

**Job Description**

**Role title: Senior Hydrometry Consultant**

**Reports to: Associate Director**

**Grade: Senior Consultant**

**Sector: Freshwater**

**Division: Water Management**

**Location: Flexible**

**Purpose/ Scope of role**

APEM’s Hydrometry team continues to expand and is currently undertaking exciting projects across water resources, hydrology, drought, environmental assessment and management. We have an opportunity for an individual to join our Hydrometry team, making a difference by protecting people and the environment through hydrometric data collection and analysis.

This is a great opportunity to work on a range of water projects such as water company drought and water resources plans, water company water quality investigations, drought permit applications, monitoring programmes, associated assessments. The role forms part of a wider dynamic team of multi-disciplinary water and environmental experts that includes specialists in the fields of water resources, hydro-ecology, hydrology, geomorphology, water quality, aquatic and terrestrial ecology, environmental impact assessment and planning. You will use your technical skills to help design, optimise and analyse water management programmes for a portfolio of water resource planning, flood risk management and climate change planning and investment projects.

**What success looks like in this role**

This is a fantastic opportunity to grow your skills, advance your career, and make a meaningful contribution on our freshwater ecosystem. You'll have the chance to hone your field skills, as well as client and regulator liaison, data processing and analysis, report writing, tender development, and project management responsibilities, and to develop marketing, sales and business development abilities. You will have existing experience in hydrometry and water management and perhaps working within a consultancy already.

Your field skills will likely include:

* Spot flow gauging – rotating element, electromagnetic, Acoustic Doppler Velocimeter, tracer surveys (e.g. dye, salt dilution), Acoustic Doppler Current Profile surveys (e.g. boat mounted, torrent board, remotely operated), volumetric sampling;
* Continuous Flow Measurement - small scale weir installation and maintenance e.g. v notch, water level pressure transducers/ loggers (surface water and groundwater), dipping/ contact gauges, stage boards, Acoustic Doppler Current Profilers (e.g. bottom/ side mounted);
* Bathymetry surveys - Geo-referenced cross-sectional surveys of rivers and canals, lakes and reservoirs, velocity contour/ profiles.

All work will conform to relevant British, European and International Standards.

You may also have gained experience in land surveying, completing topographical detail surveys/ river cross section surveys.

**Key Responsibilities and accountabilities**

The role will include a mixture of hydrometric data collection, and operating and installing hydrometric and telemetry assets, to ensure high quality data is available for our clients 24/7. We work with colleagues in other teams, share knowledge freely, develop individual strengths and utilise the latest technological advances to ensure we are continuously improving our essential monitoring service. The ideal candidate would also have experience of completing detailed river cross sections, topographical surveys, asset surveys, as well as then processing of the field data.

This role will involve establishing safe systems of working and assessing potential risk, as well as also establishing control networks, carrying out detail surveys and supervising more junior members of the survey team.

**Skills/ Knowledge/ Experience/ Qualifications**

**Essential**

* BSc or MSc degree in a relevant subject and five years’ professional experience working in a hydrometric role;
* Experience of environmental monitoring equipment and telemetry systems;
* Experience of installing and maintaining monitoring equipment;
* Experience managing large datasets and systems, including data entry, validation, error checking
* Excellent level of computer literacy;
* Experience working in technical project teams, delivering projects on time and within budget;
* Good communication and report writing skills, with a strong team ethic;
* Full UK Driving Licence.

**Desirable**

* Competent in the use of both GNSS and Total Station survey equipment;
* Proven land surveying capability, with sufficient experience to lead topographical detail surveys/ river cross section surveys both safely and professionally e.g. complying with The Survey Association (TSA) or Royal Institution of Chartered Surveyors (RICS);
* Experience of rainfall/ weather stations;
* Working at height;
* Confined space entry;
* First Aid certification;
* Water safety;
* Water hygiene;
* CSCS (Construction Skills Certification Scheme);
* Membership of a relevant professional body.
* RYA ‎Level 2 Powerboat Handling qualified;
* Experienced in hands-on tasks, including use of power and hand tools;

**Our Values**

Our most important assets are our people who work here. We all work as one team and rely on each other. We wish to create a working environment to which our people are proud to belong, by maintaining our values at the forefront of everything we do. These values are:

* Integrity – We do the right thing;
* Quality – Quality in everything;
* People - We care;
* Forward thinking – We focus on the future;
* Positivity – We believe we can;
* Fairness – We champion equality.

**Our WOW Factor**

When home became work, we learned that flexibility, understanding and balance allowed us all to move forward and grow together. So, no matter where you’re based, the hours you keep, the toddlers you have to entertain, or outside interests that help with your wellbeing we’re committed to our Ways of Working (WOW) with each other so we can continue to be our best.

**You belong**

We recognise that everyone’s story is different. The opportunities, experiences and challenges faced in life shape who we are, and we understand that these are the things that make us individual and unique. Embracing our differences means we’re able to approach what we do from every angle.

Inspiration and insight can come from anywhere, and no matter your history or choices in life, we empower our people to be their best, so we can be our best, together. **We welcome the whole you.**