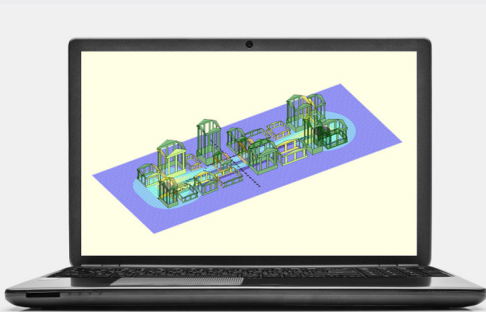


XDISP AUTOMATES GROUND MOVEMENT, AND ASSESSMENTS OF BUILDING, RAIL, AND UTILITY DAMAGE



Save thousands of hours of analysis time

Most urban tunnelling and excavation projects require estimates of ground movement and structural damage assessments. XDisp automates the process and displays the results in clear 3D graphics, eliminating errors and saves you significant time.

Available in two versions, XDisp and XDisp Pro, it is a feature rich software program with COM capabilities; allowing you to create data objects that external programs can interact with and understand.



Analysis and Calculations

Fastest possible analysis and renders with multicore processing capabilities



COM - Component Object Model

External programs can pass information and instructions to and from XDisp



Wall Excavations

Embedded wall excavations are modeled in plan as polygons



Staged Construction

Unlimited analysis of different stages of the construction within one model view



Assessments

Assess building, rail, and utility damage on specific or generic buildings



Tunnels and Mines

Tunnels can be modelled as cylindrical excavations in soil

	XDisp	XDisp Pro
Excavations	✓	✓
Mines	✓	✓
Tunnels	✓	✓
Building Damage Assessment (specific & generic)	✓	✓
Utility Damage Assessment (specific & generic)	✓	✓
Rail Damage Assessment	✓	✓
Staged Construction		✓
COM		✓
Bulk Chart Export		✓



Request a trial from oasys-software.com today

Part of the Oasys Soil Movement & Stability Suite

Pdisp

For soil displacement analysis, soil settlement calculations and soil displacement design

Safe

2D finite element analysis for a range of geotechnical solutions

Siren

Site response analysis to calculate the soil response, to specified ground movement

Slope

Providing accurate ways to analyse slope stability and check reinforcements

Xdisp

Predicting ground movement, settlement analysis and structural damage

How XDisp works

Inputs: Tabular inputs allow you to import data, geometries and damage criteria. Additionally, DXF imports can be used to input geometry for tunnels, excavations and utilities with accuracy. Stages can be input to enable the user to understand how displacements and damage change as the excavations advance.

Analysis: XDisp predicts ground movements as a result of all kinds of excavations, including tunnels, basements, mines and embedded walls. It then uses these soil movements to assess building, rail, and utility damage, eliminating the need for separate analysis programs or multiple spreadsheets. You can use pre-programmed ground movement curves from Ciria C760 or input your own criteria. Building damage criteria are available from Burland (1995). XDisp 20.0 embraces the multicore processing capabilities of your hardware, ensuring the fastest possible analysis processing and results.

Outputs: Interactive 3D graphics make it easy to check and interpret the results, as well as providing clear information for designers, contractors and clients. XDisp 20.2 goes further by animating 3D graphics to show the impact of progression of stages. The results of building and utility damage results can be exported with ease with Bulk Chart Export tools.



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