



Save time, reduce errors and leverage automatic predictions for ground movement and structural damage.

Xdisp streamlines your predictions of ground movement and the potential for damage, replacing a patchwork of programs and spreadsheets with a single, integrated solution.

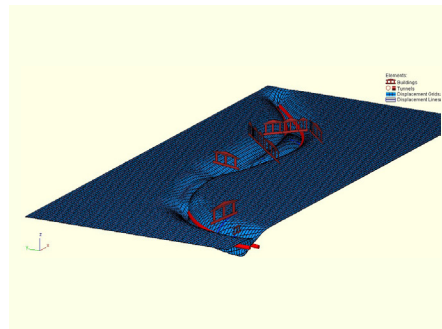
XDisp: transforming ground movement and structural damage prediction



Estimate the effect on surrounding structures when performing groundwork

Xdisp automates the process and displays the data in clear 3D graphics. The program

helps you predicts ground movements due to all kinds of excavations, including tunnels, basements, mines and embedded walls. Xdisp then uses these soil movements to assess the risk of damage to surrounding buildings, outputting useful graphs and charts to highlight critically impacted areas and structures.

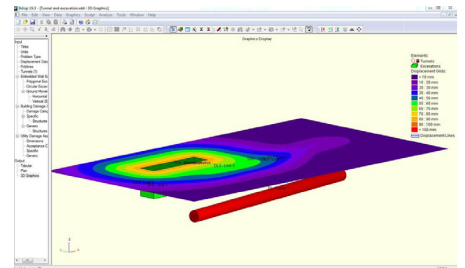


XDisp graphical output

Analyse unlimited analysis at multiple construction stages in a single model view with Xdisp's innovative staged construction feature. No more switching between model files! Animate visualisation of results and the impact on structures, utilities and railways at different stages of the project all in one model.

3D graphics make it easy to check calculations and interpret the data, as well as helping to make things clear for designers, contractors and clients. Drawing on Arup's experience of complex urban tunnelling projects in London, New York, Hong Kong and Australia, Xdisp has

been used successfully on Crossrail and Copenhagen Metro, as well as numerous underground railway and building projects around the world.



XDisp settlement contours

Contact oasys@arup.com for more information.

Benefits

- Simulate multiple construction sequences in a single model - significant time savings!
- Calculates 3D displacements and horizontal strains.
- User friendly software.
- Gives accurate results in minutes.
- Building, utility and rail damage analysis with summary analysis for multiple structures.