

# NORTHUMBRIAN WATER GROUP

## JOB DESCRIPTION – SENIOR PROJECT ENGINEER

JOB TITLE	Senior Project Engineer	REPORTS TO	Principal Engineer
DIRECTORATE	Assets	LOCATION	North / South
DATE	May 2022	GRADE	13
<b>PURPOSE</b>	<p>The Senior Project Engineer (SPE) role will have a range of responsibilities within the Engineering team and the wider Asset Management directorate.</p> <p>The role will include delivery of complex, high-value or high-risk schemes across water and wastewater, ensuring cost-effective, innovative, safe solutions and effective integration into NWG’s asset base. The SPE role will be pivotal in leading front end technical challenge to ensure the development of efficient, affordable TOTEX solutions whilst supporting effective collaboration with internal stakeholders and the supply chain across the Capital programme.</p> <p>The SPE role will include leading technical working groups and responsibilities for the ownership and upkeep of Engineering Standards. In addition, the SPEs will provide support and leadership to Project Engineers, Graduates and Apprentices in the delivery of their projects and in their professional development.</p> <p>SPEs will lead by example, encouraging a high performing team and work ethic. The SPE will promote the Engineering team and the value delivered by engineering across the business and industry.</p>		
<b>ACCOUNTABILITIES</b>	<ul style="list-style-type: none"> <li>• Proactively leading in development of the Engineering Department.</li> <li>• Representation of the Engineering Team internally and externally to NWG with selected partner relationships (e.g., framework / regulatory council etc.).</li> <li>• Technical leadership and challenge in front end solution development to deliver efficient, affordable, Totex solutions that maximise value to the business and our customers.</li> <li>• Governance of efficient technical project delivery to retain solutions within affordability targets.</li> <li>• Technical assurance and leading in the creation / management of standard designs.</li> <li>• Ensure effective collaboration / communication with internal stakeholders to deliver appropriate outcomes.</li> <li>• Ownership of a range of Specifications and Standards, ensuring upkeep and validity.</li> </ul>		
<b>EXPERIENCE &amp; EDUCATION</b>	<ul style="list-style-type: none"> <li>• 8 + years of related industry experience; or equivalent combination of education and experience.</li> <li>• Desirable: Chartered with relevant professional body.</li> <li>• Desirable: Degree Qualified.</li> </ul>		
<b>LEADERSHIP</b>	<ul style="list-style-type: none"> <li>• Promote the NWG safety culture, behaviours, and leading activity within the team and with supply chain.</li> <li>• Coach, mentor, and support in the professional development of PEs and junior members of the team.</li> <li>• Identify, develop, and lead team initiatives that contribute to wider Asset Management and company objectives.</li> <li>• Chair engineering working groups to promote continuous improvement and quality assurance.</li> <li>• Perform the role of lead engineer through the direction and co-ordination of other disciplines and stakeholders to ensure successful delivery.</li> <li>• Promote a healthy working environment that supports team and personal wellbeing.</li> <li>• Receive and deliver performance feedback to ensure continual learning.</li> </ul>		

- Represent the Engineering team with wider internal and external stakeholders.

### DELIVERABLE OUTPUTS

- Undertake technical design reviews and assurance of design / build in accordance with design and relevant standards.
- Co-ordinates effective commissioning and handover of assets to the end users.
- Responsible for ensuring continual update of allocated engineering specifications and standards.
- Ensure appropriate application of engineering standards and quantifies the risk / benefit of any deviation.
- Ensure appropriate application and updates of governance documents including the MAP and Project Engineer Guide.
- Ensure compliance with DRL requirements on projects and provide leadership/ development of digital information requirements.
- Produces and manages key work control documentation for project delivery.
- Ensure appropriate technical learning feedback for continuous improvement of future project delivery.

### BEHAVIOURS

- Proactively challenges normal working practices and promotes improvement to the benefit of the team.
- Drives positive change and continuous improvement through creative thinking.
- Demonstrates strong leadership to ensure compliance with engineering team metrics.
- Positively supports and encourages team development in line with the overall NWG Vision and Values.
- Leads by example to demonstrates evidence of exceeding expectations to ensure efficient and quality delivery.
- Promotes a collaborative environment with stakeholders to achieve common outcomes.
- Adopts a flexible approach to time management to maximise effective project delivery in line with programme and SPE role requirements.