



## SCOTTISH WATER

### Technical Consultancy

RPS was appointed to Scottish Water's Technical Consultancy Framework in 2016.

#### CHALLENGE

A significant part of our role is to characterise the site environs of all our projects within occupied areas. All of our projects present the complex challenge of carrying out intrusive construction work below ground within the public, private or commercially owned domains. We understand the complexities these instances present and how these can be successfully managed throughout design and construction.

#### SOLUTION

We deliver a broad portfolio of technical and operational services to improve network performance and asset resilience. The work is diverse and calls upon a range of technical expertise and skills including modelling and identification of water and wastewater service-related performance improvement requirements.

As part of the Mains Cleaning program we have developed an innovative and low-cost technique to assess discolouration risk to customers, called the Cleanliness Index. This allows significantly faster decision-making on the necessary improvement measures required to reduce customer risks.

We've also developed a methodology to carry out rapid assessments of flooding risk to customers and inform stakeholders in a consistent and easy to understand format. Our automated process delivers efficiencies in both time and costs.

#### Our Services:

- Clean water network modelling
- Mains cleaning
- Network operational analysis
- Leakage detection
- Flow and asset surveys
- Wastewater network modelling and integrated catchment studies
- Water and wastewater networks feasibility and outline design

#### Timeframe:

2016 to date



## DWR CYMRU WELSH WATER

### Leakage Partnership

Over the past 16 years, our partnership with Welsh Water has delivered significant benefits in water and wastewater services.

#### CHALLENGE

Visible and hidden leaks from Dwr Cymru Welsh Water's water distribution network have caused considerable strain on the environment and have proven costly.

Finding and repairing leaks on the network quickly means that we can keep the amount of water wasted every year to a minimum which is good for customers and the environment.

#### SOLUTION

Working with Welsh Water's asset management and delivery professionals, we have developed and delivered industry leading performance in flooding, pollution, water quality and leakage.

Our innovative water management software Waternet™ enables Welsh Water to make high quality, timely decisions whilst optimising its maintenance strategies.

#### Our Services:

- Leakage detection
- Waternet™

#### Timeframe:

2005 to date