

**Job title: Automation Safety Systems Engineer**

**Work Location: Tengiz**

**Work Pattern: 28/28**

**Personnel Category: Local**

**Job Specification and requirements:**

- Higher Engineering Degree. (Preferably related to Automation and control systems)
- Relevant work experience - not less than 2 years.
- Must have basic understanding of oil field and/or plant processes.
- High level expertise in Honeywell FSC (Fail Safe Controller) and SM (Safety Manager); HIMA SELLA safety instrumented systems.
- Familiar with SIS (Safety Instrumented System) standards and requirements.
- Familiar with different communication protocols and network architectures from end devices to and between PLCs, ESD systems, SCADA, Process Control System and Experion systems.
- Understanding of SIS (Safety Instrumented System) and Process Automation system design.
- Basic knowledge of Functional Safety, SIL (Safety Integrity Level) and SIF (Safety Instrumented Function).
- English Minimum level 2 or higher

**Job Description:**

- Ensure uninterrupted operation of SIS (Safety Instrumented System).
- Participate in development of new process flow charts and in improvement of existing ones.
- Participate in adjustment and putting new technical complexes into operation.
- Provide support to Automation Safety System at the Plants. Carries out checks, repairs and modification logic of automatic systems and equipment, analysis and troubleshooting of system's malfunctioning.
- Ensure all conditions and parameters of the plant still within operational limits after any major modification performed in the control system for improvements implementations.
- Study new equipment, projects, methods of control, develops C&E, improves existing ones. Projects are very complex, multi-task oriented and require extensive engineering knowledge in automation control.
- Participate in adjustment and putting new equipment into operation. Supporting of implementation of new projects and modifications on existing one. Receives general instructions for routine work and detailed instructions on complex work.
- Implement Online Modification (OLM) or Offline modification process on existing Safety Control Systems, i.e., on Honeywell FSC (Fail Safe Controller) and SM (Safety Manager); HIMA SELLA controllers.
- Develop / modify system logic configurations as required. Participate when required on Design Reviews / Comments for control/safety systems. Perform system back-ups for IT, DCS, F&G and ESD systems. Review the operation of the equipment and performing necessary maintenance. Perform regular checks of the communication stream to/from ESD/F&G.
- Maintain / support cybersecurity of Safety Instrumented System.
- Problem-solving in process engineering issues and/or design issues from both commissioning and maintenance perspectives.
- Perform control system and Instrument loop checks, function testing, C&E test, and commissioning of systems.

- Experience in Complex problem solving of Safety Instrumented System and hardware issues.
- Report and find solutions to automation Non-Conformance Report (NCR) items.
- Review diagnostics data and ensure safety systems are being maintained and that automation failure and faults are corrected.
- Excellent organization, planning and verbal/written communication skills.
- Experience in working on multiple projects at the same time.