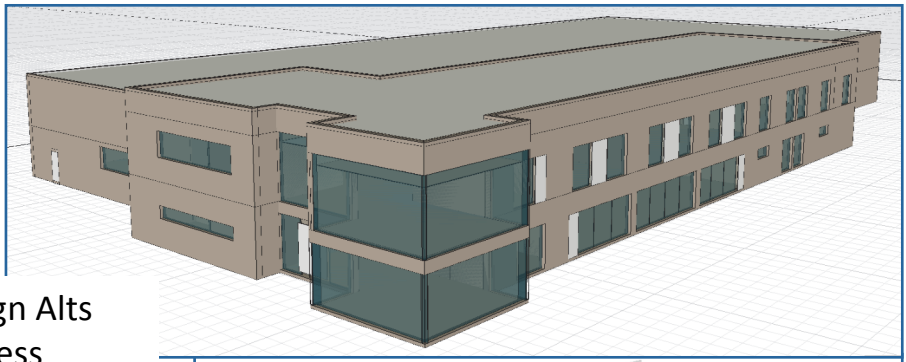


# Simergy™

Building Energy Modeling in Record Time!

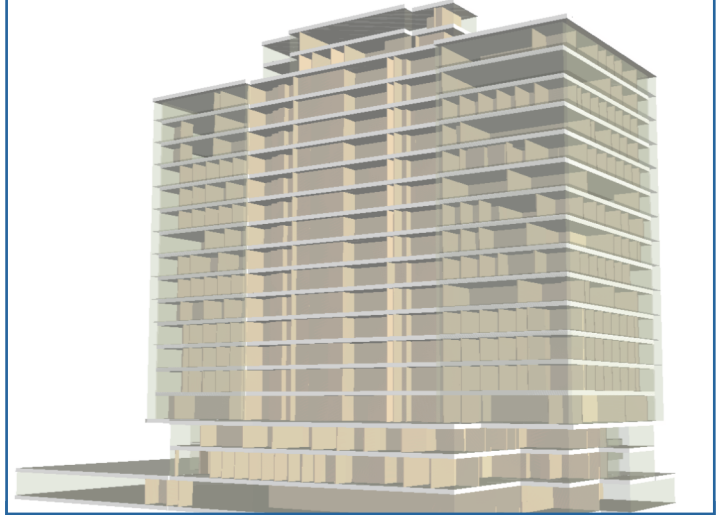


## Design Alternatives / Building Site

- Create/manage/compare multiple Design Alts
- Dashboard picture of model completeness
- Weather/site data for hundreds of locations
- Model adjacent buildings, solar obstructions, site power demand & power generation products
- Model solar, wind, generator devices/systems

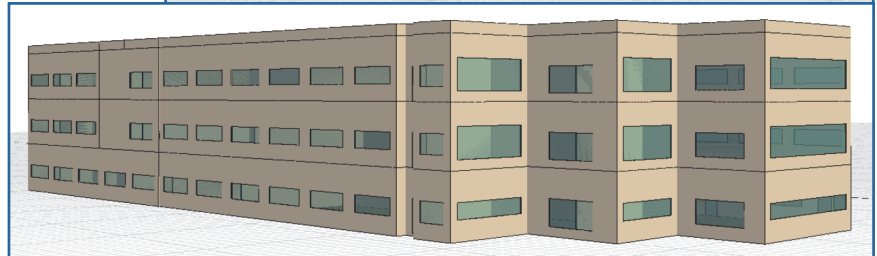
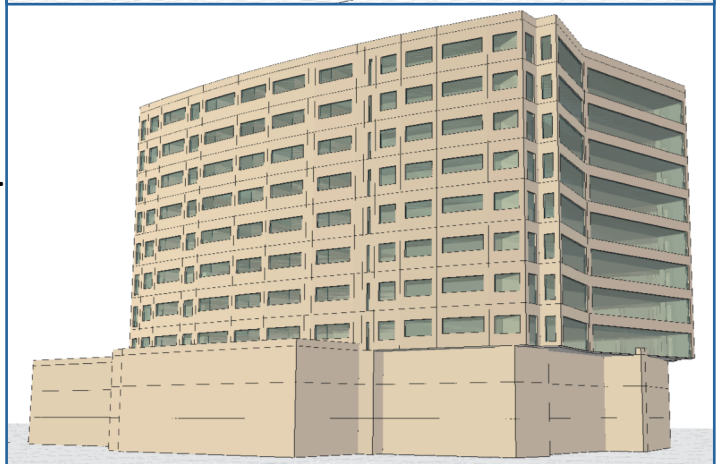
## Building Modeling

- Building Model Creator™ — parametric modeling enables design changes — models are re-created! Create models in minutes — not days!
- Other building modeling options
  - Custom Modeling of facades & floor plans
  - Model over DWG/DXF files (2D to 3D)
  - Import IFC, gbXML, IDF models from design apps
- Spaces and zones — define constructions, energy loads, schedules, target zone conditions, and more
- Define & Simulate Daylighting, Natural Ventilation
- Templates & Libraries = re-use across Projects



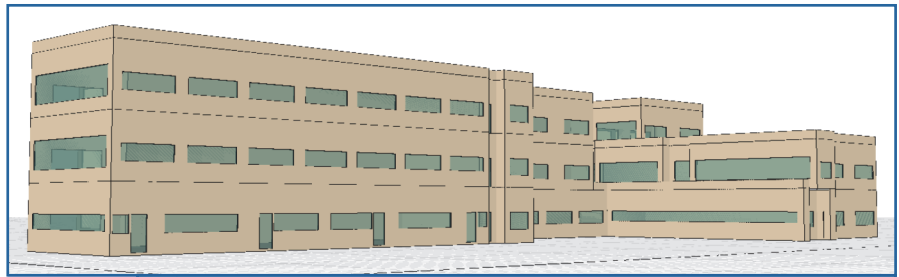
## Building Systems Modeling

- Building Systems Creator™ — parametric modeling enables design changes — models are re-created!
- Create systems models in minutes— not days!
- Drag/Drop Creation of customize loops - all types Air (1/2/3 ducts), HW, CHW, CW, Mixed, STM, VRF, ...
- Rule-based loop validation finds problems before Simulation — saving you time!
- Loop-level settings for controls, capacities, limits, ...
- Full support for E+ controls, schemes, & sched. sets
- Cross-loop connections easily created /managed
- Templates & Libraries = re-use across Projects



# Simergy™

Building Energy Modeling in Record Time!



## Simulation

- BEM dynamic energy simulations—E+ v8.6
- Support for all E+ Simulation Options
- Define/save/reuse Simulation Configurations
- Track and Compare Results for Simulation Runs
- Dashboard view of BEM simulation readiness
- Auto-apply E+ Auto-size & Auto-calculate values

## Standards Compliance

- Integrated Standards Compliance Framework
- California 2016 Energy Code (T24) — in v2.6  
Certified by California Energy Commission
- ASHRAE 90.1 and LEED — to follow

## Reports / Results Visualization

- 14 Standard Reports + hundreds of E+ reports
- Copy/paste reports/Results Vis into your reports
- Flexible graphing for thousands of E+ result vars
- Library of Charts/Graph configuration templates can be reused in future projects

## Libraries and Templates

- Industry Standard content that will save you time!
  - 47 Libraries w/ thousands of entries included
  - 21 Template types w/ hundreds of entries
- Easy-to-Use tools for creating Schedules and Material Layer sets (Constructions)
- Tools for creating and managing your own libraries

## User Customization

- Set defaults for: Units, UI preferences, Libraries, Simulation Warnings, Property filtering, ...
- Set defaults for Model Creator™ — Templates, Model parameters, glazing, custom facades, ...
- Configurable Auto-Save protect project data
- Customizable UI layout — for each workspace

