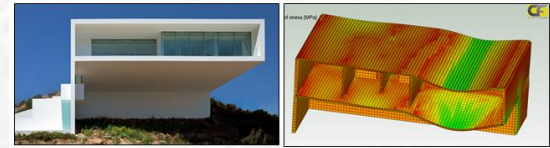


-CivilFEM makes the difference-
 Multidisciplinary Advanced Non-linear FEM Analysis Software

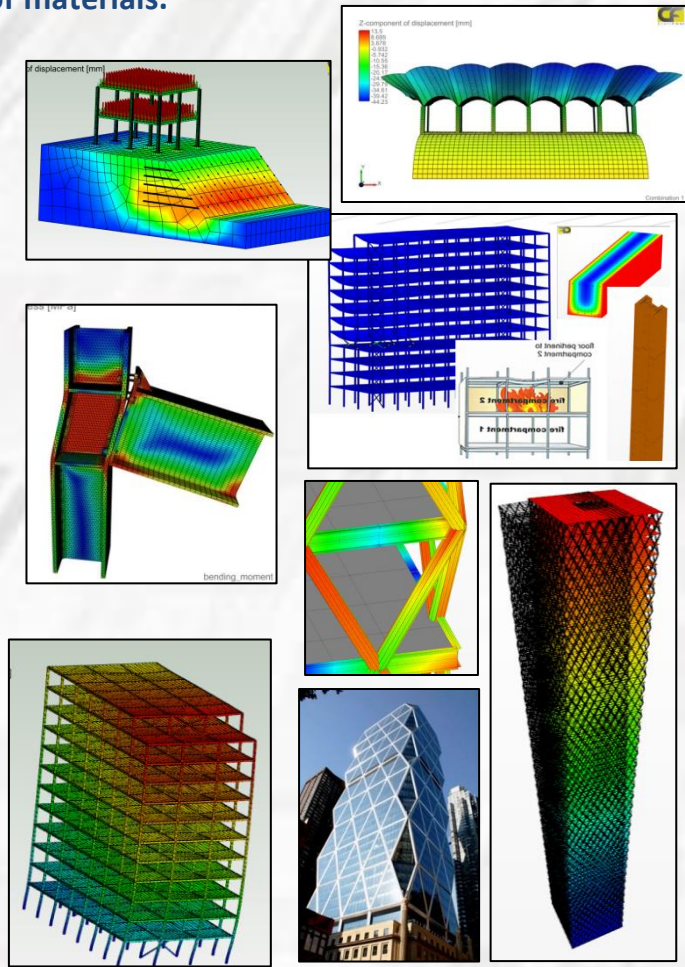
SKYSCRAPER & ADVANCED ARCHITECTURE

“CivilFEM® works in the same way as you build”:

Analyze the entire construction process in a single model: CivilFEM facilitates the virtual simulation of all the non-linear construction processes in a straightforward sequential way by means of its tools, time-dependent properties and activation and deactivation of materials.



- ARCHITECTURE ANALYSIS HIGHLIGHTS:**
- Check & Design of Steel, Reinforced and Prestressed structures
 - Transient and nonlinear evolutive construction process
 - Time dependent material properties
 - Soil-structure interaction analysis: Slope stability, retaining walls, seepage & foundations
 - Soil behavior law models: Drucker-Prager, Mohr-Coulomb (cohesion and variable angle of friction) and Tensile Cam-Clay
 - Nonlinear Multibody Advanced Contacts
 - Seismic and earthquake engineering (response spectrum or nonlinear time history)
 - Heat transfer (steady and transient analysis)
 - Thermal analysis (Fire protection design)
 - Concrete Creep and Shrinkage
 - Cracking (concrete, timber...)
 - Prestressed reinforced concrete Nonlinear spring and dumpers
 - Nonlinear buckling
 - Follower forces. Large deflections



CivilFEM® powered by Marc® is a very powerful and versatile program suitable for all the types of advanced analyses performed in all construction sectors, providing a rich set of tools that streamline the creation of analysis models for Construction, Dams, Civil engineering, Tunnels, Geotechnics, Mining, Energy, Oil&Gas, Precast, etc.

With its intuitive user friendly interface and pre/post features, it is very easy to learn. The powerful (included) Marc® from MSC® Software non-linear solver aids to solve the most demanding and complex advanced analyses. ®Trademark property of their respective owners