

CAREER RESUME

Name: Aibolat Konysbayev

Nationality: Kazakh

Date of Birth: 06/09/1989

Qualifications: Bachelor of Instrumentation Engineering, Zhangir Khan University, Uralsk, 2007 – 2011
Masters of Business Management, MEDIU, KL
2025 - 2027

Languages: Kazakh, Russian, English, Spanish, Arabic

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SUMMARY

Instrumentation & Control Engineer with over 10 years of experience from Feasibility to Construction & Commissioning. My skills include project management, project execution, system integration and team leadership. I'm a results-driven professional who thrives on challenging projects and is always looking for new ways to improve efficiency and performance.

DETAILED PROFESSIONAL EXPERIENCE

Apr 23 – Sept 24 **KPO (Shell/Eni/Chevron/Lukoil and KMG), Kazakhstan - Aksai**
Senior Instrumentation & Control Engineer

Project Execution Directorate & Technical Authority

Conduct feasibility studies, front-end engineering design (FEED), and detailed design for instrumentation and control systems.

Prepare invitation to tender (ITT) documentation and review technical bids for instrumentation and automation systems. Provide technical support for instrumentation and automation during construction, commissioning, and start-up phases. Supervise Engineering and Construction Contractors throughout FEED, detailed design, procurement, and construction activities.

Lead process safety sessions such as Management of Change (MOC), Hazard and Operability Study (HAZOP), Hazard Identification (HAZID), Safety Integrity Level (SIL) verification, and Risk Assessment. Assist in root cause analysis (RCA) investigations to support maintenance optimization efforts. Conduct engineering technical studies to evaluate system performance and propose improvements. Oversee factory and site acceptance tests for instrumentation and automation systems.

Participate in turnaround projects to ensure successful execution of maintenance and shutdown activities.

Jul 2019 – Apr 2023 **Tengizchevroil (Chevron Kazakhstan), Kazakhstan**
I&C Commissioning Coordinator

FGP WPMP Project

3-rd Reinjection plant - Systems Completion team

Safely manage the transition from construction to operations, ensuring proper pre- commissioning and commissioning activities.

Collaborate with the Main Automation Contractor (MAC) to plan and execute I&C pre-commissioning and commissioning tasks.

Support the I&C Lead in conducting safe pre-commissioning and commissioning tests, including Factory Acceptance Tests (FAT) and Site Acceptance Tests (SAT) for Honeywell. Automation systems, loop testing, and safety integrity function testing of systems and equipment. Develop commissioning procedures for all process automation systems. Provide input on engineering and construction matters and raise technical queries to prevent delays at the Tengiz site, collaborating with the project engineering team for timely responses. Lead a team of instrument supervisors, technicians, and vendor Field Service Representatives (FSRs). Create data sheets for field instruments, control systems, emergency shutdown systems (ESD), on-off valves, and fire and gas (F&G) devices. Assist the I&C Lead in supervising and overseeing all pre-commissioning and commissioning activities related to process automation systems at the site. Participate in Mechanical Completion (MC) and Ready for Start-Up (RFSU) walk-downs. Support the I&C Lead in managing interfaces with vendors involved in the process automation systems. Review and assess resources required to carry out field activities. Assist the I&C Lead in reviewing and validating the duration of the 3GI Commissioning Schedule.

Apr 2018 – Jun 2019

**KPJV (Worley Parsons), Kazakhstan
Instrument & Control Systems Engineer**

FGP WPMP Project

Gathering Engineering team

Providing input to the development of P&IDs (Piping and Instrumentation Diagrams) and coordinating with other departments to ensure proper interdisciplinary checks and coordination.

Developing instrument and F&G (Fire and Gas) indexes to establish a comprehensive overview of instrumentation and safety systems.

Creating I/O schedules for control, ESD (Emergency Shutdown), and F&G systems to define the required inputs and outputs for effective system operation.

Designing new DCS (Distributed Control System) and PLC (Programmable Logic Controller) systems, utilizing platforms such as Honeywell and Allen Bradley.

Managing the upgrade process of existing TCO (Total Control of Operations) ESD, F&G, and DCS systems to enhance performance and functionality.

Developing Cause and Effects Diagrams for ESD and F&G systems, outlining the cause- and-effect relationships between inputs and system responses.

Generating data sheets for field instruments, control systems, ESD and on-off valves, and F&G devices to provide detailed specifications for procurement.

Creating Material Requisition (MR) and Supplier Document Requirements List (SDL) to ensure the necessary materials and documentation are obtained from suppliers.

Conducting technical bid analysis of vendors' quotations to assess compliance, technical suitability, and cost-effectiveness.

Guiding and supporting the Design Group in the preparation of drawings, including cable block diagrams, layouts, cable routing, and junction box terminations.

Preparing tie-in review sheets and job packs to facilitate the efficient and accurate integration of new instrumentation and electrical systems.

Developing instrument and electrical load lists to document and organize the electrical loads associated with various equipment and systems.

Jun 2016 – Mar 2018

**TECA (ENI Progetti Kazakhstan & Caspy Engineering),
Kazakhstan
Instrument & Control Systems Engineer**

Karachaganak Gas debottlenecking project EPC Contract

Review project specifications, design instructions, plot plans, P&IDs, and supplier information to ensure compliance with project requirements.

Collaborate and interface with other design and engineering disciplines to ensure coordination and integration of designs.

Review and provide feedback on design drawings from other departments and supplier equipment drawings.

Coordinate with vendors, clients, and design engineering teams to facilitate effective communication and collaboration.

Participation in HAZOPs

Produce and prepare drawings using AutoCAD software, adhering to client's design specifications. Develop various drawings such as instrument cable block diagrams, cable tray and routing drawings, sections, termination diagrams, loop diagrams, equipment layout, F&G layout, JB layout, instrument location drawings, installation details, and pneumatic hook-up diagrams.

Review, comment, and develop cause and effect matrices for ESD and F&G system functions.

Prepare documents using MS Word and Excel, including instrument data sheets, material requisition reports (MRR), material take-offs (MTO), I/O schedules, instrument schedules, and JB schedules.

Provide technical support in preparing scope of works, estimating budgets, and determining execution times for planned activities.

Perform calculations and instrument selections suitable for existing control systems.

Identify changes in the scope of works, compile them, and obtain client approval before submitting them to project engineers.

Prepare project documentation for handover upon project completion.

Develop work schedules and submit them to the planning engineer for project coordination.

Visit work sites as required to oversee project progress and provide necessary technical assistance.

Interface and collaborate with cross-functional groups to resolve technical issues promptly.

Ensure client satisfaction and compliance with mandatory legislative requirements in the Republic of Kazakhstan (RoK).

May 2016 - Jan 2018

Talgo, Kazakhstan

Instrument commissioning technician

Astana (coaches fabrication yard)

Performed commissioning for following systems:

HVAC System: Perform commissioning activities to ensure the proper functioning of the heating, ventilation, and air conditioning system in the coaches. This involves testing temperature control, airflow, and overall climate control performance.

Pneumatic System: Conduct comprehensive commissioning tests on the pneumatic system of the coaches. This includes verifying the functionality of pneumatic components such as doors, brakes, suspension, and other related systems.

Water System: Ensure the commissioning and proper functioning of the water supply system within the coaches. This involves testing water distribution, plumbing fixtures, and related equipment to ensure reliable operation.

Fire Safety System: Perform commissioning tests on the fire safety system to ensure its effectiveness in detecting and suppressing fire incidents. This includes checking the functionality of smoke detectors, fire alarms, fire suppression systems, and emergency exits.

Brake System: Carry out commissioning activities on the brake system to ensure optimal performance and safety. This includes testing the functionality of braking components, such as brake pads, brake lines, and emergency braking systems.

Jun 2014 – Feb 2015

Schlumberger, Kazakhstan - Aksai

Electronics technician

Well Service (Fracturing, Coiled tubing, Cementing) maintenance team

Conducting preventative, planned, and unplanned maintenance on company equipment, ensuring optimal performance and reliability.

Utilizing diagnostic tools and techniques to troubleshoot equipment issues and identify root causes of failures.

Participating in well-site operations to gain a comprehensive understanding of the application and operating conditions of well service equipment.

Sensor Repair and Configuration.

Repairing and configuring a variety of sensors, including pressure, speed, temperature, weight, level, flow, and density sensors from reputable brands such as Viatran, Honeywell, Yokogawa, Emerson, Endress + Hauser, MicroMotion, Telemecanique, Danfoss, and MD Totco.

PLC Setup and Firmware Update.

Setting up and performing firmware updates on programmable logic controllers (PLCs) such as DCU, EIM, CTRi, Servo DCU, Yokogawa, and Siemens to ensure proper functionality and integration with the equipment.

Engine Fault Diagnostics, utilizing specialized software to diagnose faults in engines from Caterpillar, Detroit Diesel, and Cummins, ensuring timely and accurate troubleshooting and repair.

Configuring human-machine interfaces (HMIs) such as FracCAT, CemCAT, CoilCAT.

Reporting all activities honestly and accurately, promoting a culture of safety awareness within the maintenance community.

Supporting management efforts to minimize general quality and HSE (Health, Safety, and Environment) risks and adhering to safety regulations.

Participating in district HSE and quality initiatives and programs, including risk assessments, quality improvements, emergency response plans, and HSE & SQ (Service Quality) objectives.

Using the QUEST system to report incidents and follow up on action items.

Continuously striving to optimize maintenance procedures for improved safety and efficiency.

Maintaining strict confidentiality of Schlumberger and client information.

Actively participating in location learning and performance training (LPT), attending seminars, and engaging in personal study to enhance operational and technical knowledge of well service tools.

Developing skills and knowledge in the safe and proper operation of selected well service equipment.

Promoting the importance of data and service quality within the maintenance community.

Reviewing progress and discussing goals with supervisors, maintaining training records in iLearn for ongoing professional development.

Achievements

- Advanced People Online Education
CEO of the online school for Engineer
- SIPOK platform for hiring
Start-up CEO for the unique AI-driven platform to help Company and Candidate find each other
- ZuZi online school
Start-up CEO for online classes to teach all about AI products

Courses

Data Science Course

Udemy - Career 365

MBA Course

Udemy - Haroun

PMP Exam prep Course

Udemy - TIA Education

Skills

Leading CAPEX & OPEX from feasibility to start-up

Have proven experience to achieve project milestones ahead of schedule

Excellent leadership and mentorship skills

Creative problem solving mindset

Adaptive to new environments and open for relocations