

# Fugro Engineering Services Limited

## AUTOMATIC BALLAST SAMPLING (ABS)



*See over for more Rail Investigation Services*



- Rapid Trackbed ABS system
- Sampling upto 5m below track
- Experienced Drilling Teams
- 20 to 30 samples per night shift
- Full Ballast descriptions by experienced engineers
- Recent Projects

- ➔ Stockport to Stafford (WCRM) Route 12
- ➔ Stockport to Crewe (WCRM) Route 7
- ➔ Watford to Bletchley (WCRM)
- ➔ East Anglian Zone embankment investigation

The Fugro Group is an international organisation with around seven thousand staff in over fifty countries. Our major disciplines are Geotechnics, Environmental Services and Survey.

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## TRACKBED & GEOTECHNICAL INVESTIGATION CAPABILITIES



Fugro are able to offer a wide range of trackbed & geotechnical investigation services including Geophysical investigations using Ground Probing Radar (GPR), Shallow Sampling - Automatic Ballast Sampling (known as ABS) to very deep investigation holes down to 30m depth. The methods of trackbed and subgrade (soil) investigation are tailored to the limited track access times, using Cone Penetration Testing (CPT) as well as rapid drilling methods using low headroom rigs.



**GPR**  
EMC Certified



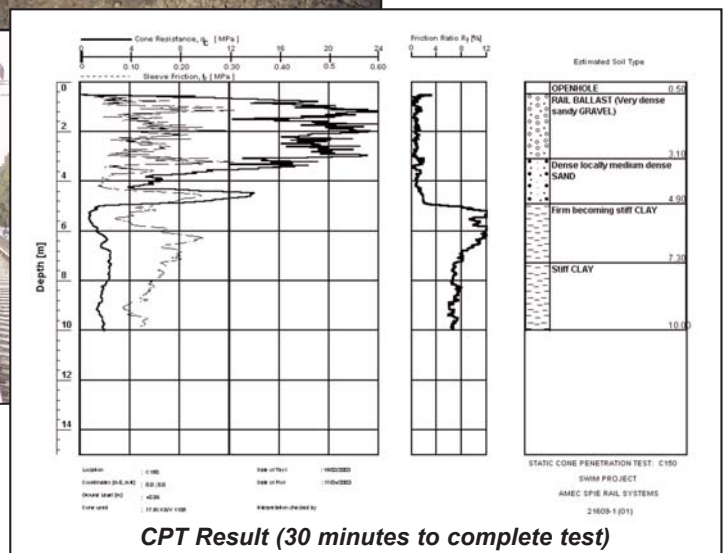
**ABS**



**Drilling**  
Trackside



**VAB Certified CPT Rail Rig**



Details of services and specifications may change without notice.

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Ref: A8-ABS-Trackbed Investigations

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