

Principal Geo-Environmental Engineer

- **Job type:** Geo-Environmental Consultant
- **Grade:** Principal
- **Location:** Wexford
- **Discipline:** Geo-Environmental
- **Fixed term:** No

Tetra Tech is a leading, global provider of consulting and engineering services. We are differentiated by Leading with Science® to provide innovative technical solutions to our clients. We support global commercial and government clients focused on water, environment, sustainable infrastructure, renewable energy, and international development. With 30,000 associates worldwide and 5,500 in the UK, Tetra Tech provides clear solutions to complex problems, by challenging conventional thinking with our focus on equality and diversity throughout the organisation enabling a more inclusive environment to work.

Following the continued success of Tetra Tech in Ireland having secured a variety of new and interesting peatland restoration, geo-environmental / ground investigation and geothermal projects in the government services sectors, we have an exciting opportunity for a Principal Geo Environmental Consultant.

We are looking for a Principal Geo Environmental Consultant to join our Ireland team. This is an excellent opportunity for an ambitious individual who wants to make a difference in the key strategic growth areas of peatland restoration and support of the exponential growth in the renewable energy sector, helping us tackle one of the biggest challenges of our times. You will also have the opportunity to work on international projects. You will join an established and growing national team of geo environmental specialists and be part of Tetra Tech's 500 strong national environmental and green energy business.

We carry out environmental impact assessment in support of peatland restoration and are currently commissioned to lead in the delivery of the associated consents required to approve and deliver this work for the restoration of approximately 1,000 ha in 2024. This work will include project management and delivery of key technical specialisms.

We deliver ground investigation works under a number of government frameworks. The sites are typically associated with the utility and energy sectors and are typically a mix of both green field and brownfield site assessments. Many of these project's progress from site assessment through to risk assessment and remediation.

We are currently market leaders on the geothermal energy sector and this role will require you to support in the delivery of techno-economic groundwater resource assessments and geothermal feasibility studies, geothermal resource and thermal energy evaluations, intrusive and non-intrusive geothermal investigations, testing and reservoir modelling and assessment across both shallow (<500m) and deep systems (>500m) to help inform business cases and investment opportunities. Our team has project management experience across all project phases for the above works.

Your Role

We have a broad range of private and public sector clients across the built environment, energy, health, education and infrastructure sectors. Your main duties and responsibilities will be to support our geo-environmental specialists, hydrogeologists and green energy engineers with the:

- Management and delivery of a portfolio of environmental impact assessment projects for peatland restoration projects
- Preparation of soil, groundwater and geotechnical (peat stability) assessments for inclusion in EIAR for peatland restoration projects
- Design, procurement and supervision of ground investigation works for a portfolio of projects for a large energy clients
- Preparation of land quality assessment for brownfield regeneration projects
- Preparation of groundwater abstraction feasibility, resource evaluation, site characterisation and assessment reports
- The interpretation of geological, hydrogeological and thermal investigation data.
- Support the business development of Tetra Tech Ireland team by inputting to our business strategy and supporting our business development opportunities.

You will also be expected to:

- Support and lead on projects
- Attend and, at times, lead project meetings with project teams, capturing minutes and tracking actions.
- Following our internal governance requirements
- Support Senior Managers with internal project finances.
- Prepare project tools including programmes, risk registers, requests for information, assumptions and issue registers and decision logs.
- Support project change control management
- Contributing to the bidding process

As part of this role, you will be involved with and oversee the production of desk study assessments, the accurate collection of site data and the production of detailed factual and interpretative reports. You will become a member of a busy team focused on providing clear solutions to some of our clients most complex problems. At Tetra Tech we are *Leading with Science*® to provide innovative technical solutions to our clients.

You will work alongside other geo environmental and engineering specialists and help deliver holistic solutions that meet our clients' needs. Additionally, you will be expected to collaborate with a wide range of multi-disciplinary teams in other offices. Key attributes required for this position are sound technical knowledge, enthusiasm, self-motivation as well as excellent verbal and written communication skills.

The role will require some limited travel, typically within a couple of hours of your chosen office location, but there may also be occasional requirements to support other regional offices within the UK.

About You

As a minimum you will hold a master's degree in geology, engineering geology, hydrogeology or relevant discipline. Whilst not essential, it would be desirable for you to have a post graduate qualification such as a Masters or Post Doctorate degree (PhD). You should also be working towards Chartership with a relevant body, such as The Geological Society. The ideal candidate will be able to demonstrate:

- Ability to deliver to deadlines
- The ability to work collaboratively with clients and teams to deliver results
- Comfortable working on an individual basis
- Good communication skills both oral and written
- Good practical knowledge of Microsoft Software, including Excel, Project and Word
- Professional and ethical in everything that you do
- Hold a Full Irish Driving Licence
- Have experience of preparing and coordinating Environmental Impact Assessment Reports
- Have experience of exploratory drilling or hydrogeological investigations and the skills and knowledge to interpret geological, geotechnical and hydrogeological investigation data.
- Be able to prepare desktop and interpretative study reports incorporating a wide range of data sub-surface data.
- Have excellent written and verbal communication skills and be fully IT literate as you will be required to write clear, concise and technically robust reports.
- Have a good understanding of health, safety and environmental management.
- Be a team player with good social, interpersonal and communication skills.

About Tetra Tech:

Tetra Tech is a leading provider of high-end consulting and engineering services for projects worldwide. We combine the resources of a global, multibillion dollar company with local, client-focused delivery in more than 400 locations around the world. We are Leading with Science® to provide sustainable and resilient solutions for our clients.

At Tetra Tech, we provide a collaborative environment that supports individual performance, innovation, and creativity. We are proud to offer competitive compensation and benefits. Learn more by visiting <http://www.tetratecheurope.com/careers>. For more information on our company, please visit our website at www.tetratecheurope.com. To apply, please submit your resume and cover letter on the Careers portion of our website at [Tetra Tech Europe Careers - Jobs \(selectminds.com\)](http://www.tetratecheurope.com/careers). Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer.

Tetra Tech provides equal employment opportunities to all qualified employees and applicants and prohibits discrimination on the grounds of race, colour, religion, sex, national origin, age, gender, marital status, genetic information, disability, protected veteran status, sexual orientation, gender identity, or gender expression. We prohibit discrimination in decisions concerning recruitment, hiring, referral, promotion, compensation, fringe benefits, job training, terminations, or any other condition of employment. Tetra Tech is compliant with local, state and federal laws and regulations and ensures equitable opportunities in all aspects of employment. EEO including Disability/ Protected Veterans.