

**CASE  
STUDY**

**Client** NACAP Land and Marine

**Project date**

**Case Study date** April 09

**Area**

**Budget**

**Project: 1220m Pipeline Felindre to Brecon**

**Services provided**

Site Investigation, flood risk assessment, bridge inspections, structural calculations.

**Description of project**

The pipeline, some 120km total length stretches across South Wales through wildlife conservation areas and national park and beautiful countryside. It will carry imported LNG (Liquefied natural gas) from the terminals at Milford haven to Britain's gas network.

Merebrook had various involvements with the project.

Bridge inspections - to ensure that remote bridges could cope with the plant requiring access.

Flood risk assessments both from the point of view of the construction phase and beyond and the impact the pipeline would have.

Design of deadman anchors for the pipe jacking, resisting pull out forces of up to 350T. A system of sheet piling was used to provide passive resistance.

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