	704.110	EMER POWER
12	Building 704	704.111	EMER POWER	EMER POWER	704.111	EMER POWER	704.111	EMER POWER
13	Building 704	704.112	EMER POWER	EMER POWER	704.112	EMER POWER	704.112	EMER POWER
14	Building 704	704.113	EMER POWER	EMER POWER	704.113	EMER POWER	704.113	EMER POWER
15	Building 704	704.114	EMER POWER	EMER POWER	704.114	EMER POWER	704.114	EMER POWER
16	Building 704	704.115	EMER POWER	EMER POWER	704.115	EMER POWER	704.115	EMER POWER
17	Building 704	704.116	EMER POWER	EMER POWER	704.116	EMER POWER	704.116	EMER POWER
18	Building 704	704.117	EMER POWER	EMER POWER	704.117	EMER POWER	704.117	EMER POWER
19	Building 704	704.118	EMER POWER	EMER POWER	704.118	EMER POWER	704.118	EMER POWER
20	Building 704	704.119	EMER POWER	EMER POWER	704.119	EMER POWER	704.119	EMER POWER
21	Building 704	704.120	EMER POWER	EMER POWER	704.120	EMER POWER	704.120	EMER POWER
22	Building 704	704.121	EMER POWER	EMER POWER	704.121	EMER POWER	704.121	EMER POWER
23	Building 704	704.122	EMER POWER	EMER POWER	704.122	EMER POWER	704.122	EMER POWER
24	Building 704	704.123	EMER POWER	EMER POWER	704.123	EMER POWER	704.123	EMER POWER
25	Building 704	704.124	EMER POWER	EMER POWER	704.124	EMER POWER	704.124	EMER POWER
26	Building 704	704.125	EMER POWER	EMER POWER	704.125	EMER POWER	704.125	EMER POWER
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53	Building 704	704.152	EMER POWER	EMER POWER	704.152	EMER POWER	704.152	EMER POWER
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57	Building 704	704.156	EMER POWER	EMER POWER	704.156	EMER POWER	704.156	EMER POWER
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64	Building 704	704.163	EMER POWER	EMER POWER	704.163	EMER POWER	704.163	EMER POWER
65	Building 704	704.164	EMER POWER	EMER POWER	704.164	EMER POWER	704.164	EMER POWER
66	Building 704	704.165	EMER POWER	EMER POWER	704.165	EMER POWER	704.165	EMER POWER
67	Building 704	704.166	EMER POWER	EMER POWER	704.166	EMER POWER	704.166	EMER POWER
68	Building 704	704.167	EMER POWER	EMER POWER	704.167	EMER POWER	704.167	EMER POWER
69	Building 704	704.168	EMER POWER	EMER POWER	704.168	EMER POWER	704.168	EMER POWER
70	Building 704	704.169	EMER POWER	EMER POWER	704.169	EMER POWER	704.169	EMER POWER

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56	Building 704	704.155	EMER POWER	EMER POWER	704.155	EMER POWER	704.155	EMER POWER
57	Building 704	704.156	EMER POWER	EMER POWER	704.156	EMER POWER	704.156	EMER POWER
58	Building 704	704.157						