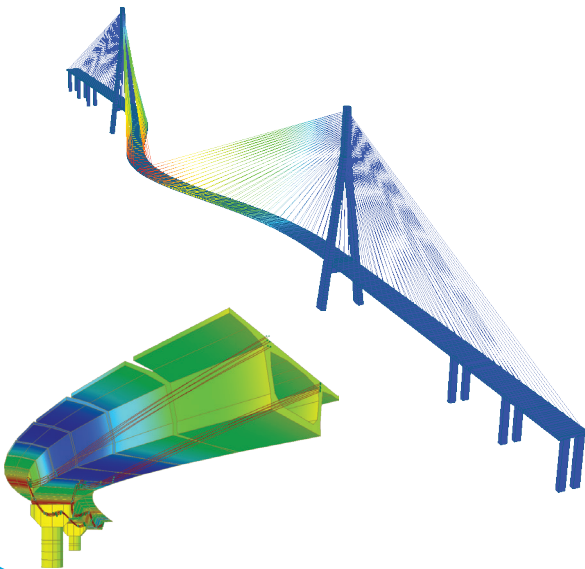


One Stop Solution System for Bridge and Civil Structures

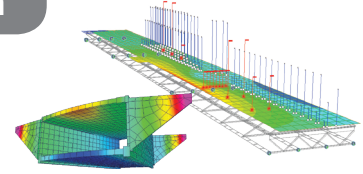
Advanced Version

- Includes **Plus Version functionality**
- Construction Stage Analysis (unlimited number of stages)
- Post-tension Wizards
 - Free Cantilever Method Wizard (FCM, Balanced Cantilever)
 - Incremental Launching Method Wizard
 - Full Staging Method & PSC bridge Wizard
- Large Displacement (Forward/Backward) Analysis
 - Suspension Bridge Wizard
 - Cable Stayed Bridge Wizard
 - Cable Tuning
- Boundary Nonlinear Dynamic Analysis
 - Gap, Hook, Damper, Isolator, Hysteretic System, etc.

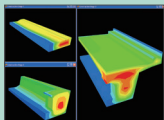


Plus Version

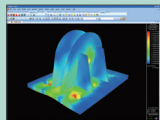
- Static Analysis
- Dynamic Analysis (Eigen (Lanczos) and Ritz vector Analyses, Response Spectrum Analysis, Time History Analysis)
- Vehicle Load Optimization (Eurocode 1 (UK Annex Included), AASHTO LRFD & Standard. Load auto-generation, CAN/CSA-S6, BS5400 Spec., BD37/01, BD21/01, BD86/11 & 025 Network Rail Assessment, AS5100, SP 35.13330.2011, Abnormal Indivisible Load, Influence Line/Surface, Moving Load Tracer & Force Envelopes)
- P-Delta Analysis
- Wizards (Slab, RC Frame & Culvert auto-generators)
- Integral Bridge Module (Soil-Structure Interaction)
- Grillage Model Auto-Generation (Multi-Cell Box Girders)
- Transverse Analysis Model Auto-Generation
- Settlement Analysis
- Pushover Analysis
- Section Property Calculator for irregular sections
- Buckling Analysis
- Thermal Stress Analysis
- Automesh for Planar Area (Wood-Armer moments)
- Composite Bridge Analysis
- Construction Stage Analysis (up to 10 stages)
 - Creep, Shrinkage & Modulus of Elasticity (AASHTO / Eurocode / CEB-FIP / ACI209 / PCA / AS3600 / AS/RTA 5100.5)
 - Tension losses in tendons
- Design (EC2, EC3, EC4 / AASHTO LFD, LRFD / AISC LRFD & ASD, ACI 318 / CAN/CSA-S6)
- GSD (General Section Design)



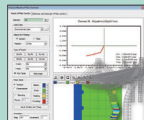
Options for Advanced Version



Option 1
Heat of Hydration Analysis for Mass Concrete



Option 2
Material Nonlinear Analysis

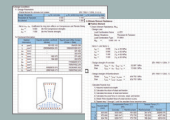


Option 3
Inelastic Time History Analysis



Option 4
Rail Track Analysis

Options for Plus Version



Option 5
Composite Bridge Wizard



Option 6
Bridge Assessment as per CS454

Full Version

Advanced Version + Option 1, 2, 3, (4)