

# CV – Dennis Riley



Name

**Dennis Riley**

Position

**Managing Director,  
Senior Principal  
Geotechnical  
Engineer**

Year of

*commencement with  
Morrison Geotechnic*  
**1999**

## Qualifications & Affiliations

B.Sc. (Civil Eng) (University of Cape Town)  
M.Eng.Sc. (University of Melbourne)

Registered Professional Engineer Queensland  
(RPEQ 5641)

Chartered Professional Engineer (CPEng)

Fellow: Institution of Engineers Australia (FIEAust)

Member:  
Australian Geomechanics Society (AGS);

National Professional Engineers Register  
(NPER – Civil)

Dennis Riley is a Senior Principal Geotechnical Engineer and the Managing Director of Morrison Geotechnic with over 35 years professional experience in geotechnical engineering in Africa, UK, Australia, and South-East Asia. He has been involved with geotechnical studies for power generation projects, cement plants, high rise building projects, roads and bridges, dams, land reclamation projects, infrastructure projects, resorts, and mixed developments. Dennis has extensive experience in earthworks for large civil projects, bored pile and barrette foundations, deep basement support systems, deterministic and probabilistic slope stability assessment and engineering of soft soils and in karstic limestone formations.

Areas of special interest include quantitative and qualitative risk assessments, embankments and water retaining structures, piled foundations, foundation engineering, soft soil engineering, forensic engineering and expert witness studies for failed slopes, excavations and workplace accidents involving geotechnical failures.

With professional development in both a geotechnical consulting environment and a contracting environment, Dennis understands the necessity to formulate innovative or state-of-the-art geotechnical design solutions that are practical, easy and safe to construct and cost effective.

## Major Project Experience Principal Geotechnical Consultant

- Varsity Lakes and Springfield Lakes Residential and Commercial Development Projects  
Geotechnical investigations, analysis and advice for land reclamations, revetments, roads, cut and fill earthworks, residential and commercial buildings, canals and bridges

## Major Project Experience (cont)

- Westgate Police Academy Project, Wacol  
Geotechnical investigation, analysis and reporting for new police training facility, involving multi-level buildings, with basements, and associated infrastructure.
- Waterfront Residential Developments, Newstead  
Geotechnical investigation, analysis and reporting for multi-storey unit buildings with deep basements in a soft clay environment.
- Rolleston Branch Line Remediation Project  
Repairs to Rail Track and Bridge Abutments after Jan, 2011 Flood Damage in a 7 Week Period. Geotechnical analysis and design of bridge abutment repair works to allow rail bridges to be rapidly reopened to coal traffic.  
Involved in the use of concrete filled containers and river bank stabilisation works as temporary stage reconstruction with permanent works at a later time, after recommissioning to coal traffic.
- Forensic Engineering Studies  
Investigation into fatal workplace accidents involving geotechnical engineering causes.
- Expert Witness Reports  
Preparation of numerous expert witness reports for use in litigation matters involving geotechnical matters.
- Gold Coast Landslides  
Emergency Response and repair work for land and houses affected by the Gold Coast landslides in 2008, response advice, geotechnical assessments, analysis, design and final stability analyses of numerous houses affected by the 2008 landslides, including repair and mitigation works.
- Optus Telecommunications Towers, North Queensland  
Geotechnical investigation, analysis and reporting for monopole and lattice tower structures in various geotechnical conditions, subject to vertical and lateral loads.
- Large Scale Developments of Greenfield Land Sites in SE Queensland into Residential Subdivisions  
Landform assessments and slope stability assessments for developments on steep slopes and in areas of documented past landslide activity.