



ADAPT

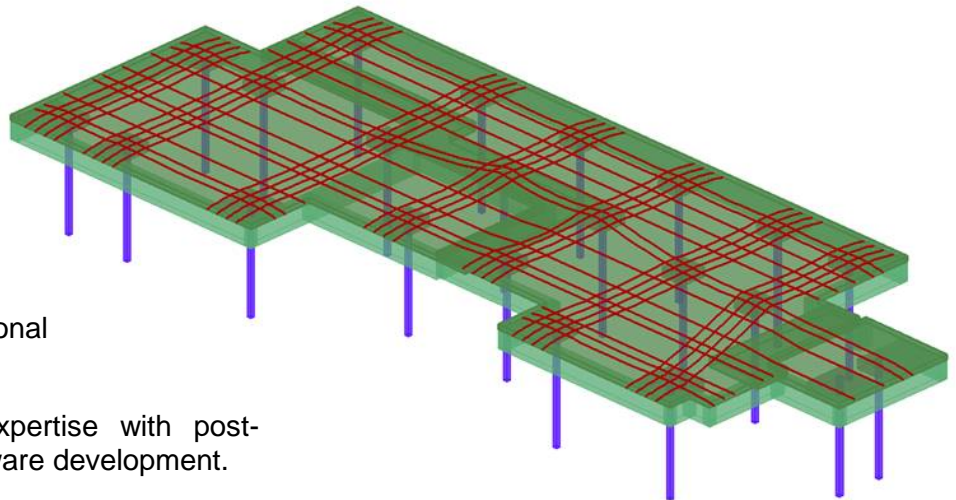
ADAPT-Floor Pro for Tella Firma Slab designs



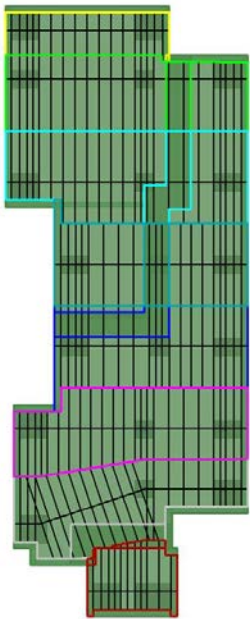
A proven and practical approach to design slabs on shifting soils

Analyze and design post-tensioned foundation slabs of any complexity with confidence using ADAPT-Floor Pro, a 3D finite element software, for your next TellaFirma project, including single- and multi-family residential or commercial applications. This unique foundation system allows for ease of construction as slabs are cast at grade and post-tensioned, and then elevated, creating a protective void over soils which tend to heave or swell. This void isolates the slab and helps protect against damage from soil movement.

Floor Pro captures the details of any complex geometry, with the ability to model post-tensioning in any layout. Designs are efficient and accurate. TellaFirma slab systems are designed as structurally suspended, making this a perfect pairing. TellaFirma slabs are more affordable and take less time to install than most traditional suspended foundations.



ADAPT has over 30 years of expertise with post-tensioning, slabs on grade, and software development.



TellaFirma Slabs designed with ADAPT-Floor Pro combine the best of both worlds – maximize safety and economy with a sophisticated solution. Detail post-tensioning configuration, rebar layout, column pedestals or drops, and complex geometry with ease.

Key Features:

- Generates a true 3D solid model of an entire concrete slab system
- Imports DWG/DXF files (import and export)
- Automated tendon generation and optimization
- Temperature Loading and Shrinkage Strain
- Performs a detailed finite element analysis of the entire floor systems and its supporting structure
- Specify typical top and bottom reinforcement mesh and rebar
- Easily define support lines - even for complex geometries
- Automatically generates all critical design sections
- Performs code check and reports the location and amount of reinforcement needed
- Extensive graphical and tabular reports
- Edit graphical rebar layout report to optimize rebar layout
- Supports ACI 318-14 and IBC 2015 design codes

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