

Flooding and Hydrological Services

For a free quotation or if you need some advice relating to flooding and hydrological services, call **0114 290 3677** or email your information to **matt.travis@enzygo.com** and we will respond to you within 24 hours.

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Please visit our website for more information.

www.enzygo.com

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‘Experience and expertise
working in unison’



Flooding and Hydrological Services

enzygo provides specialist consultancy advice for flooding and hydrological assessments, producing high quality hydrological advice and modelling for a number of sectors both nationally and internationally.



Flood Risk Assessment

Enzygo's proven Flood Risk Assessment (FRA) system provides professional, commercially driven FRA assessments to PPS25, TAN15, SPP and Irish Council Guidelines. We operate nationwide and our staff have worked within every region of the UK providing comprehensive commercially driven FRA reports for residential and commercial developments, industrial applications including minerals and waste.

Enzygo understands flood risk and how it impacts upon business and development. Our consultants have worked within industry and the Environment Agency and can bring this experience to provide a commercial solution whilst managing the regulators expectations.

Flood Risk Modelling

Our flood modelling skills focus around providing commercially driven solutions to flood problems. We produce 1D and 2D flood models of fluvial, tidal, pluvial and combined flooding scenarios. Our staff have modelled some of most complex interactions within the UK and Europe.

Enzygo has a wide range of flood modelling tools, products and services, which are used as industry standards within the UK and Ireland. Our modelling skills are commonly used by our clients to optimise their risk management and investment

strategies in urbanised or areas of flood risk including:

- River Modelling
- Breach Assessment
- Overtopping Analysis
- Surface Water Runoff Calculations

Sequential and Exception Test

We are experienced in the application of the exception test for flood risk assessments. Our experience allows us to draw on numerous examples across the UK. The core principals of the sequential and exception tests are to ensure that new developments which are needed in medium or high flood risk areas will only occur where flood risk is clearly outweighed by other sustainability factors and the development will be safe for its lifetime, taking climate change into account.

Drainage Assessment

Designing SUDS schemes and undertaking utilities assessments are a necessary aspect of

planning applications. We have proven methods for creating Surface Water Management Plans, SUDS schemes and Utilities Assessments in order to obtain planning permission for a variety of developments.

Business Continuity Flood Assessments

Flooding is the second highest insurance risk after fire. Its impact can be potentially devastating for businesses through loss of revenue, products, and equipment. After the recent floods of 2007, research carried out by the British Standards Institute showed that two-thirds of UK businesses are still under prepared for the effects of flooding.

Many businesses are not prepared for forced office relocation, supply chain failure and infrastructure failure. We provide Business Continuity Flood Assessments enabling business to continue operating or reduce the risk of damage/protect key infrastructure and assets.

