

Hydrology, Hydrogeology and Flood Risk

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

ITPE has a wide range of experience in providing hydrology, hydrogeology and flood risk support across a range of sectors, from feasibility stage through to planning and construction.

We have recently been supporting a variety of projects within the Industrial, Renewables, Energy Transmission and Property sectors at Scoping and EIA stages. The team has undertaken site surveys, input to reporting, technical appendices and involvement in site designs. Recent projects are located across the UK and therefore the team are able to undertake a variety of work in accordance with national, regional and local regulations.

We regularly undertake flood risk assessments for a variety of projects across all sectors in both the UK and internationally. The team are able to undertake large scale flood risk assessments requiring detailed hydraulic flood modelling. Currently the team are undertaking two large scale river flood models located on the River Clyde in and around Glasgow, the outputs of which will heavily influence final site designs.

We can provide initial baseline studies and survey works to inform site designs and / or construction monitoring. We are also able to provide long term monitoring and analysis of water quality and

quantity of surface water, groundwater and private water supplies.

We are committed to ensuring the water environment is protected whilst acknowledging development proposals and providing pragmatic and holistic solutions between the two. We pride ourselves on being able to provide solutions that are cost-effective and meet the client's needs, whilst ensuring regulatory compliance.

We cover a range of sectors and developments:

- Renewable Energy Generation Projects
- Energy transmission
- Urban regeneration and property development
- Industrial and Manufacturing
- Mining and minerals

Our services include:

- Flood risk assessments
- Hydraulic flood modelling
- Water quality monitoring and analysis
- Hydrological and hydrogeological assessments and modelling
- Private water supply assessments
- Water balance and yield assessments
- Peat and GWDTE assessments
- River restoration studies
- Mine water management and restoration
- Hydropower feasibility assessments
- Hydrometric design and installation

