Engineering

Arcus provides civil engineering services including:

- Engineering
- Feasibility Studies
- Abnormal Load Route Assessments
- Road, Access and Infrastructure Detailed Deisgn
- Project Management
- Balance of Plant and Turbine Contract Preparation
- Construction Supervision
- CDM Compliance
- Risk Management
- Construction Method Statements
- Peat Assessments and Peat Management Plans

The Arcus Engineering Team has expertise in infrastructure design associated with hydroelectric schemes, wind farm developments, commercial developments and major road and rail projects. We can assist in all stages of development; from feasibility studies and design through to project management and delivery.

Selected Projects

Methil Offshore Turbine Test Site

Arcus provided services to Scottish Enterprise and Samsung Heavy Industries for the installation of an offshore turbine test facility at Methil, Fife. Arcus has been responsible for securing the landside and offshore consents, and has been appointed to provide post-consent services to discharge conditions and progress construction. Arcus' Engineering Team has been providing advice to the client and contractor, preparing construction method statements and liaising with Statutory Authorities to allow the works to progress.

Wheatrig Wind Turbines

Arcus acted as Owners Engineer for this two turbine development in Ayshire which included turbine due diligence and procurement, preparation on construction contracts for Balance of Plant and supervision of the construction works.

Gaoth and Humbleburn Wind Turbines

Arcus provided Owner's Engineer services which included overseeing ground investigations works, discharging planning conditions, construction contract preparation and construction supervision. One of the sites comprised construction of turbine foundations on a previous opencast mine underlain by underground coal mine workings. Therefore solutions included procurement of mine grouting and piled foundation solutions.

Beinneun Wind Farm

Arcus was commissioned to develop the design for this 25 turbine wind farm to allow planning conditions to be discharged. This included the design of all site infrastructure in 3D using AutoCAD Infrastructure Suite based on LIDAR survey data, extensive peat probing to develop a 3D peat surface model and the preparation of a Construction Environmental Management Plan and a Peat and Excavated Materials Management Plan. Developing design models in this way allowed excavated volumes to be accurately calculated and management schedules could be produced defining stockpile requirements and reinstatement options.