



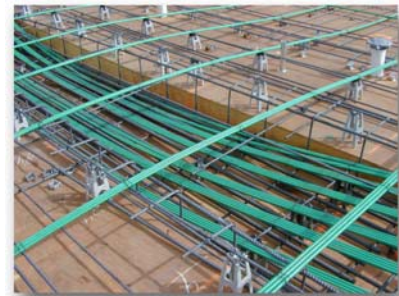
ADAPT-PT® Post-Tensioning Design Software

The world's most popular software for the design of post-tensioned slabs and beams.

Since 1981, ADAPT-PT's proven reliability and ease-of-use have made it the most widely used software for the design of post-tensioned slabs and beams worldwide. It is based on the Equivalent Frame Method of analysis and leads the user through a simple to follow, step-by-step modeling and design process. Its unmatched ability to speedily produce optimized designs and quantity take-offs in minutes have made it the tool of choice for design professionals seeking to complete their post-tensioned projects profitably and consistently on time. Designers of beam and slab parking structures, in particular, find ADAPT-PT to be the best suited solution for their type of projects. And, ADAPT-PT is widely deployed as a training tool for engineers new to the design of post-tensioning.

Applications and Project Types:

- Post-tensioned slab systems (buildings)
 - One-way slabs and two-way flat plates
 - Waffle, pan joist, and skip joist systems
- Beams and beam frames (parking structures)
- Bonded (grouted) and unbonded post-tensioning



Key Modeling Capabilities:

- 3D structural view reduces modeling errors
- Models design strips with regular or irregular geometry
- Supports drop caps, drop panels and transverse beams
- Multiple tendon profiles with customizable shape functions
- Supports any user-defined configuration of base reinforcement

Key Analysis Features:

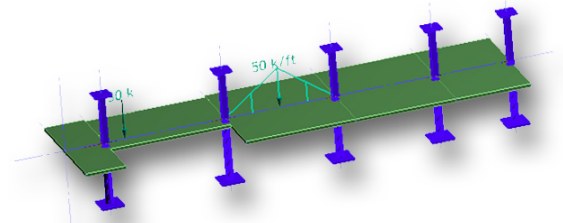
- Simple or Equivalent Frame analysis options
- Cracked deflection calculation
- Automatically combines gravity and lateral loads
- Calculates secondary (hyperstatic) actions
- Investigation of existing slabs and beams
- Integrated friction, long-term loss, and elongation calculation

Advanced Interactive Design:

- Automatically calculates optimized design based on user- and code-specified design parameters
- Interactive design review dashboard clearly shows all relevant metrics of each design iteration
- Instantly shows effect of changes in tendon force and profile
- Performs code check for reinforcement and post-tensioning
- Calculated reinforcement checked against base rebar
- Offers moment redistribution option
- Integrated punching shear design for studs or stirrups
- Checks beam shear capacity and calculates stirrup requirement

Supported Design Codes:

- ACI-318 (1999, 2005 & 2008)
- IBC (2006 & 2009)
- British-BS8110 (1997)
- Canadian-A23.3 (1994 & 2004)
- Australian-AS3600 (2001)
- Indian IS456 (2005 reprint)
- European EC2 (2004)
- Hong Kong CoP (2007)
- Chinese GB 50010 (2002)



Available Reports:

- Concise tabular and graphical reports
- Summary report for reinforcement
- Material quantities