

ROLE PROFILE: Principal Technical Consultant (Engineering)

What the role is accountable for
The Principal Technical Consultant is required to provide team lead, thought leadership, design, and implementation of technology solutions for our clients in their operational technology landscape. The candidate will provide pre-sales technical support, technical formulation of proposals, solution designs, and pricing for technical solutions to sales teams. The resource will be responsible for effectively implementing our technologies in all stages of the implementation lifecycle (discovery, configuration, testing, deployment, training, and post go-live support) and handover to operations teams. The ideal candidate has deep understands both Operational Technology (OT) and Information Technology(IT) standards, methods and frameworks such as ITIL, ISA-95, IEC62443, ISO 27001, ISO20000
Role reporting
Head of IoT
A typical day may include (ideally no more than 10 – 12 characteristics)
General - Collaborate with the Cluster and LOB ecosystem, incl. other BUs, OEMs, system Integrators, and customers Technical Leadership - Responsible for the project scope, reliability, quality and on time delivery of the projects. - Evaluates the project scope and devises strategies to reach feasible engineering solutions that are cost-effective to the business. - Analyses the client's technical specifications, BoQ, drawings, and industry codes and standards collectively to develop the end-product. - Evaluates, analyses and researches systems, components and products while keeping abreast of technological advancements; apply these in value engineering solutions. - Complies with customer requirements during product development, manufacturing, and FAT/SAT testing as well as the relevant internal business processes. - Develop and compile overall technical documents (functional design specification, control philosophy, project specific manuals, drawings technical proposals and reports. - Conduct system Risk Assessments and Failure Mode Effects Analysis (FMEA) along with System Reliability Studies where applicable - Train and supervise other engineering trainees on system tools and products. - Co-ordinate and guide Engineering resources in collectively achieving project deliverables - Write or contribute to the technical sections of proposals including corresponding pricing components of RFXs (Request for Proposal/Quotation or Tenders), and, ensure they are accurate, persuasive, and defensible - Maintains professional and technical knowledge by attending educational workshops; reviews professional publications; establishes personal networks; participates in professional societies - Maintains the relevant ISO procedures and policies for the relevant department. - Flexible and adaptable to changes in business/quality processes. - Compile material lists, specifies material and approves documentation used in the project. - Coordinate the installation of all relevant C&I (incl SCADA, HMI etc) and PLC equipment. - Maintain design standards for the CIE Engineering Team Engineering

- Ability to lead, guide and implement control system principles on various industry-specific PLC and SCADA solutions.

Qualifications we look for

Essential Qualifications:

- Matric Qualification
- B.Sc. or BTech Electrical/Electronics/Mechatronics Engineering

Preferred Qualifications:

- Registered with ECSA (Advantageous)
- OEM trainings/qualifications on product/solution sets
- PLC, SCADA, HMIs or any ICS OEMs certification (AVEVA will be advantageous)

Experience we look for

- Function: 10 – 15+ years
- Project experience: 10 – 15+ years

How the role raises the bar

- Strong problem-solving and analytical skills,
- Strategic thinking
- The ability to translate business needs into technical solutions
- They must also demonstrate exceptional communication,
- Project management skills,
- Alongside experience in guiding teams and building client relationships.