

EXPERIENCE

SENIOR INSTRUMENT & ELECTRICAL RELIABILITY ENGINEER

Detroit, MI

01/2016 – present

- Employ Process Safety Management (PSM) by using the Management Of Change (MOC) process
- Understand and manage key risks by establishing a risk profile aligned with INVISTA's expectations
- Apply ITPM Strategies and Deficiency Management to critical assets
- Execute and mentor the completion of root cause analysis (Cause Mapping) of unplanned failures of equipment
- Lead Root Cause Analysis investigations and resulting action items
- Timely completion of all action items generated during the closing report of manufacturing area Process Hazard Analysis
- Model safety and environmental excellence, in a manner consistent with INVISTA values and principles

AUTOMATION & ELECTRICAL RELIABILITY ENGINEER

Detroit, MI

08/2011 – 08/2015

- Partner with supply chain to support and leverage global service and purchasing agreements
- Exposure working with centrifugal compressors and extensive engine knowledge
- Provide process control expertise utilizing Allen-Bradley, Bristol Babcock, GE Intellution, Woodward, and other types of control system equipment
- Develop risk assessments and long-term plans for critical control and electrical equipment to mitigate exposure to company
- Provide guidance for the selection and specification of new electrical equipment on capital projects, participating as a technical adviser on capital projects and turnarounds to internal and external entities
- Develop technical documentation for company's policies, plans, and procedures
- Leads investigations for complex technical issues and drives to a resolution

ELECTRICAL RELIABILITY ENGINEER

Detroit, MI

12/2007 – 07/2011

- Manage multiple priorities and meet established deadlines
- Performs root cause failure analysis on electrical equipment, develops corrective action and tracks results
- Design component/system level functional/performance/life test method and develop the equipment
- Provide after- hours assistance to shift electricians and participate in after hrs on call roster
- Initiate and implement projects to improve the distribution system, including evaluating and providing technical solutions
- Provides input and participates in the development of the maintenance budgets and forecasts
- Develop and continuously improve Pd/PM programs. check effectiveness with periodic quality checks

EDUCATION

IOWA STATE UNIVERSITY

Bachelor's Degree in Electrical Engineering

SKILLS

- Strong leadership – enables and encourages the success of our employees
- Proven knowledge of reliability methodologies and strategies such as RCM, TPM, Spare Parts Management, Planning & Scheduling and CMMS optimization
- Ability to lead teams toward a common goal
- Strong computer skills especially with MS products
- Demonstrated ability to handle multiple priorities
- Effective communication skills with ability to communicate internally and externally with all levels of the organization
- Strongly motivated individual who works independently with minimal supervision
- Ability to work in a team based environment
- Experience with preventative and predictive techniques to improve the equipment reliability
- Experience and knowledge of thermography