



## CASE STUDY: 110kV Route Feasibility Study in Ireland for a UK Consultant



### PROJECT BRIEF

LSTC was commissioned by a UK Consultant to act as their sub consultant for a new 110kV overhead line route feasibility study in Ireland.

LSTC were responsible for identifying potential overhead line routes between two transmission stations. Following the identification of a preferred line route, based on engineering, environmental and social inputs coordinated by the client, LSTC prepared drawings for the preferred route. LSTC were also responsible for identifying overhead line substation entry options, including identifying any existing lines which would require diverting.

### LSTC'S APPROACH

To fulfil the client's needs, LSTC provided specialist engineering input into corridor and route selection. A senior engineer undertook site visits in Ireland to identify the primary engineering constraints within the identified corridors. Utilising the knowledge gained during the site visit, as well as aerial photography, OS mapping and residential records, potential overhead lines routes were devised within the preferred route corridors and route maps produced. These options were presented to the client and the preferred routes from an engineering perspective were recommended. The client then chose their preferred option in light of all expert knowledge they had sought.

For the preferred line option, LSTC will produce a line plan, profile drawings, an installation programme and access review, as well as input into the overhead line works cost report

### PROJECT OUTCOME

Regular correspondence with the client enabled us to maintain our successful working relationship and be responsive to the client's comments. Project ongoing (as of February 2011).



Further information available upon request.