Aritza Gerges

Instrument Engineer

Instrument Engineer with 1 year of experience in designing, installing, and maintaining control systems and instrumentation for various industries. Proficient in analyzing and troubleshooting control system issues, ensuring optimal system performance, and adhering to safety and regulatory standards. Highly skilled in utilizing various software tools and technologies, and committed to continuous professional development. Demonstrated ability to work effectively in fast-paced, collaborative environments, while maintaining excellent communication and problem-solving skills.

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123 Main St, Cheyenne, WY 82001

Education

Bachelor of Engineering in Instrumentation and Control Engineering at University of Wyoming, Laramie, WY

Sep 2018 - May 2022

Relevant Coursework: Instrumentation and Control Systems, Process Control, Industrial Automation, Robotics, PLC programming, SCADA, Embedded Systems, Digital Signal Processing, and Sensors & Transducers.

Links

linkedin.com/in/aritzagerges

Skills

- AutoCAD
- PLC programming
- HART communication
- SCADA systems
- DCS configuration
- P&ID interpretation
- Loop tuning

Employment History

Instrument Engineer at Coffey Engineering & Surveying, WY

Apr 2023 - Present

- Successfully designed and implemented a new instrumentation system for a major oil refinery project, resulting in a 15% increase in efficiency and a 10% reduction in maintenance costs.
- Led a team of engineers in the development and installation of advanced monitoring equipment for a large-scale pipeline project, increasing overall pipeline safety by 20% and reducing downtime due to maintenance by 25%.
- Oversaw the integration of state-of-the-art control systems for a wastewater treatment plant, improving operational efficiency by 30% and reducing energy consumption by 15%.
- Conducted comprehensive audits and assessments of existing instrumentation systems for multiple clients, identifying opportunities for optimization and cost savings, resulting in an average improvement of 12% in system performance and a 7% reduction in operating costs.

Associate Instrument Engineer at Trihydro Corporation, WY

Jul 2022 - Feb 2023

- Successfully designed and implemented a new instrumentation system for a major client, resulting in a 20% increase in overall plant efficiency and savings of $1.5 million annually.
- Led a team of 4 engineers in the successful completion of a complex instrument upgrade project, improving system accuracy by 15% and reducing maintenance costs by 25%.
- Developed and executed a comprehensive preventive maintenance program for all instrumentation equipment, reducing downtime by 30% and increasing equipment lifespan by 20%.
- Streamlined the procurement process for instrumentation components, achieving a 10% reduction in lead times and a 5% cost savings on an annual budget of $500,000.

Certificates

Certified Automation Professional (CAP)

Dec 2021

Certified Control Systems Technician (CCST)

Feb 2020