

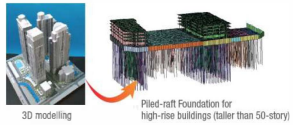
<https://www.midasoft.com/geo/gtsnx/products/midasgtsnx>
For more than last two decades, MIDAS Engineering Solutions have been used
in designing prominent landmark structures around the world

Product Overview

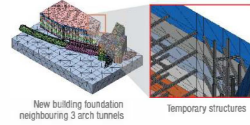
Geotechnical Engineering Field

Application Areas & Dedicated Tools for Geotechnical and Tunnel Engineers

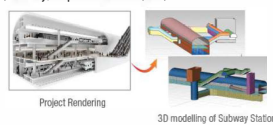
Deep Foundations and Soil-Structure Interaction



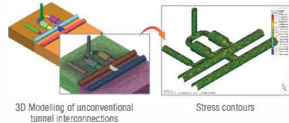
Deep Excavation and Temporary Structures



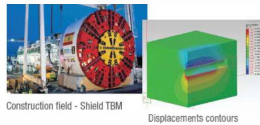
Underground Structures (subway, disposal facilities, etc)



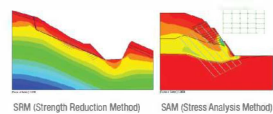
Unconventional Tunnel Intersections



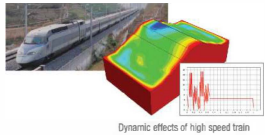
Shield TBM Analysis considering excavation sequences



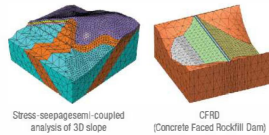
Slope Stability and Embankments



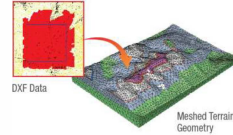
Vibration analysis for Earthquake & Blasting



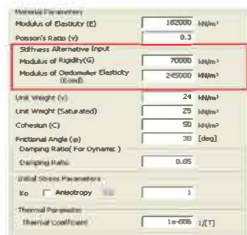
Groundwater Flow - Stress coupled Analyses



Terrain Geometry Maker

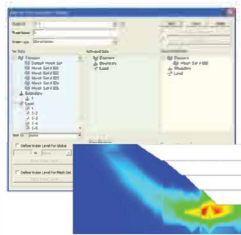


Enhancements



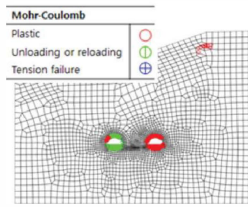
Alternative Stiffness Parameters for Ground Material

Instead of using the Young's modulus as a stiffness parameter, alternative stiffness parameters of G and E_{oed} can be entered.
The alternatives are influenced by the input values of E and ν .



Slope Stability Analysis considering Construction Stages

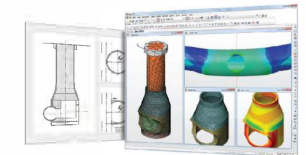
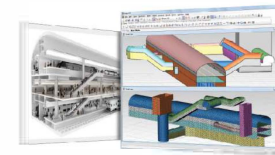
After construction stage analysis, slope stability analysis can be performed considering stresses of each stage in which internal loads are created as per excavations or embankments.



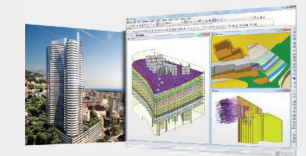
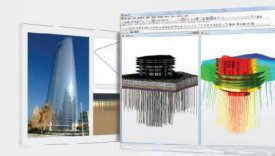
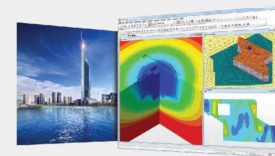
Output of Plastic Points

Depending on the type of plasticity that has occurred, plastic stress points indicating plastic or failure states are displayed in small symbols which have different shapes and colours.

Tunnel & Underground Structures



Excavation & Foundation



Slope, Dam and Offshore Structures

