



JOB TITLE:	Instrumentation and Controls Technician
COMPANY:	Didion Ethanol, Inc.
LOCATION:	Cambria, WI
REPORTS TO:	Maintenance Manager

POSITION DESCRIPTION:

The Instrumentation and Controls Technician is responsible for developing and designing the application of instrumentation and control systems to integrate with the existing control systems (including PLC's) in a Delta-T ethanol production facility. This includes equipment modifications and upgrades as well as for plant equipment expansions.

RESPONSIBILITIES:

Primary responsibility is to evaluate existing instrumentation and control designs and processes to improve accuracy, reliability and calibration records. Actively identifies and recommends alternative technologies or options to meet today's process needs while actively searching and identifying the trends and technology for tomorrow's needs. Specific responsibilities include:

- Responsible for recommending, sourcing, and ensuring proper installation of new instruments and PLC's in a manner that will provide accurate, reliable process control.
- Provides hands on assistance to plant personnel with trouble shooting instrumentation problems, including system calibration.
- Performs general instrument/electrical maintenance under the direction of the maintenance manager, including electronic, electric, pneumatic and hydraulic instrumentation and accurately calibrating meters and transmitters.
- Monitors plant instrumentation for proper operation and calibration, seeks improvement recommendations from internal departments, and makes efficiency recommendations to maintenance and operations as identified.
- Collaborates with production, sourcing and maintenance personnel in the improvement and/or optimization of plant instrumentation including system monitoring for production performance.
- Proposes instrumentation maintenance schedules and tasks to maintain efficacy and reliability of instruments.
- Recommends proper stock items for instruments and PLC's and quantity levels to ensure production disruption is minimized.
- Working with the Maintenance department, maintains current instrumentation and parameter drawings and database.
- Demonstrates proficiency with process control software used for tuning P&ID loops.

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REQUIREMENTS:

To qualify for this position, an individual must possess any combination of experience and education that would likely produce the desired job outcomes. Specific requirements include:

- Minimum of an Associate's Degree in Instrumentation Technology, Electronic Controls or related discipline, or related equivalent experience.
- Three to five years' experience in overall plant maintenance.
- Significant demonstrable knowledge and experience in the area of plant instrumentation, electrical systems and maintenance.
- Ability to read and interpret equipment wiring diagrams, and piping and instrument diagrams.
- Developed computer skills needed for calibration programs and Computerized Maintenance Management Systems (CMMS).
- Strong working knowledge of CMMS, PLC's and DCS.
- Experience with Delta-T ethanol plants is strongly preferred.
- Experience with various Microsoft programs including Word, Excel, and Outlook
- Excellent interpersonal and collaboration skills required to liaise with internal project teams and external vendors.
- Strong organization skills along with strong written and verbal communication skills
- Ability to work independently in a fast-paced environment
- Ability to work in a team environment with changing priorities and time pressures
- Ability to take field measurements to verify new installation or modifications

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