

Company overview

Terratek

www.terratekinc.com



Introduction

Founded in 2000, Terratek offers a wide range of engineering consultancy and design services for different infrastructure sectors, namely:

- Building
- Energy
- Mining
- Railways
- Highways
- Water & sewage
- Oil & gas

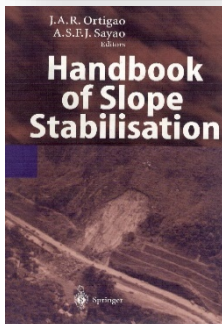
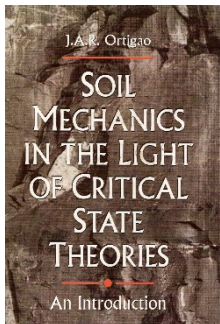
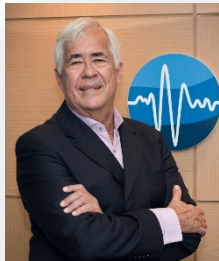
Terratek's experience covers a wide range of subjects, such as geotechnics, structural, hydraulic, transport engineering. Terratek skills include advanced numerical modelling and BIM (Building Information Modelling) design.

Terratek's foundation

After a career as a researcher and academic Dr Alberto Ortigao founded Terratek in Rio de Janeiro in 2000. He is a Fellow of the ICE Institute of Civil Engineers. He brings to the company +50 years' experience on infrastructure projects, such as: foundations, excavations, slopes, embankments, tunnels and dams.

Prior to Terratek, he was an Associate Professor at the Federal University of Rio de Janeiro, visiting researcher and lecturer at: the Building Research Establishment, UK (BRE); the University of British Columbia, Canada (UBC); the City University of Hong Kong and the University of Western Sydney, Australia.

During his academic career he published extensively and authored a text-book: *Soil Mechanics in the Light of Critical State Theories* (Balkema) and the *Handbook of Slope Stabilisation* (Springer Verlag).

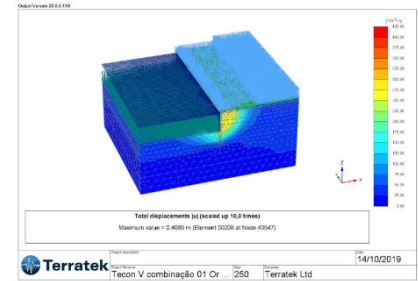
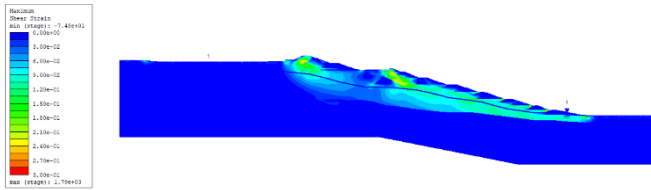


Worldclass services with competitive prices

Terratek has provided consultancy services at very competitive prices for clients located in many countries, including Italy, UK, Hong Kong, Malaysia, Guyana, Uruguay, Peru, Ecuador, Bolivia, Colombia, Argentina, Trinidad.

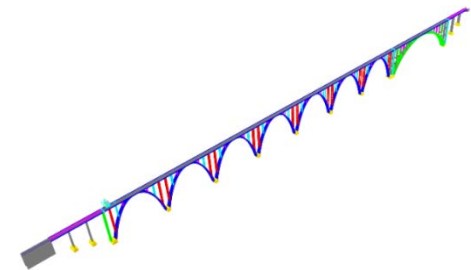
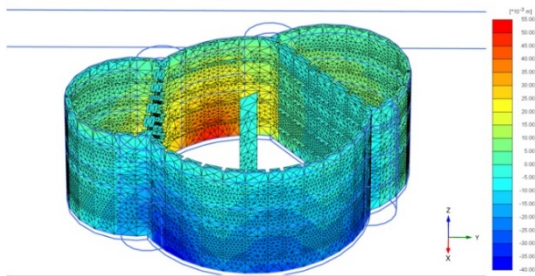
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Terratek's skills: advanced numerical modelling



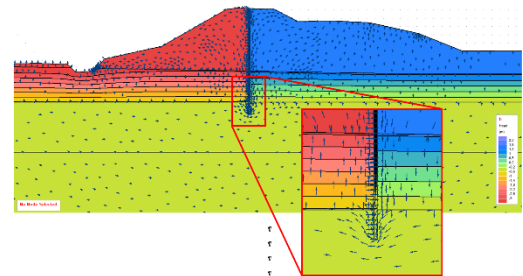
Santos Harbour, Brazil

Liquefaction analyses BSS Dam, Brazil



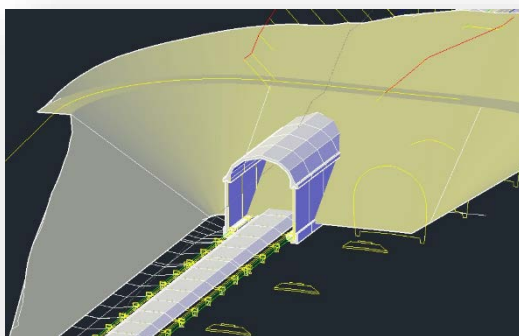
Papagaios Viaduct, Rumo Railways, SP, Brazil

Deep excavation analyses, Rio de Janeiro



Rosolina Embankment, Italy

BIM design



BIM design, Railway cut-and-cover tunnel, Rumo Railway, SP

Selected projects



Trial Embankment on tailings



Morro do Ouro Tailings Dam



Areal Dam 30 MW



São Paulo Airport, Brazil



Porto Alegre Airport, Brazil



Victoria Harbour, Brazil



Crusher, Toquepala Mine, Peru



Cerrillos tunnel, Bolivia



Bridge Bintulo Road, Malaysia



Carajás Railway



Dynamic analysis, Great Gabbard
Windfarm, UK



Varnhagen Square Reservoir, Brazil



Offshore structure, Talara, Peru



Sir Solomon Hochoy Highway, Trinidad



Demerara Bridge, Georgetown, Guyana

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