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WALES&WEST UTILITIES

Job Title	Technical Architect (Operational Technology)
Department	IT
Reports to	Head of Strategy & Architecture
Grade	Grade 6
Purpose & Overview	The Operational Technology Architect plays a pivotal role in collaborating with the network services team in product selection, design assurance and oversight of the implementation of operational technology solutions, ensuring seamless integration with IT infrastructure. The role focuses on optimising industrial processes, enhancing resilience, and leveraging emerging technologies within operational environments
Key Accountabilities	- Develop and maintain a complex and critical operational technology architecture that aligns with organisational goals and industry best practices. - Collaborate with cross-functional teams to understand operational requirements and translate them into scalable and secure technology solutions. - Lead the evaluation, selection, and implementation of operational technology systems, ensuring compatibility with existing IT infrastructure. - Provide technical expertise and guidance on the integration of industrial control systems, sensors, and automation technologies. - Design and implement cybersecurity measures for operational technology systems, ensuring the protection of critical infrastructure from cyber threats. - Conduct regular assessments and audits of operational technology systems to identify vulnerabilities and recommend improvements. - Collaborate with vendors to assess and select appropriate hardware and software solutions for operational technology needs. - Stay abreast of industry trends and emerging technologies in operational technology and cybersecurity, providing strategic recommendations for their adoption.
Technical Know-How & Skills	- Operational Technology Expertise: In-depth knowledge of Industrial Control Systems (ICS), SCADA, PLCs, DCS, and other operational technology components. - Cybersecurity: Proficient in implementing cybersecurity measures for operational technology, including network segmentation, firewalls, and intrusion detection systems. - Integration Skills: Experience in integrating operational technology systems with enterprise IT systems for seamless data flow and analytics. - Emerging Technologies: Familiarity with emerging technologies such as IoT, AI, and edge computing, and their application in optimising operational processes.

	• Communication: Effective communication skills to convey complex technical concepts to non-technical stakeholders and facilitate collaboration across departments.
Qualifications	**Essential** • Degree in IT, Computer Science, Engineering, Information Security or equivalent. • Significant hands on experience in an operational and technical architect role within the field of industrial control systems **Desirable** • Certifications in relevant areas, such as Certified Information Systems Security Professional (CISSP) or Certified SCADA Security Architect (CSSA), are highly desirable. • Experience working in industrial sectors such as manufacturing, energy, or utilities is a plus.