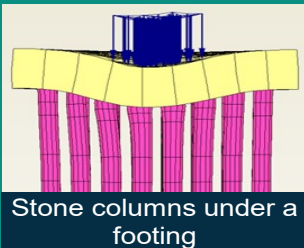
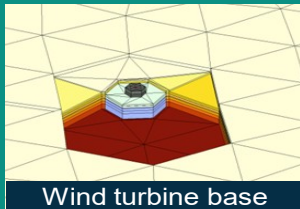
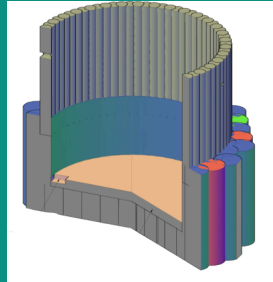


Ground movements around a basement



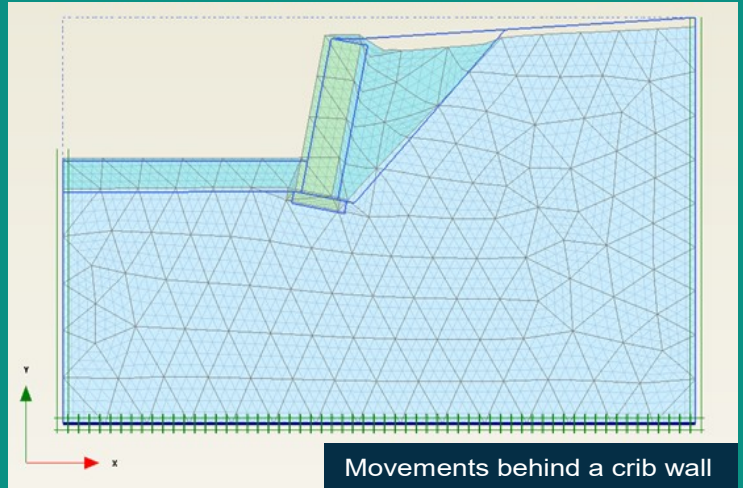
Stone columns under a footing



Wind turbine base



Pile & jet-grouted shafts



Movements behind a crib wall

Advanced Methods

FINITE ELEMENT ANALYSIS (FEA)

- A powerful numerical method that can calculate the stress and strain changes in the ground and structural elements due to changes in load, ground water material properties etc.
- Value is created when FEA is used to sharpen the designer's intuition therefore practical experience should be a pre-requisite to its use.

Advanced Geotechnical Design

Advanced geotechnical design is particularly suited for:-

- Prediction of ground movements - manage movement risk to adjacent structures;
- Optimising design for maximum value - benefit from structural elements that are in close proximity and influence each other;
- Developing alternative solutions - demonstrate better value and reduce cost, time & risk to win the project;
- Assess the benefit from time dependent effects - e.g. the settlement of embankments, heave and settlement due to basement excavation and staged application of building loads.

What we will do:-

- Fully review your project, bringing together our extensive construction and design experience to derive the most efficient design strategy;
- Consider if there are alternative options to achieve your project aims with better value;
- At Tender Stage, provide you with the backup to price and sell you solution to win the work;
- At Construction Stage prepare a rigorous design and supporting documents to enable you to concentrate on the construction.

Contact us today to find out what we can do to support your project.

CONTACT US

London & Midlands North & Scotland
0207 206 2576 01423 589500
01788 211778
admin@RemedyGeotechnics.com
www.remedygeotechnics.com
Follow Us @RemGeotechnics / LinkedIn