

Share with Pride :

Use of RSS magnetic fencing on The Great Western Electrification Programme



amey

Background



- Collaborative approach taken between NR, Amey as PC and contractors working on the Great Western Programme
- Initially agreed to set “site warden” as the minimum acceptable Safe System Of Work that could be implemented with Director approval.
- Current iteration of the GWE Track Access Policy drives the standard higher with use of fencing as a minimum.
- RSS Magnetically attached fencing was selected.

Track Access Policy



Hierarchy by NR/L2/OHS/0019
Safety of People Working on or near the line

- Possession
- Line Block
- Fenced
- Site Warden
- Equipment Warning
- Lookout Warning

Not in scope of NR/L2/OHS/0019

- Walking as a group
- Crossing open lines or traversing Limited Clearance areas using look-out warning SSOW

GWEp Policy



Apply for permission

Apply for permission



Apply for permission

Magnetically Attached Safety Barrier



STANCHION ATTACHED TO WEB OF RAIL



TRYING TO PUSH IT OVER AT BEESTON TRIAL



WITHOUT SUCCESS !

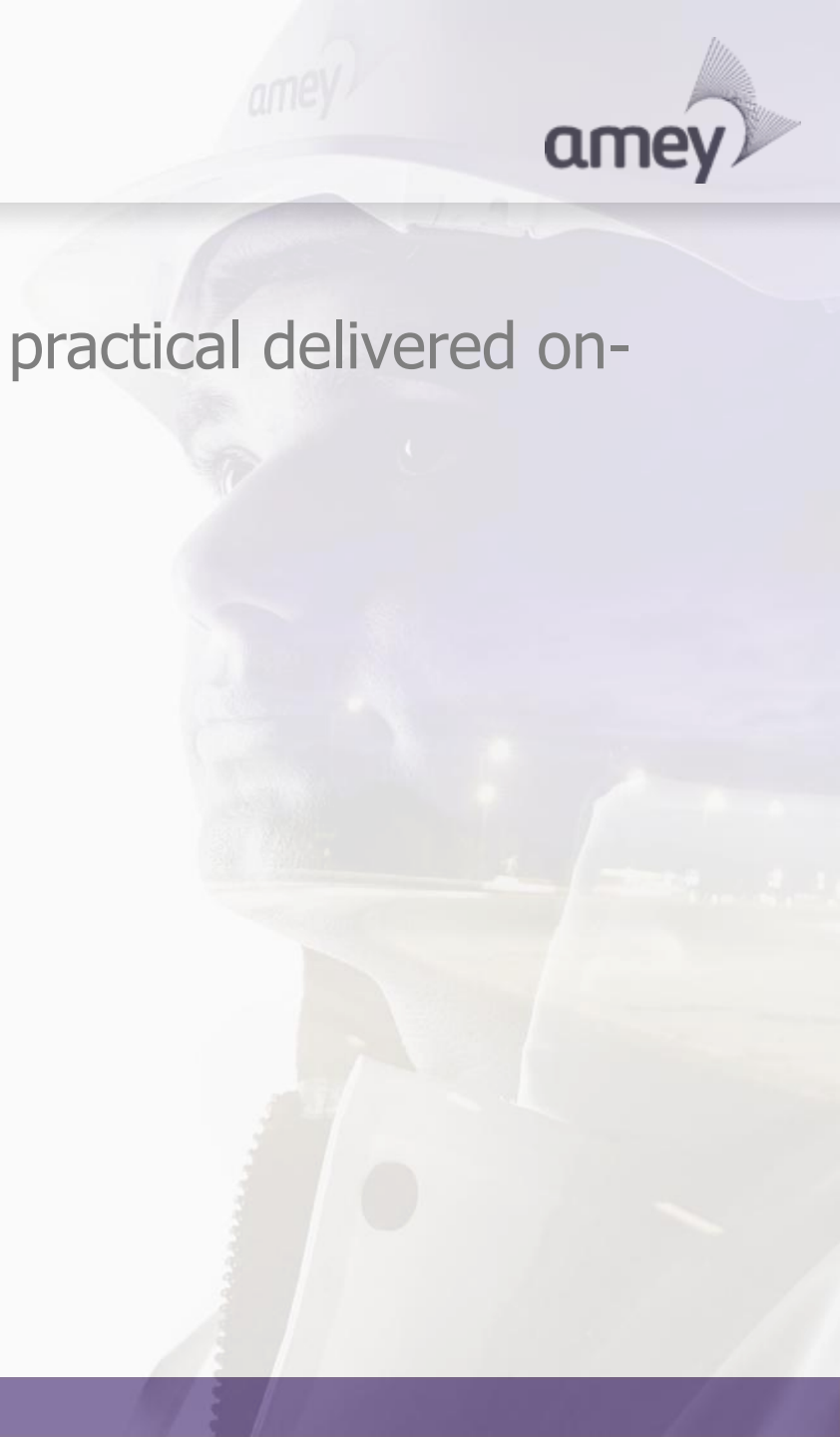
Steps Taken



1. Collaborative workshops held with key contractor representatives
2. All-party agreement reached on the policy
3. NR then went "the extra mile" :
 - Great Western Project Director purchased 2000m of the fence so there was a resource available for contractors to deploy so there was no need for any "phase-in" period
4. Supplier trained key project staff as Trainers
5. Training rolled out as requested by contractors

Training

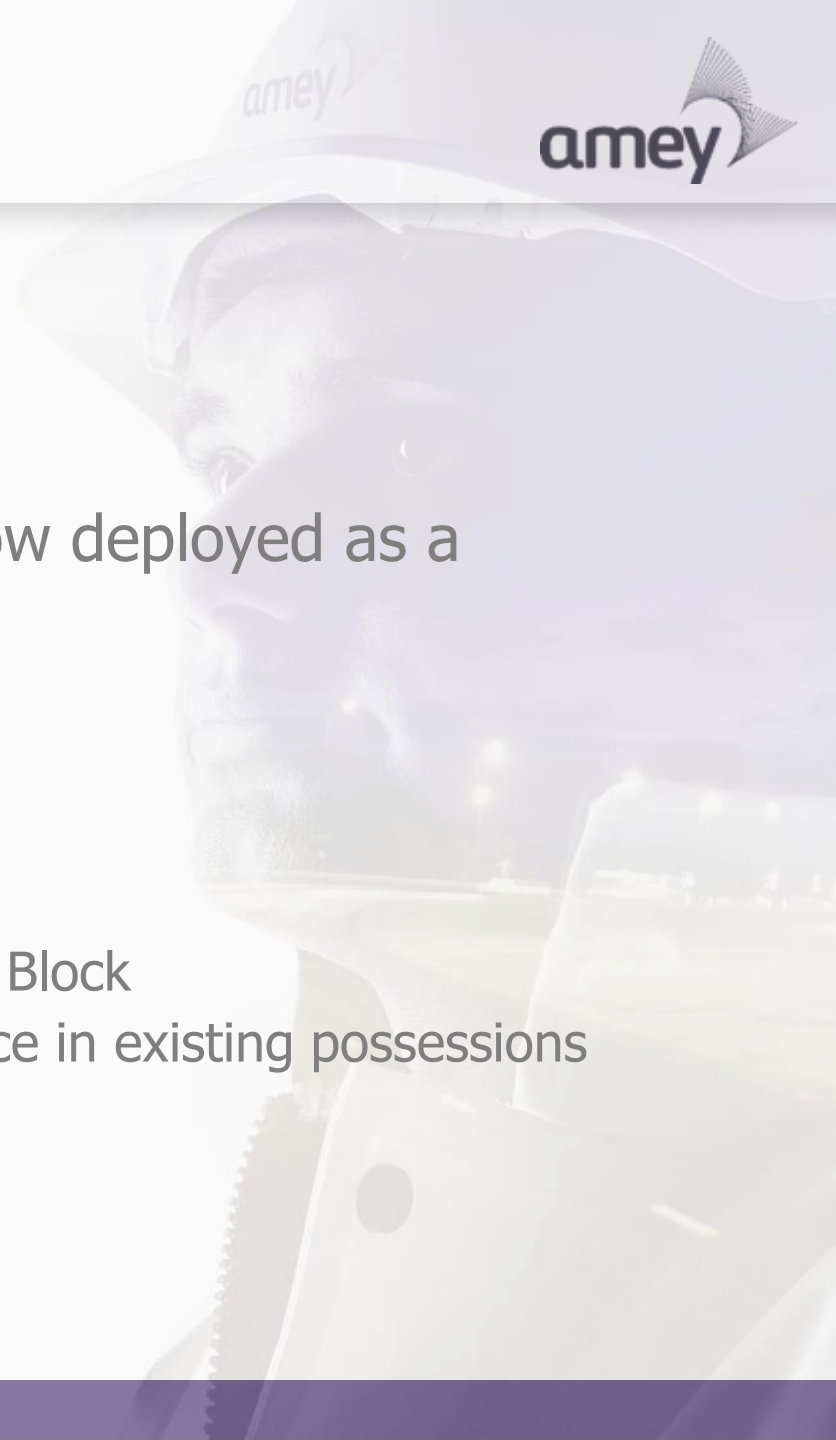
- Short Presentation & hands-on practical delivered on-track in depot environment



Magnetic Fence Benefits



- Safer Working Environment
- Very portable
- Cost effective – Site Warden now deployed as a working member of the gang
- Very little to maintain
- No need for tools
- Non-disruptive solution :
 - 50m erection in a 10 minute Line Block
 - Teams on night shift erecting fence in existing possessions



Deployment for Trail Holes

- Suggest 3x stanchions, 4x3m poles to give a 6m fenced zone
- Deployed for trial hole teams:
 - 2 x ops carry the poles
 - 3x ops carry a stanchion & shovel
 - 10 min line block to erect stanchions





*Magnetic RSS Fencing
deployed by Veg
Clearance Contractor*

Summary

- Quick to erect
- Robust
- Non-disruptive
- Keeps workers apart from trains



For Further Information :

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