

PIPELINE REFURBISHMENT SERVICES



Advanced Engineering Solutions are specialists in asset management for the Pipeline industry. The Company carries out condition assessment activities on pipelines using a range of purpose developed or commercially available inspection tools to investigate pipe coating and pipe wall condition.

Following visual assessment or NDT inspection it may be necessary to replace or refurbish joint bolts, anchorage assemblies, support brackets, together with pipe coating and wrapping systems. Foot bridges associated with the pipe work may also require refurbishment. Each of these requirements can be met.

AESL COATING APPROVALS

The coating process can include grit blasting, pipe wrapping and painting using two pack epoxy-coating systems. The Company is approved to apply Winn and Coales Denso Steelcoat 100, 400 and 700 systems.

The products included are Denso:

- High Tack Primer and Tape
- Profiling Mastic
- Penetrating Primer
- Ultraseal Tape
- Acrylic Topcoat
- ST.Epoxy and Stripe Coat
- Weathershield



PIPE CROSSING FOOTPATH PRIOR TO RECOATING

THE PROCESS

Visual inspection may suffice to allow recognition of the requirement for remedial activities on the pipe coating. The pipeline condition assessment process may also identify particular deficiencies in the pipe coating, which are leading to pipe wall corrosion. The painting and coating systems provided are designed to provide a service life of between ten and fifty years, depending upon the system and the environmental conditions.

Access arrangements are put in place by AESL, using scaffolding installed by specialist contractors, or 'access' platforms where these are more suitable.

LAND ACCESS AND ENVIRONMENTAL ISSUES

Pipeline refurbishment activities will commonly require agreement for appropriate access by the landowner, and may require specific issues to be addressed, when for example the pipe and associated structures are in close proximity to railway lines or motorways. In the proximity of rivers it is common for environment agency approvals to be required. AESL is well experienced in ensuring that these diverse requirements are met.



TYPICAL JOINT SHOWING PRIMER, HI-TACK TAPE AND ULTRASEAL TAPE

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