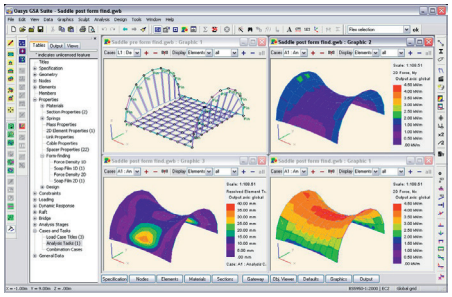
Oasys
YOUR IDEAS BROUGHT TO LIFE

GSA

Structural Engineering Software

Comprehensive analysis and design software

GSA is the most wide ranging design and analysis package for buildings, bridges and tensile structures. This intuitive software allow engineers to design structural models with 1D and 2D finite elements, use footfall analysis to measure the responsiveness of human induced vibration, and form finding to ensure the correct forces and pre-tension within fabric structures.



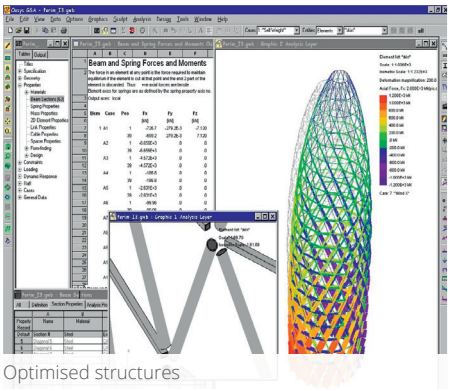
Fabric analysis

Working with GSA

Nonlinear shell elements allow deflection and rotation problems to be accurately modelled, where elements such as cables and beams interact with concrete and steel wall plates. Curved and explicit members are used for analysing structures with a variety of complex shapes and sizes.

BIM

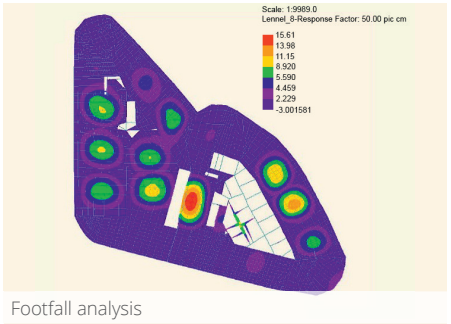
GSA is BIM (Building Information Modelling) compatible and is designed to connect with a range of other leading software packages including Autodesk Revit.



Optimised structures

Soil-structure interaction

GSA Suite is perfect for busy foundation designers as it enables you to analyse how your structure interacts with the ground for optimum design. This easy-to-use software combines non-linear structural and geotechnical models to calculate accurate settlements, soil pressures, bending moments and other structural stresses in a fraction of the time.



Footfall analysis

Benefits

- Structural analysis software for static, dynamic and buckling analysis.
- BIM compatible software with Integration to Autodesk's Revit Structure and other advanced modelling software.
- Footfall induced vibration analysis with tools developed by engineers at the forefront of this technique.

GSA Packages

GSA Analysis Day to day analysis of engineering designs.

GSA Building Includes analysis functionality with added features such as footfall analysis, steel design and bridge loading.

GSA Suite Most comprehensive package which includes for finding and fabric analysis for tensile and gridshell structures.

Download your free 30 day trial version from our site today

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