



Senior Hydraulic Modeller

Waste Water Modelling (Operational Services)

Salary: £34,907 - £40,142

Location: Linea, St Mellons

Who we are

When you think about it, water is the most basic human need. So what we do at Welsh Water is incredibly important – we give three million customers safe, clean water, take away their dirty water and help to protect our beautiful environment.

It's an awesome responsibility, and we have to earn our customers' trust every single day. Being the only not-for-profit company in the water industry is certainly a good start. Every single penny we make goes back into looking after their water and environment, rather than going to the pockets of shareholders.

What you will do

As a Senior Hydraulic Modeller you will be the technical expert leading an in house team providing support across our business to ensure modelling requirements are met. A key element of this role will be to drive Waste modelling related innovation and development projects adding value and aiding the business on its journey to Smart Networks.

This is a great opportunity to join our team and play a key role supporting the Director of Operational Services and Head of Smart Hub in day to day requirements including delivery our Waste Water Modelling and Smart Network strategies.

What we offer

We know that if our employees are happy, our customers are happy. That's why we offer a great benefits package. As one of the biggest companies in Wales, our reward and benefits package includes:

- ◆ Generous Pension Plan
- ◆ Annual Colleague Reward Scheme (Bonus)
- ◆ 25 days annual leave plus public holidays
- ◆ Childcare Voucher Scheme
- ◆ Onsite restaurant and car park

Interested?

Please send your CV and covering letter to our Recruitment Team recruitment@dwrcymru.com

Applications must be received by: **Midday Wednesday 19 July**

The Declaration Form, available at www.dwrcymru.com/careers, should also be completed and submitted.

Reports to: Head of Smart Hub

Contract: Permanent

What you'll be responsible for

1. Management and maintenance of the Waste Hydraulic Model Library, providing central governance.
2. Leading a small team of engineers working as part of a specialised team within the Smart Hub Function.
3. Developing close links to the Smart Hub, Network and Treatment Teams, Asset Performance, Asset Management, Asset Strategy and Developer Services teams to understand their requirements.
4. Researching modelling requirements, prioritising schemes to deliver service improvements through system knowledge.
5. Acting as scheme manager, checker and/or approver of internal and external built models to ensure consistency across all model stock.
6. Working with Smart Hub teams to develop innovative uses of hydraulic modelling knowledge, processes and output.
7. Working with Local Asset management to develop and implement network modelling strategy and capability.
8. Supporting the development and drive the implementation of relevant Smart Hub programme items and projects
9. Input into and management of the AMP6 and AMP7 SDP and Modelling plans in support of business needs
10. Taking ownership for individual scheme and programme modelling in line with business needs.
11. Supporting developer services to assess the impact of new developments on the network.
12. Ensuring that network capacity is maintained to meet future demands (with Asset teams).
13. Providing appropriate information to support asset improvement activities
14. Continually improve business processes within the Smart Hub modelling team
15. Supporting the Efficiency and Systems teams to ensure the efficient and effective delivery of automated control activities.
16. Extending the use/benefit of models into operational use, catchment analysis, investment planning.
17. Any other duties that may be required to meet business needs.

Who you'll work with

Internal

- Team members
- Operations Team
- Capital Team
- Developer Services Design Teams
- Asset Management/Performance
- Strategy Teams.

External

- Modelling Framework Partners
- Developers
- Specialist Consultants

About you

Knowledge, Skills and Experience	Essential	Desirable
Degree qualified (or equivalent) in Civil Engineering, Science or other relevant subject	•	
Chartered as a member of a relevant institution i.e. Institute of Civil Engineers (ICE), Chartered Institution of Water and Environmental Management (CIWEM)		•
Experienced in waste-water Hydraulic Modelling with proven expertise in build, verification and design, with good working experience of Infoworks ICM or similar package.	•	
Experienced in the practical use of relevant Geographic Information System (GIS) software (Arc GIS preferably)	•	
Good working knowledge of waste water network and treatment processes	•	
Ability to prioritise and manage workload.	•	
Ability to use initiative in day to day tasks and particularly in resolving problems.	•	
Must be able to perform under pressure with the ability to meet tight time constraints	•	

Dwr Cymru Welsh Water is an Equal Opportunities Employer.