

GEOHART is a Geotechnical Consultancy specialising in the following areas:

- Open Cut Mine Slope Stability Assessments
- Slope Stability (Road & Rail Cuttings)
- Tunnelling and Shaft Assessments / Reviews
- Underground Mining Rock Mechanics Reviews

GEOHART was founded and established in 2009 by Wouter Hartman – Principal Geotechnical Engineer, who has more than 20 years industry experience in exploration, underground and open-cut mining operations, mining and civil tunnelling consulting industries in UAE, Dubai, Chile, Australia, Indonesia and South Africa.



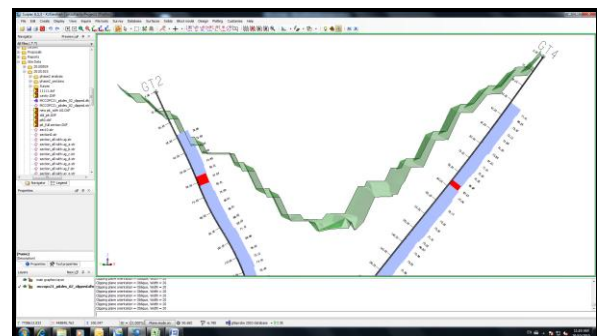
**Geotechnical logging of core.**

The geotechnical data is assessed and reworked to produce a rockmass classification. The rockmass classification and empirically derived slope angles are displayed in a format where the client can easily recognise design problems.



**Core Drilling - North Queensland.**

Geohart specialises in site geotechnical drilling supervision and logging. The core is geotechnically logged and analysed.



**Rock Mass Rating values used to evaluate designed open cut slopes.**

Geohart further assists clients with daily site operation and slope stability assessments.

## GEOHART CONSULTANTS Pty Ltd

ABN: 28 979 550 809 / ACN: 137 859 128  
<http://www.geohartconsultants.com.au>

**Melbourne:** Bld 4, Suite 24,  
 195 Wellington Road,  
 Clayton, VIC 3168 Australia  
 Tel: +61 (3) 9574 8377  
 Fax: +61 (3) 9923 2746

**Brisbane:** Bld 1, 747 Lytton Road,  
 Murrarie QLD 4172 Australia  
 Tel: +61 (7) 3117 3782  
 Fax: +61 (7) 3117 3797

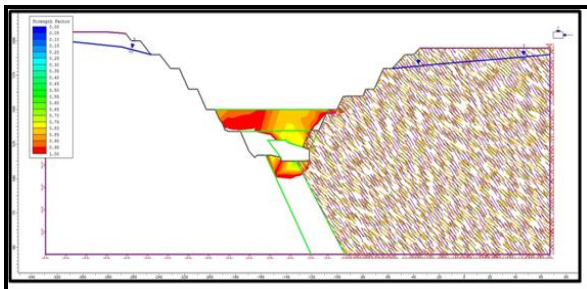
**Auckland:** PO Box 35929, Browns Bay  
 0753, North Shore, Auckland, New  
 Zealand  
 Tel: +64 21412610

The assistance can be in the format of regular in-pit and waste dump inspections.



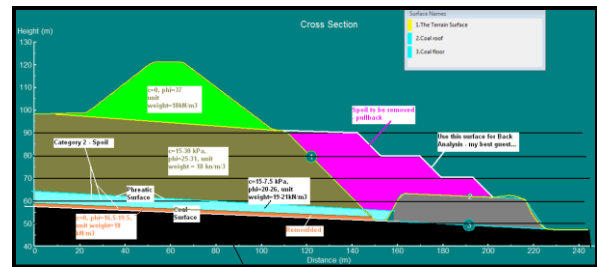
**Open cut final bench blast preparation.**

Geohart assesses overall risks, such as potential old underground mine workings, which may cause potential future slope instability.



**Phase<sup>2</sup> numerical analysis of underground cavity for pit bottom and slope stability.**

Spoil removal for coal extraction is an art and could sometimes lead to instability. Geohart Consultants is capable of assessing a variety of problems using limit equilibrium analysis software like Slide (similar to Slope-W).



**Slope Stability limit equilibrium 2D model.**

#### Geohart Specific Services:

- Site Geotechnical Investigations and Reporting
- Mine Geotechnical Program Review
- Geotechnical Project Management for Feasibility Projects
- Ground Control Management Plan (GCMP) Development and Reviews
- Slope Stability Analysis, Design and Review
- Waste Dump Design
- Risk Assessments (Activity and Process orientated) and ground related Incident Investigation
- Training – Geotechnical Training – Mine Management, Shift Supervisors, Geotechnical Personnel

For more information, please contact:

**Wouter Hartman (MBA, MSc, BSc (Hons))**  
Principal Geotechnical Engineer - GEOHART  
AGS, ISRM, EAGCG, ATS

**Melbourne – Victoria (Australia):**  
Bld 4, Suite 24, 195 Wellington Road,  
Clayton VIC 3168 Australia  
Office: +61 9574 8377  
Mobile: +61 418 425 069  
Fax: +61 3 9923 2746  
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