

GEOHART CONSULTANTS is an Australian owned medium sized geotechnical firm established in 2008 by Wouter Hartman – Principal Geotechnical Engineer. Since its establishment, the firm has contributed significantly to the field of geotechnical engineering and project management in both civil and mining sectors.

Relevant fields of expertise that might be applicable within the council's area of responsibility are:

Vibration and noise monitoring

- Blasting / Construction operations may cause excessive disturbance in noise-sensitive places and discomfort to people living in or using the surrounding area. This is applicable especially in areas in proximity of mines, quarries or large earthworks.
- We provide a ground vibration peak particle velocity monitoring service to monitor vibration and airblast overpressure level associated with drill and blast operations. Our team is capable of monitoring peak particle velocities and overpressure, allowing for determination of appropriate blasting times.



Vibration monitoring.

Soil condition

- Soil properties assessment, evaluation and remedial measures recommendations adequate to the planned utilization purpose.



DCP Testing.

- Hydrological investigations including design rainfall data evaluation and incorporation into the design of water storage facilities, tailing dams, and sediment transport studies.



Water monitoring.

- Instrumentation, analysis and data interpretation regarding monitoring of soil dewatering and depressurisation in areas overlaying deep excavations.
- Hydraulic structure monitoring and water

management particularly hydraulic grade line level, and spillway structures for embankment and earthfill dams.

ensuring an appropriate solution to the encountered issue.

Drain and cavity inspection

- Pipes and drains blockage investigation (See-Snake) with immediate feedback as to the cause of the blockage as well as provision of a permanent record.

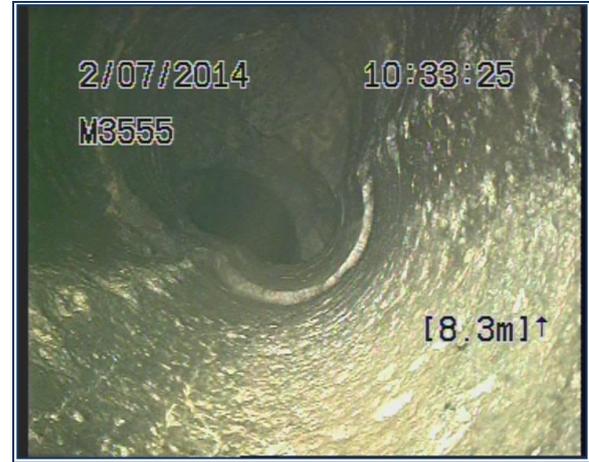


SeeSnake standard reel and inspection camera head.



SeeSnake camera head.

Lively animated images for detailed internal inspection can be played at any time from an ordinary USB. This will add value to the accuracy and efficiency of determining the cause of blockage or malfunctioning and hence



See-Snake inspection record.

- Ground movement monitoring and ground support including road and railway cuttings.
- Investigation and remedial measures for tunnels, tunnel roads, and associated excavations.
- Geotechnical assessments and review of geotechnical designs

