

Civil Engineering

ITPEnergised is a trusted advisor providing client-focused, reliable, commercially minded, environmental, energy and engineering consulting services.

ITPE has a wide range of experience in providing civil engineering support across a range of sectors, from planning stage support through to detailed construction design and site support.

The team has undertaken outline designs for a number of electrical substation platforms and associated infrastructure, providing earthworks design and 3D terrain modelling to inform materials balance and highlight any significant constraints or risks.

ITPE also has extensive experience in the design of surface and foul water systems, including private waste water treatment systems, from high-level strategy level to construction issue. We work closely with project team members to develop optimised masterplans, designing and incorporating SuDS into constrained sites and taking consideration of and providing input to final design levels and layouts.

We also provide civil engineering input to onshore cable route option studies via focused site surveys, desk-based analysis and procurement of ground investigations and interpretative reporting.

We can undertake full civil engineering design services for onshore windfarms including; track and access design, borrow pit assessment and design, watercourse crossings and other associated infrastructure. We are able to provide support and mobilise to sites across the UK.

We are committed to providing cost-effective and practical design solutions tailored to the project and client's specific needs, whilst ensuring regulatory compliance to relevant standards across the UK.

Our pragmatic approach and proactive collaboration with our clients and members of wider project teams ensures projects are delivered to a high standard and potential engineering constraints are mitigated at an early project stage.

We cover a range of sectors and developments:

- Onshore electrical and renewable infrastructure
- Urban regeneration and property development
- Mining and minerals
- Industrial and Manufacturing

Our services include:

- Earthworks design and 3D terrain modelling
- Infracore model development
- Surface water drainage, SuDS and foul drainage design
- Road, access track design (inc. swept path)
- Land quality reviews, ground conditions assessment and site investigation procurement
- Cable route corridor design (inc. associated infrastructure)
- Waste water treatment design
- CDM Principal Designer services
- SEPA CAR Licence applications
- Construction Environmental Management Services

