ISM Krakow, Poland 2014

Paul Woodfield
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.