

What we can offer

Within Ireland, we have experience in the water and wastewater sector and can provide tailored teams in the following areas:

Water Network Analysis, Design and Management

- Policy Advice for Non-Domestic Water Metering
- Plumbosolvency Analysis and Solutions
- Strategic Asset Management Planning
- Risk Driven Water Network Management
- Water Distribution Network Modelling
- Conceptual Design and Feasibility Assessment
- Rehabilitation Planning & Design

Urban Drainage Design

- Strategic Drainage & Asset Management Planning
- Drainage Master Plan & Drainage Area Planning
- Hydraulic Analysis of Sewers (InfoWorksCS)
- Preliminary and Detail Drainage Designs
- Foul & Storm Network Design (MicroDrainage)
- Planning Applications Support
- SuDs

Hydrology

- Desktop investigations
- Flood Risk Assessments (FRA)
- Numerical modelling of rivers (HEC-RAS & InfoWorkRS)
- Hydrological studies & Section 50 Applications

Rail and Highway Drainage

- Route Selection Report
- Preliminary and Detailed designs
- Surface Runoff Treatment and Attenuation

Water & Wastewater Treatment & Disposal

- Site suitability assessments
- Existing plant asset optimisation and intensification
- Asset operation & maintenance reviews
- Abstraction & lintake design
- Receiving water assessments

Contract Administration

- Project Management
- Contract Administration
 - New Government Forms of Contract
 - DB / DBO / DBOM
 - Client's Representative
 - Contractor's Designer
- Construction Site Supervision
- PSDP Services

Key Contacts

Atkins is a multinational engineering and design consultancy, providing expertise to help resolve complex challenges presented by the built and natural environment. We are involved in the planning, design and enabling of complex capital projects.

If you are interested in discussing potential projects in any of the topic areas discussed in this leaflet please get in touch.

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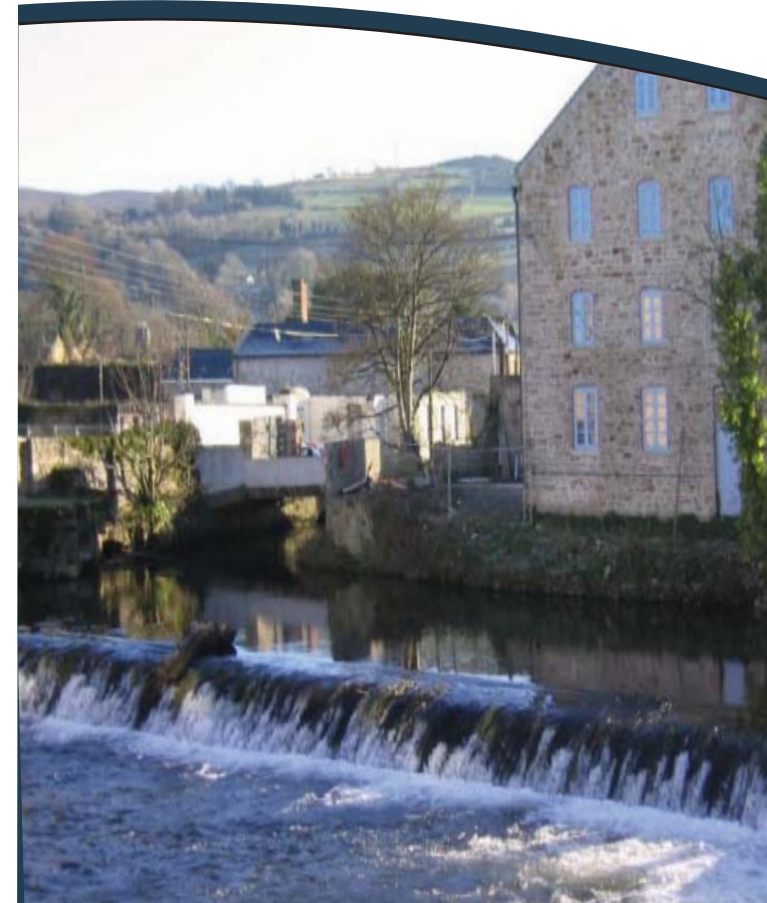
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ATKINS

Water & Wastewater Ireland



Plan Design Enable

Project Experience

Water & Wastewater Design Services

Atkins is a multinational engineering and design consultancy, providing expertise to help resolve complex challenges presented by the built and natural environment. Our professionally qualified and trained staff can assist in a full range of potential water and wastewater services required. We have assisted clients in the design of water supply networks, water and wastewater treatment works, foul and surface water drainage systems including vegetative treatment systems, sustainable urban drainage systems (SUDS).



We also have specialists in the areas of hydraulic modelling of sewerage networks, river systems and water supply networks. Our team is committed to providing our clients with advice and support in an efficient and cost effective manner.

Our key services in water and wastewater design include:

- Active leakage control systems and implementation
- Asset databases and mapping
- Culvert design
- Detailed design & hydraulic modelling
- Flood risk assessment and management
- Network condition evaluation
- Potable water collection, treatment and supply
- Pumping station design
- Rehabilitation planning and design
- Scour protection and river bank protection
- Strategic asset management planning
- Sustainable urban drainage systems (SUDS)
- Wastewater collection and treatment

Project Experience

Asset Management & Policy Advice

Atkins has a wide range of experience in the management and implementation of field surveys for the preparation of asset databases and detailed designs. Our specialists can prepare and operate hydraulic computer models to analyse the performance of both existing and proposed sewerage and water supply systems.

We understand the complexities that govern the business and the demands it places on the key players involved. With this understanding we help clients meet regulatory and financial targets, as well as enabling them to manage their operations more efficiently.



Our key services in asset management and policy advice include:

- Drainage asset management plans
- Drainage policy advice
- Development of design standards and guidance documents
- Manhole and asset surveys
- Management of CCTV and cleansing contracts
- Hydraulic modelling of water supply, sewer and river networks
- Strategic water operations and management planning



Project Experience

Environmental Services

As one of the largest international environmental consultancies, we can provide a broad range of services such as helping with the preparation of Environmental Impact Assessments and Reports for both private and public clients.

We also have an understanding of potential water-environmental related issues which are likely to arise on a particular project (e.g. water quality, habitat protection and water resource management), and advise on any mitigation measures that may be required.



We can advise on planning processes and the implementation of relevant Wastewater Treatment and Framework Directives. Our team can also assist clients in improving environmental performance and risk management as well as develop sustainable solutions to the environmental challenges they face.

Some examples of our environmental services include:

- Assessment of available water resources / borehole supplies
- Culvert design
- Environmental impact statements (EIS) and assessments (EIA)
- Flood risk assessment
- Hydrological modelling
- OPW Section 50 consent applications
- Pollution risk assessments
- Rural and urban catchment runoff calculations
- Water quality sampling and monitoring