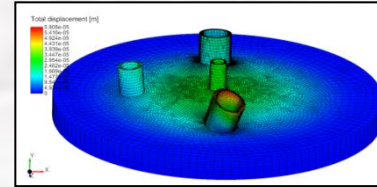


**-CivilFEM makes the difference-**  
 Multidisciplinary Advanced Non-linear FEM Analysis Software

**POWER PLANTS: Nuclear, Hydraulic...**

“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.

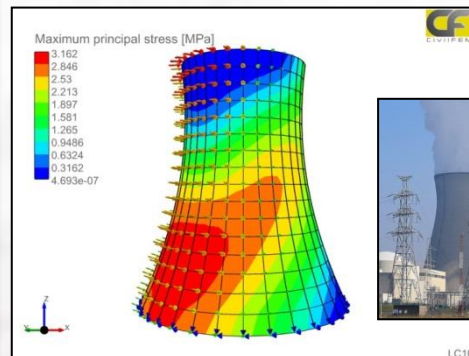
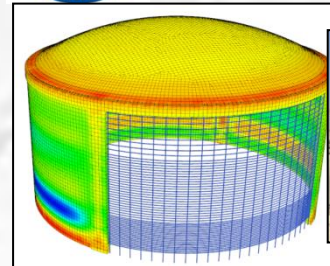


**POWER PLANT CAPABILITIES HIGHLIGHTS:**

- Nuclear concrete & Steel Codes and QA Services
- NRC, ASME & ISO-9001 Developer certification
- Transient and nonlinear evolutive construction process
- Time dependent material properties
- Soil-structure interaction analysis
- Nonlinear Soil behavior laws: Drucker-Prager, Mohr-Coulomb and Tensile Cam-Clay
- Nonlinear Multibody Advanced Contacts
- Seismic and earthquake engineering (response spectrum or nonlinear time history)
- Hydrodynamic Masses (modal, spectral & transient)
- Heat transfer & Thermo-Structural analysis
- Cracking & Crushing. Creep & Shrinkage
- Nonlinear spring and dampers
- Orthotropic material
- Follower forces. Large deflection
- Non-linear Springs and Dampers
- Strain-hardening plastic material (Steel & Concrete)
- Prestressed reinforced concrete

**NUCLEAR Concrete & Structural Steel Codes and QA Services**

- ACI 349-01, 06, 13.
- ACI 359-04.
- ASME B&PV Code Section III, Subsection NF.
- ITER Structural Design Code



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