

ISM Krakow, Poland 2014

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Retail Project South Wales (Atlantis Found !!)

Mezzanine Foundations







Retail Project South Wales

Escalator Excavation







Retail Project South Wales

Underground Void







Retail Project South Wales – Never Give Up!!

Some of them made it to the virgin ground







Aluminium Recycling Plant, Northwest UK

Sonic Micropiles & Ground Consolidation to support crane base









St Georges Road, London

Grouted Micropiles for five storey mixed use building









Hexel Composites Factory, Cambridge

Grouted Micropiles (modified)









Hexel Composites Factory, Cambridge

Grouted Micropiles (modified)







Glen Lyon

Grouted Micropiles



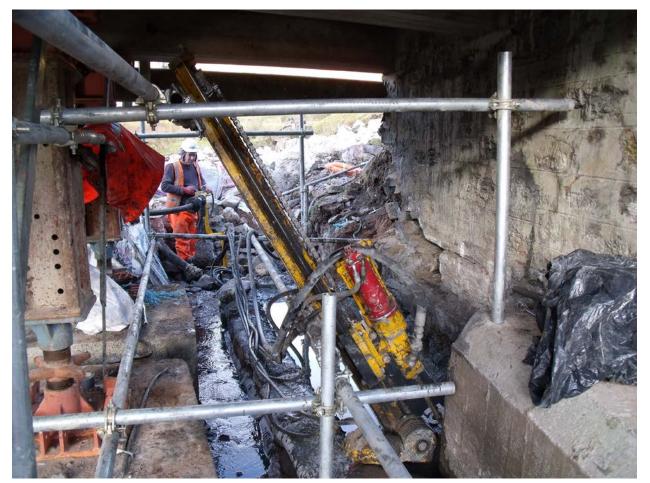






Glen Lyon

Grouted Micropiles







Conclusion

- Variety is indeed the spice of life.
 Versatility / flexibility is the key
- Solutions featured include:
 - Sonic resonance installation techniques
 - Modified Hollow Bar / Self Drill
 - Water / Grout / Air Flushing Mediums
 - Diamond Coring / Head & DTHH Percussion





Micropiling

- Key ingredients are:
 - The use at some stage of grout (for best results throughout - modified).
 - For best geotechnical enhancement the presence of non-cohesive soils.
- Case Studies highlight the importance of good quality SI and procurement procedures.



