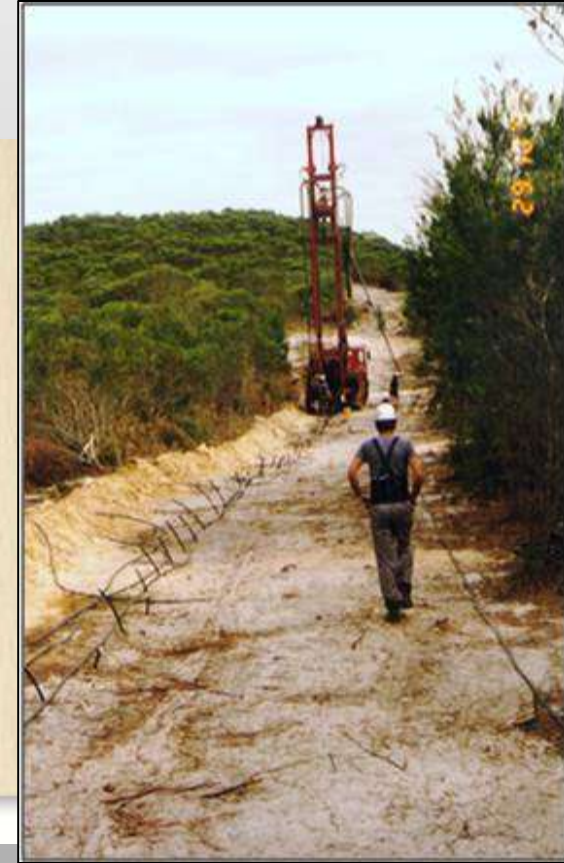




Welcome to GrouTech

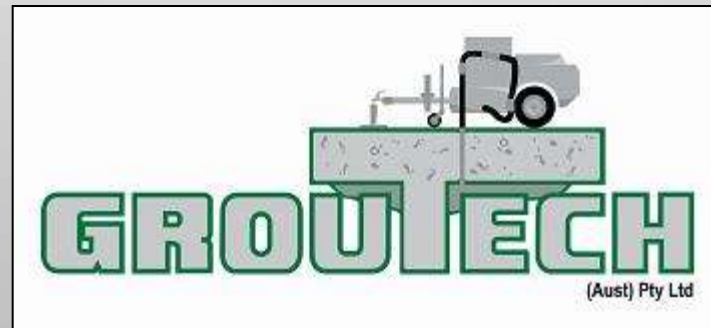
From
Mr Norm Howell



"Your pavement support or strata consolidation problem solved with downtime minimised or an invoice will not be raised...."

Please...

When you think grouting.....Think....



...Your Professional Grouting Company



Overview - GrouTech

Professional

- ✓ There's depth to the image
- ✓ Specialised Grouting designs
- ✓ Large volumes placed and in short time frames
- ✓ Large capacity equipment

Technical

- ✓ Knowledge to mix & place products that react and set
- ✓ An in depth understanding of grouts
- ✓ Pre site trials

Track Record

- ✓ Mining - Xstrata, BMA, Rio Tinto, Peabody & Anglo
- ✓ Commercial & Industrial - Q Rail, Main Roads
- ✓ Ports Corporation, Eastern Pipeline Alliance
- ✓ Origin, Santos, Boral, Coke a Cola, ABB, Hanson

Void formation below slabs

- Pumping of fines causing voids to form



Re-support slabs, save on slab removal replacement and disruption delays

Void filling – Safety and Productivity

Where?

- Sites with heavy or dynamic loads
- Sites with water problems
- Swampy sites with poor sub-base



- Slab life extended
- Site delays and closure prevented

Void filling Bridges – Road Safety



Re-level & support
relieving slabs for safety

Void filling Gateway Bridge - Brisbane



No Delays to Traffic

Void filling Rail Culverts

Rail transport for coal
mines



Road Culverts



This grouting saved catastrophic failure during the wet season

Subsided Industrial Slabs - Safety and Productivity



Re-level subsided slabs
taking away tripping hazards and
loads falling from forklifts

Subsided Slabs Re-levelled

Controlled Lifting



No downtime or yard closure –
job completed in one shift

Mine Fault Zone Pre-Consolidation – Safety



Surface to Seam
Longwall Coal
Mines

Pre – Consolidate for Safety and Productivity



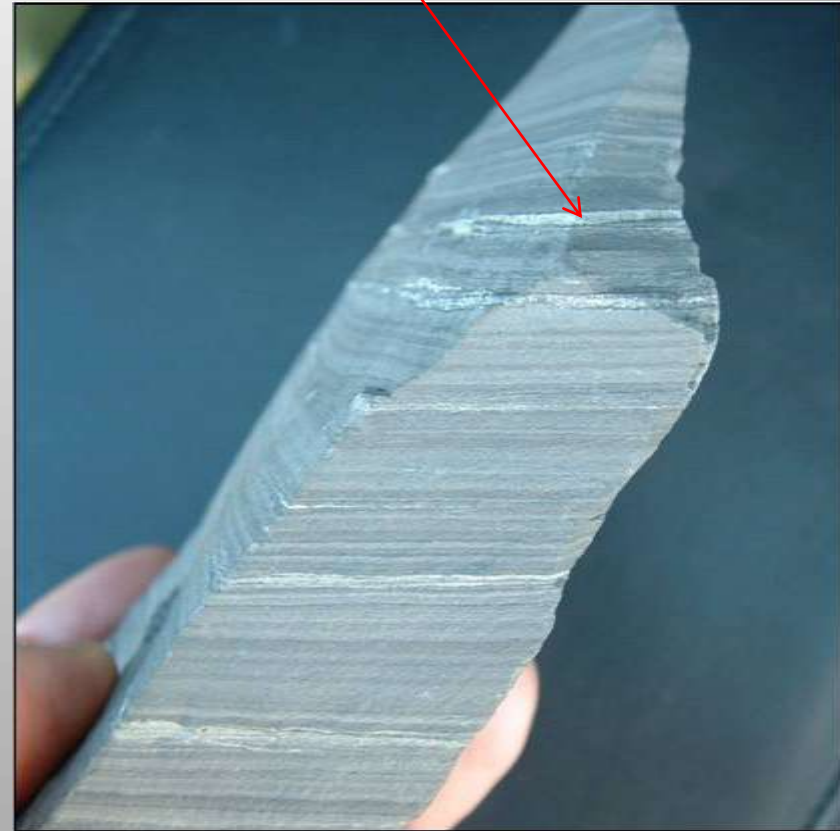
- Over 300 metres in depth
- Pre-consolidate by pressure grouting
- Improve strata 15 metres above seam

Grout Penetration in Faulted Strata

Siltstone/Mudstone
From roof above seam



Grout in strata



Coal Mine - Spontaneous Combustion Control



Crane Rail Support – Time is money

All of this placed in a couple of hours!



Attention to detail



Large Capacity Non Shrink Grouting



- 500 litres per batch
- A pallet of grout per mix!
- 6 cubic metres placed in 80 minutes
- Grouts that set in less than 10 minutes



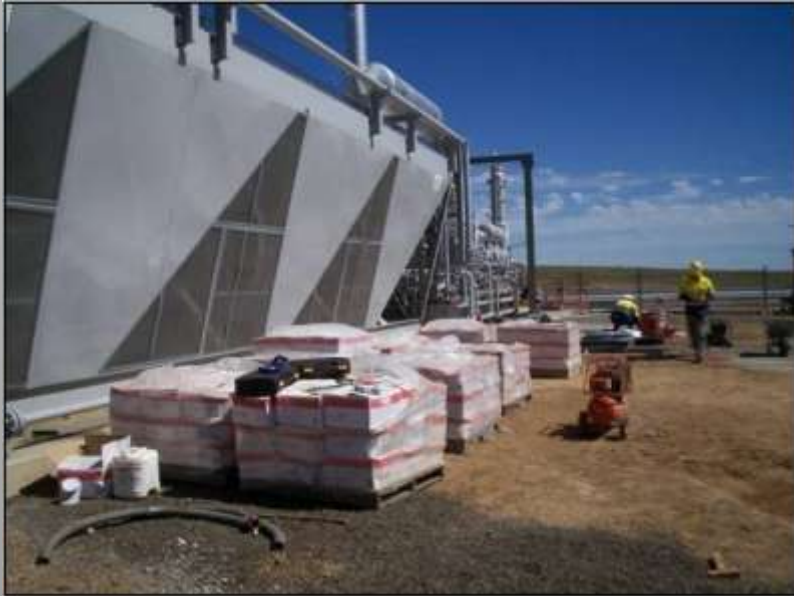
Dam Construction Non-Shrink



- Large volumes placed to meet your schedule
- High capacity



Gas Compressor Bases



- Coal Seam Gas Compressor Base
- 3,600 litres epoxy grout in less than 1 hour



- Nonshrink grouting

Gas Compressor Bases



- Epoxy Grouting



Fines Subsidence Correction at Weipa Dump Hopper

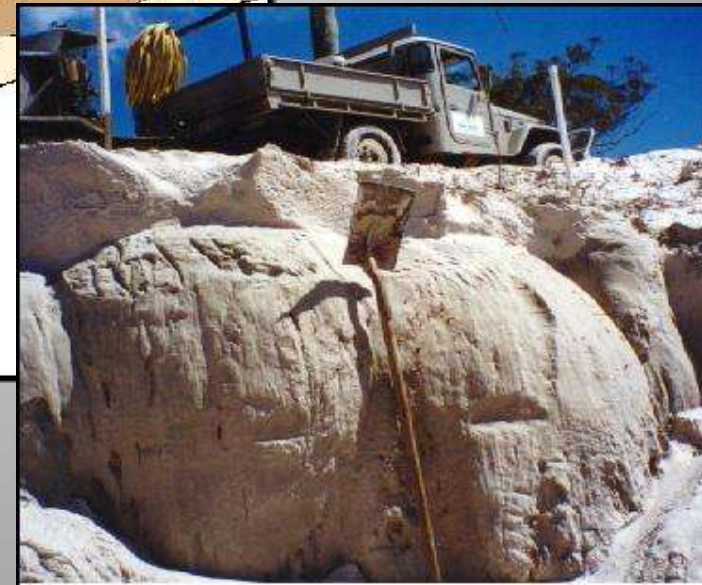
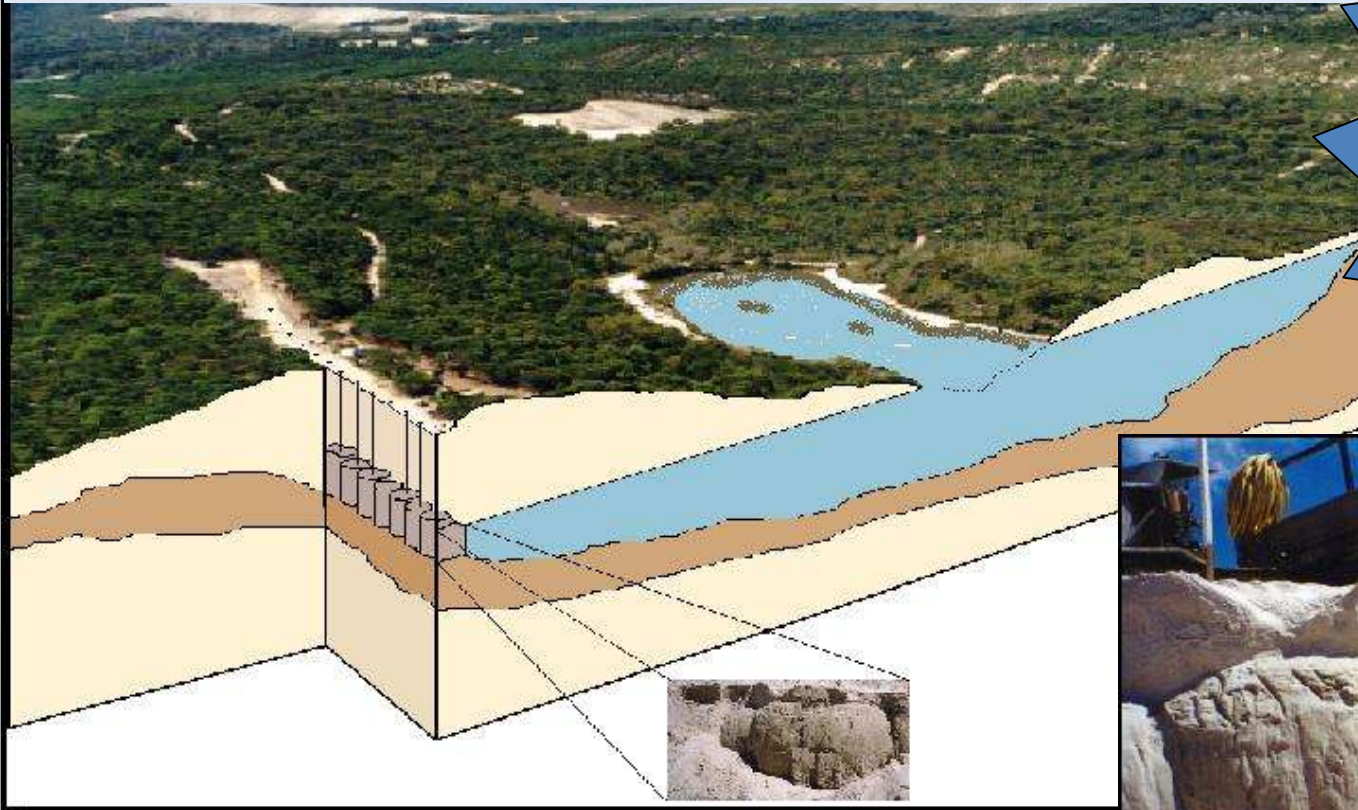


- 400mm subsidence correction
- Consolidation of fill material

Environmental Damage Repair

Lake Kounpee Stradbroke Island Brisbane!

- World first
- Unique



- Underground dam construction
- Dam Size 275m x 12m x 1.5m
- Constructed 50m below the surface
- In sand!

Underground Dam Wall Leeching Control



- Solidify sand
- Increase bearing capacity
- Reduce permeability

Quintel Beach Indigenous Community - Wharf Repairs



- Maintaining access during wet season

Professional Personnel and Quality In House Training



Written procedures for all services & products

Theory & Practical
Training & Testing

Valuable - Details

GrouTech (Aust) Pty Ltd

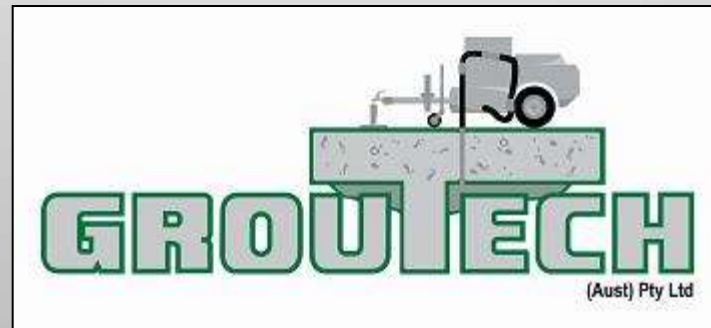
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So in closing...

When you think grouting.....Think....



...Your Professional Grouting Company

Thank you for your time.....

