

Komail Alrebh

Instrumentation & Control Discipline Engineer

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Summary

Six years of experience as Instrumentation & Control Discipline Engineer in oil and gas sectors. Expertise in detail design automation projects with focus on Saudi Aramco projects. Main task is to develop sustainable engineering design for automation projects which including both field instruments and control systems. Aware of Saudi Aramco and international relevant industry codes and standards like (ISA, IEC, NEC, NFPA)

Experience Highlights

Jan 2016 - Present Discipline Engineer, Instrumentation & Controls, Worley, Saudi Arabia, Dammam

- Prepare & review of engineering documents and design drawings including instrument specification sheet, cause & effect diagram, instrument installation schedule, cable and conduit schedule, material take off (MTO), reports, scope of work and other related deliverables
- Acting as senior instrumentation engineer in Juaimah risk mitigation project
- Understanding requirements for the selection, design, application, documentation of process instrumentation and control systems
- Development of instrumentation design deliverables using MICROSTATION V8i
- Coordinate with vendors and sublets to specify and source instrumentation and accessories. In addition, review the vendor data sheets for instruments and systems
- Conducting site visit to identify the scope of work and existing condition like availability of spares for junction boxes and marshalling, the possible routing for instruments cables and system cabinets
- Preparing fire alarm system engineering deliverables including data sheets for detectors, fire alarm panel, voltage drop calculations, fire alarm layout and riser

Education

- Bachelor of Instrumentation and Control Engineering Technology, Jubail Industrial College, 2020
- Association of Instrumentation and Control Engineering Technology, Jubail Industrial College, 2015

Registrations/Affiliations

- Member at International Society of Automation (ISA)
- Member in Saudi Council of Engineers

Skills

- Leadership and goal achieving
- Computer skills (CAD, Microsoft office)
- Technical Training skills

Specific Technical Expertise

- Train of the Trainers (TOT)
- Certified Automation Professional Review Course (ISA)
- Smart Plant Instrumentation (SPI)
- Power electrical application training program
- Essentials of MicroStation V8i select series 3, Bentley Institute
- Fire alarm signalling code NFPA 72