



IGS News

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Geotechnical Services

CPT & Piezocone

Dilatometer

Seismic Dilatometer

Vane Shear

Tee-Bar

Eziprobe Sampling

Piezometer Installation

In Situ Permeability

Field Fleet ("the girls")

Esme – 10-20t all-terrain



Beryl – 15t 4 wheel drive



Eunice – 20t 6x4 bogey



Baby Jayne – 15t portable



IGS is now based in Sydney as well as Brisbane – big news!!

IGS now operates from Sydney as well as from Brisbane. At least one rig will always be available for projects at a local establishment charge for work in Sydney and surrounds.

This offers cost advantages for work inside or outside of Sydney. The principle is as follows: If the calculated establishment charge is cheaper from Sydney, then that charge will apply, whether the rig actually travels from Sydney or from elsewhere.

This amounts to a "virtual Sydney base" for all of our rigs, not just our rig that is actually positioned in Sydney at any particular time. The whole IGS fleet (see pics on left) is potentially available on this basis.

Obviously this also reduces the cost for interstate work established out of Sydney.

New Testing & Sampling Systems

IGS has developed systems and equipment for some new in situ services for clients:

- Push-in installation of vibrating wire piezometers.
- Push-in sampling of shallow soils using our Eziprobe sampling equipment. Particularly well-suited to acid sulphate sampling.
- Push-in disposable tips that permit permeability testing in sands etc.

Each of these has already been successfully used on projects.

In only 2.2m headroom - 107 CPTs to 38m, in just 9 days Is this some sort of a world record?

Using our portable rig, IGS has undertaken a 9-day duration continuous 3-shift operation, working 24 hrs/day. We pushed 107 CPTs to depths up to 38m+.

- The headroom 2.2m. In a low-headroom car parking basement.
- The car park remained operational the whole time – often quite busy.
- The rig used was "Baby Jayne", jacked off ceiling beams – (see photo to left).
- Every test was pushed to refusal using 15t thrust.

The job was very successful. The client was engaged, happy and satisfied. Us too.

"Eunice" and "Esme" Can Travel as One

Our new 20t 6x4 rig Eunice has been designed to road-haul Esme, our all-terrain rig, if required.

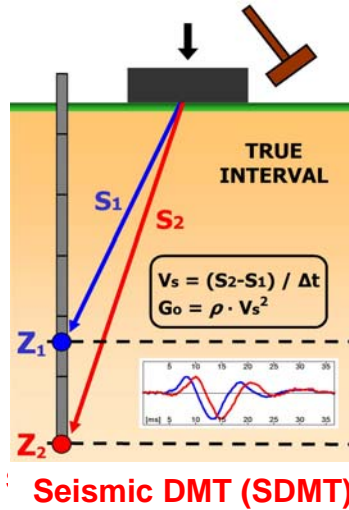
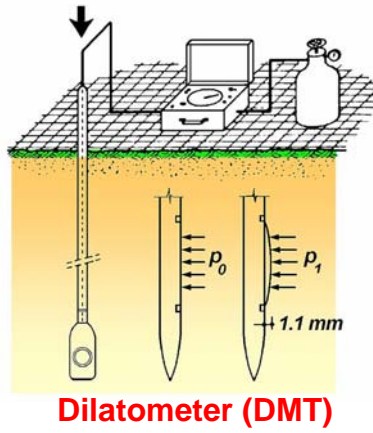
The two can establish as one for relevant projects. A potent combination on many sites.

The adjacent photo shows the two rigs travelling together to a current highway upgrade project.



reducing geotechnical uncertainty

Esme - 100-200kN
(adjustable)



IGS

reducing
geotechnical
uncertainty

Eunice - 150-200kN (adjustable)



Beryl - 150kN

