MICROTUNNELLING AT CHP (COMBINED HEAT & POWER)
PIPELINE TUNNELS AND SHAFTS

Client:
E-ON

Summary:
Microtunnelling at CHP Pipeline Tunnels and Shafts

PROJECT DETAILS
MICROTUNNELLING
As part of the E-on upgrade of Grain Power Station, a new CHP pipeline was to be constructed. To facilitate the passage of the new CHP pipeline below the existing Cryogenic pipelines (of strategic national importance) and the B2001 road, A E Yates Trenchless Solutions Ltd were contracted to undertake the following specialist works:

- 2No 9.0m id x 25m deep segmental shafts.
- 2No 145m (twin) 1800id slurry tunnels with our Herrenknecht machine, B2001.
- 2No 120m (twin) 1800id slurry tunnels with our Herrenknecht machine. Cryogenic

All 4No tunnels will be constructed using DN2000 GRP jacking pipes.

SPECIFIC DIFFICULTIES
- The 2No 120m long tunnels are constructed at an 8 degrees uphill gradient.

GROUND CONDITIONS
- Predominantly firm to stiff London clay