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## Beauly Dounreay, Scottish Highlands

### Transmission Tower Ground Investigations

Our reputation and experience of working within the environmental constraints surrounding the power industry led to CGL being invited to tender for the 275kV overhead lines project. Babcock Networks, acting on behalf of Scottish and Southern Energy, subsequently appointed CGL to undertake the ground investigation works for 74 of the 474 towers spanning 153km from Beauly to Dounreay in northern Scotland.

Working to appropriate CGL method statements and risk assessments approved by the client, a variety of exploratory techniques were employed to progress the investigations, including borehole drilling and intrusive foundation inspections to assess existing foundation types and natural ground conditions.

CGL co-ordinated the ground investigations along the route often working in remote, hostile areas and archaeologically/ecologically sensitive expanses ranging from peat bogs and sites with specific environmental interest to deep river crossings and steep slopes. During this time, CGL's supervision and management of the sub-contractor parties allowed for works to continue despite the extreme weather conditions often experienced in the Scottish Highlands.

Working within an open collaborative framework, CGL formed a strong working relationship with Babcock's site and design teams assisting them with the co-ordination and management of the works programme to the satisfaction and benefit of the client.



### Client

Babcock Networks  
*(on behalf of Scottish and Southern Energy)*

### Services

- Desk Study
- Preliminary Risk Ranking Assessment
- Transmission Tower Ground Investigations
- Intrusive Foundation Inspections
- Project Management
- Interpretative Report

