

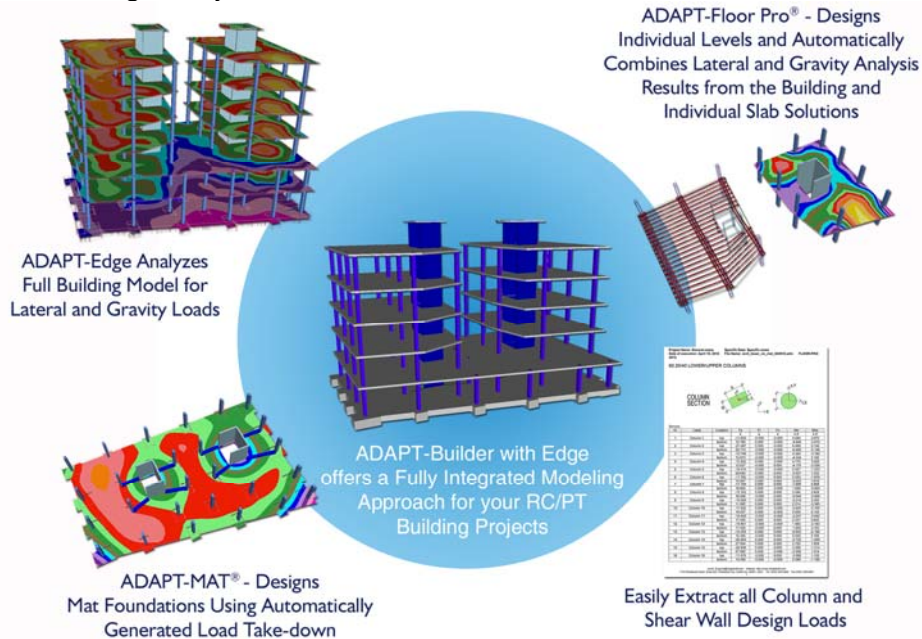


ADAPT

ADAPT-Edge® for Integrated Building Design

The Power and Flexibility of Detailed Floor, Foundation and Building Design in One Solution

ADAPT-Edge allows for the analysis of gravity and lateral loads on an entire concrete building structure from roof to foundation, including automated load takedown. Used with Floor Pro and MAT, Edge helps to simplify the analysis and design process by using only one model for floor, foundation, and building analysis and design. Edge can be used as a stand-alone product or together with ADAPT's specialized design software for floor and foundation systems – Floor Pro and MAT. Unlike other general purpose programs in the market, Edge is specifically designed for the rapid modeling of concrete structures and gives the option of adding prestressing or post-tensioning to any slab or beam member.



Edge lets users switch from full structure to single-level views of their project models with the click of a button, allowing for the efficient running of design cycles and member optimization, level by level. Edge automatically accounts for the composite interaction of all vertical and horizontal elements including differential shortening and secondary effects of post-tensioning, if present. Imports concrete building models from Revit® Structure.

Key Features:

- Easy modeling of complete concrete buildings
- Easily combine lateral and gravity loads in floor and foundation designs
- Model soil-supported structures
- Analyze full building or individual levels one at a time
- Accurate 3D FEM analysis
- Reinforced and Post-Tensioned concrete at any level
- Automatic inclusion of secondary post-tensioning effects in entire structure
- Floor slabs analyzed as elastic diaphragms with accurate bending and membrane response
- Industry's best automated meshing algorithm
- BIM Interoperability with Revit Structure and ETABS
- Wind load wizard
- Automated load takedown for vertical elements
- Option for integrated floor (Floor Pro) and foundation (MAT) system design
- Integrated modal vibration analysis for any user-defined panel, single level or entire structure
- Column, beam and wall forces that truly reflect the composite structural behavior of all vertical building and horizontal floor system member
- Extensive tabular and graphical reports
- Supports a wide range of US and international building codes

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