ROLE PROFILE
Project Engineer

Why do we have this role?
Resonate specialises in providing mission-critical signalling control, traffic management systems and data science-led solutions, primarily in the transport industry. Working as part of our deployment team, our Project Engineers take responsibility for the day-to-day co-ordination, delivery and management of technical and engineering activities on our signalling control projects.

What are the key objectives?
Planning and Risk Management
- Create project specifications by reviewing the customers' technical requirements (design, installation, testing), the relevant signalling standards and system interfaces
- Develop, coordinate, monitor and maintain the project schedule by studying the project plan, specifications, calculating time requirements and sequencing project activities
- Prepare project status reports by collecting, analysing, and then summarising the information into a report that summarises progress and any recommended actions
- Contribute to or maintain Project Risk Registers (technical and commercial risks) and ensure that information on any significant risks arising are communicated appropriately, normally to the Project Manager or to the PEM/CEM where one is formally appointed on the project

Project Delivery
- Prepare project documentation, e.g. Quality, Environmental and Waste Management plans
- Confirm that the design and/or construction/installation is compliant with all applicable standards, legislation, contract requirements and specifications
- Manage the interface between different engineering/technical disciplines and work with other project engineers/sub-contractors to ensure that all design integrates correctly
- Identify engineering problems and ensure solutions are implemented
- Prepare build configuration documentation and capture modifications that result in change
- Change control: review designs, specifications and schedule/deliver change actions
- Prepare site documentation, e.g. installation specs, work package plans, task briefing sheets
- Ensure the engineering and technical competence of resources on projects
- Provide technical instructions and direction to installation or construction staff as appropriate
- Generate project Bill Of Materials and arrange procurement of materials as required
- On-site tracking: confirm scope of work, accurate scheduling, key project milestones, etc.
- Undertake site installation duties as required

Bidding Support
- Review customer technical requirements and provide input to compliance analysis
- Identify key project interfaces and generate costing and technical responses
- Create RFQ's for sub-contractors and review technical bids for compliance to scope

Top Internal Relationships
1. Reports to the Functional Team Leader
2. Engineering resources on the project
3. Project Realisation team
4. Resource Management

Person Requirements
Profile
- Able to operate professionally, conscientiously and safely, with due regard to confidentiality and security when working on-site/in client-facing situations
- Excellent communication (written and verbal), organisation and decision-making skills
- Proven ability to approach tasks systematically and to manage multiple and at times changing priorities and expectations
- Strong technical problem-solving skills

Competencies
- System engineering experience - ideally in a safety-related context
- Commercially-focused project engineering experience
- Requirements analysis
- Process improvement
- Technical understanding with the ability to explain design ideas and plans clearly
- Technical writing
- Ability to work within budgets and to deadlines
- Familiarity with Microsoft Office software, including Microsoft Project
- Working knowledge of CAD software, e.g. Microstation
- Knowledge of CDM requirements/regulations would be an advantage