

MIDAS Key Clients



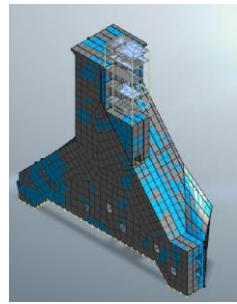
Contact Information

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 au.support@midasit.com | www.midasuser.com/en
 MIDAS Customer Online Support Website
<http://globalsupport.midasuser.com>

Strong Suites of MIDAS Software for Hydropower and Dams

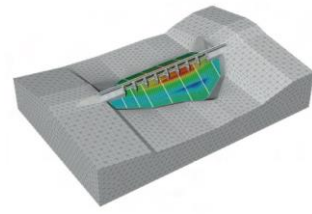


Flagship Projects



Shahpurkandi Dam, Punjab

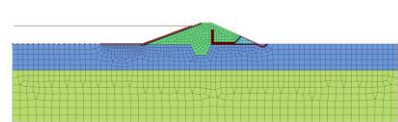
- Consultant : SMEC
- Project Type: Concrete Dam
- Fine Details: Overflow Section Stability and Stress Analysis



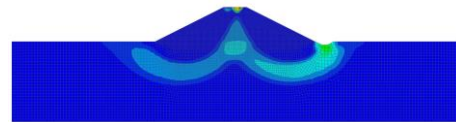
Buhang Dam, Gimcheon, Korea

- Consultant: GS E&C
- Project Type: Concrete Flood Control Dam
- Fine Details: Deformation and Stress Distribution

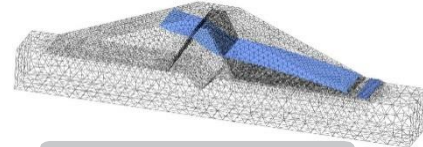
01 Applications Range in Field of Dams & Hydropower Structures



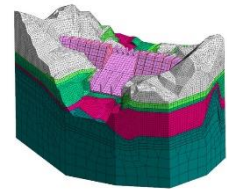
Earthen Dam Shoulder Settlement



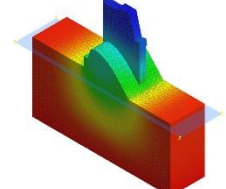
Earthen Dam Slope Safety



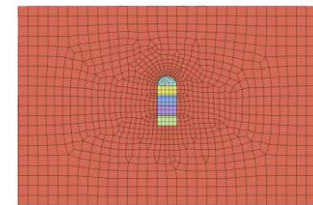
Earthen Dam Peizometric Levels



Gravity Dams



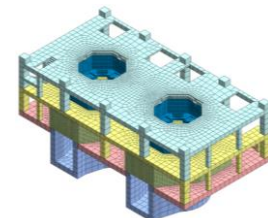
Spillways



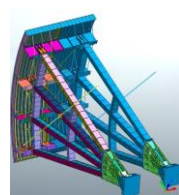
Caverns



Arch Dams



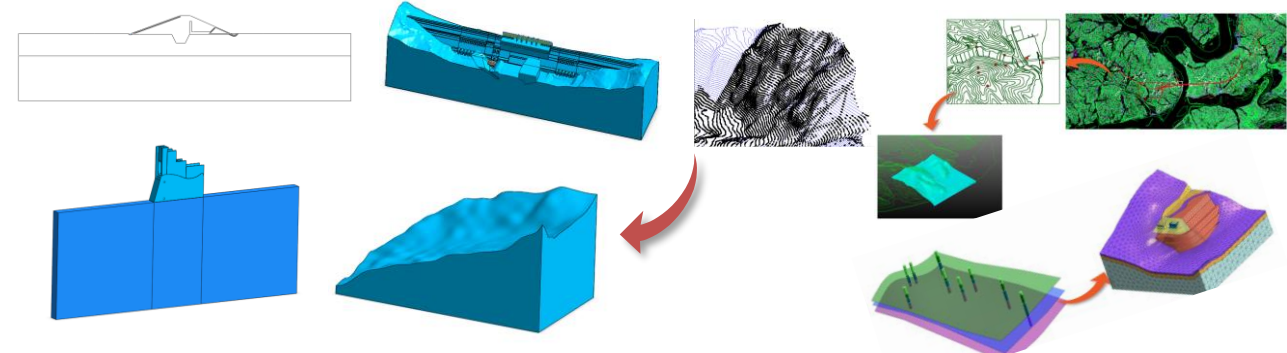
Turbine Foundation



Radial Gate

02 Advanced Geometric Development Features

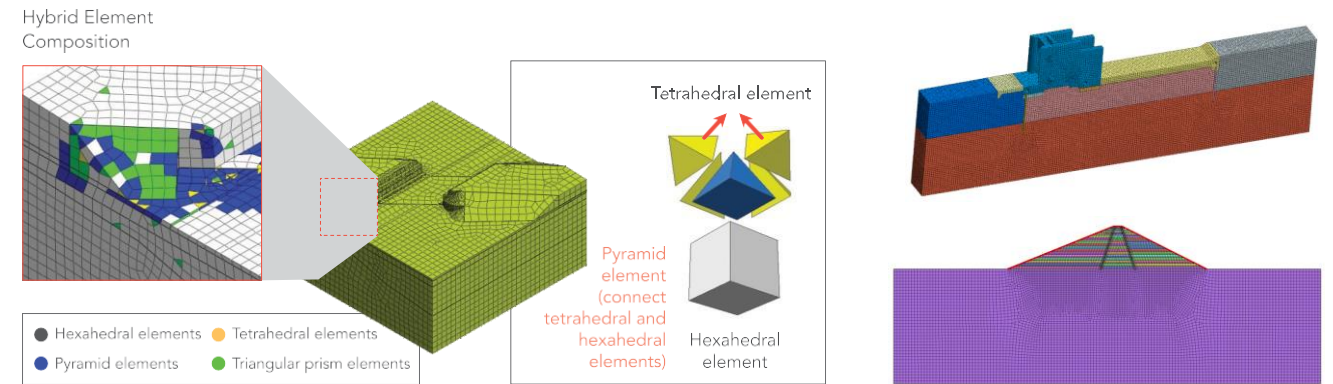
DXF, DWG, CAD formats, Elevation Data, Contour Curves import, Soil Stratigraphy & Topography Development



Multi-format CAD Import, Elevation & Contour Data Import and Boolean Operation solids connections.

03 Materials & Meshing (Tetrahedral + Hexahedral Elements)

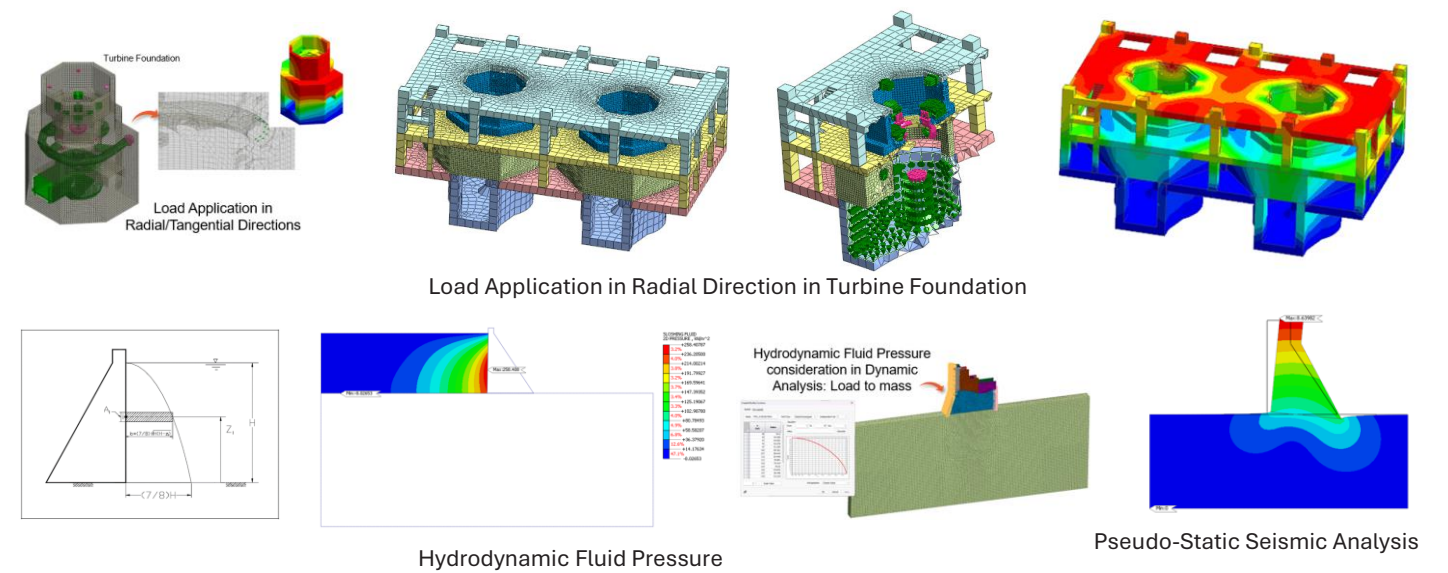
Optimized Mesh Generation of various element types (2D Auto Mesh, 3D Auto Mesh, 3D Map Mesh) in Cylindrical and Global Coordinates



Advanced High Quality Meshing Capability

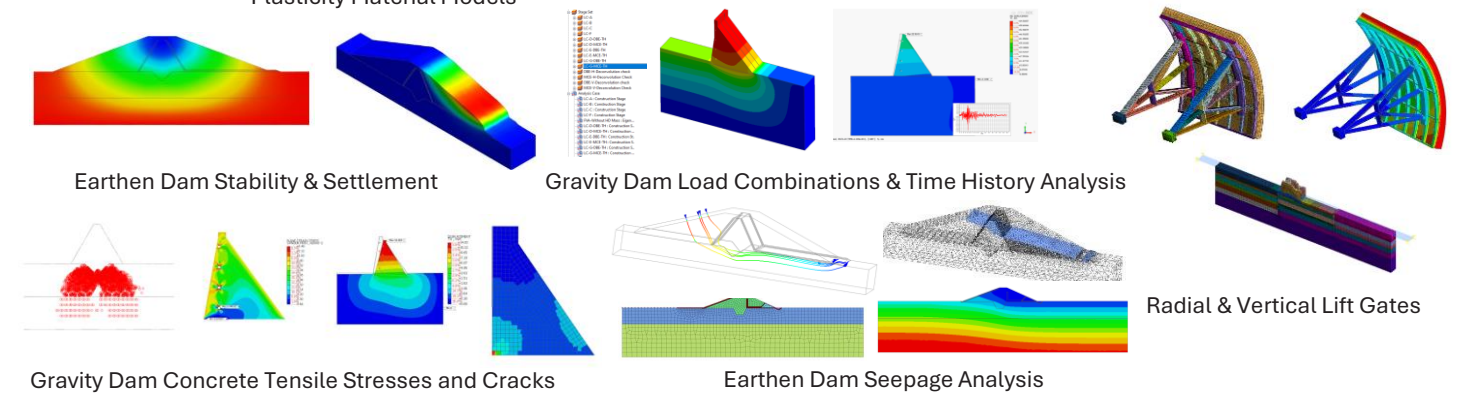
04 Static & Dynamic Loading

Static Load Application in Rectangular & Cylindrical coordinates and Load Combinations
Hydrodynamic Fluid Pressure: Sloshing Medium
Seismic Analysis: Pseudo-Static, Response Spectrum, Time History



05 Analysis & Post-Processing

Earthen Dam Settlements, Stability and Seepage Results simulating reservoir Gradual/ Rapid Filling and Drawdown Scenarios
Gravity Dam Tensile Stresses and Crack Propagation using Concrete Smeared Crack and Concrete Damaged Plasticity Material Models



Results exported in Images, Word, Excel, pdf formats