

Hemang Shah

E&I Reliability Engineer - Suncor Energy Inc

King of Prussia, PA - Email me on Indeed: indeed.com/r/Hemang-Shah/5bbe81f19a2247ab

- Experience in engineering design, commissioning and maintenance of Electrical, Instrumentation and Control Systems
- Outstanding problem solving, troubleshooting, decision making and documentation skills
- Strong interpersonal, analytical, organizational and communication skills
- Proficient with: Spreadsheet/ Word-Processing/ Presentation Packages, MS - Office, Auto-CAD, SAP PM/ PS module, SmartPlant Instrumentation, DeltaV, Honeywell Experion
- Leadership skills and public speaking abilities
- Proven aptitude for learning quickly and adapting to any situation
- Demonstrated ability to work well independently or as part of a team
- Flexible to work call-ins, extended work hours and/or shift assignments
- USA work sponsorship not required - Green Card Holder

WORK EXPERIENCE

E&I Reliability Engineer

Suncor Energy Inc - Fort McMurray, AB - March 2011 to Present

Working towards continuous improvement and reliability of Oil Sands Extraction Instrumentation/ Control System/ Electrical assets through the application of effective reliability strategies, root cause analysis and problem solving

- Front end engineering and technical support to maintenance execution group during shutdown, turn-around and unexpected equipment failure
- Comply with Suncor standards and policies
- Prepare engineering work scopes for repair and new installation of assets in area during scheduled maintenance outage
- Work with various disciplines to improve plant reliability, which includes equipment design changes, bad actor resolution, work procedure update, equipment strategies improvement
- Troubleshoot instruments and electrical equipment as required
- Evaluate and identify hazard conditions and provide effective mitigation strategies to the area engineering lead
- Create/update SAP masterdata for instrumentation and electrical assets
- Assist in development and implementation of preventive and predictive maintenance plan
- Part of alarm reduction, DCS logic clean-up and legacy bypass removal team
- Lead and provide technical support to in-house projects: Prepare design and construction scope, execute project with contractors and staff technicians, technical document control
- Design, commissioning and start-up support to business unit capital projects

I&C Reliability Engineer

Suncor Energy Inc - Fort McMurray, AB - April 2010 to February 2011

Part of the Instrumentation & Control Systems Reliability Engineering Team; contracting through Rotaflow Controls Inc.

- Worked with vendors and other disciplines at Suncor to prepare instrument datasheets for control valves, transmitters, process safety valves and flow instruments and updated relevant drawings

- Interfaced with operations, maintenance, process and projects to prepare and review instrument scope Construction Work Package (CWP), Scoping Studies and Business Cases
- Created ILPs, worked on PM notifications and confirmed FLOC/MM/BOM for instruments in SAP
- Supported Process Safety Information (PSI) walkdowns and documents verification

I&C Engineer

Bantrel Co - Calgary, AB - November 2008 to February 2009

Preparation and update of control system scope, I/O count and P&ID review for the Suncor Voyageur project

- Worked with Instrument Index team in maintaining and issuing Instrument index
- Helped with various engineering quality check processes

Control System Engineer, Petro-Canada Edmonton Refinery

Bantrel Automation - Edmonton, AB - August 2007 to October 2008

Worked in Multiple EPC environment on the Petro-Canada Refinery Conversion Project (RCP). Automation platform was Honeywell Experion PKS system, with Honeywell C-200 controllers and Triconex safety system.

- Completed pre-commissioning activities for Sulphur Recovery Unit (SRU), including Site Acceptance Testing (SAT) for automation hardware, loop checks and control narrative checks
- Assisted in troubleshooting field devices
- Interfaced directly with Client, other EPC and field sub-contractor
- Obtained process control knowledge for Sulphur Recovery Unit
- Supported in Factory Acceptance Test (FAT) and post-FAT closeout activities, including updating of Control Narratives and Drawings, prior to going to site

I&C Engineer

Bantrel Co - Calgary, AB - April 2006 to August 2007

Part of the I&C Engineering Team for Petro-Canada Refinery Conversion Project (RCP)

- Responsible for updating and issuing Instrument scope Construction Work Package (CWP) and Instrument Index
- Supported senior engineers in preparation of Instrument datasheets, Instrument specifications, sizing/ selecting control valves, gauges, transmitters and flow elements
- Worked with Vendor and other disciplines at Bantrel for HVAC system design
- Helped Instrument Index team in developing and maintaining Instrument index
- PIW REBIS Skills: Instrument Index, Instrument Datasheets, Wiring Module, Loop Drawings

Instrumentation Engineer

Aker Kvaerner Process Systems Canada Inc - Calgary, AB - May 2005 to November 2005

Involved in engineering (Engineering, Procurement and Construction, EPC) of the Tabnak Gas Plant (Capacity: 1520 MMscfd, Iran)

- Assist senior engineers in preparation of Instrument datasheets, Instrument specifications, sizing/ selecting control valves and flow elements
- Interact with Process and Piping departments for design review
- Developed Microsoft Access and InTools Instrument index from P&IDs
- InTools Skills: Instrument Index, Instrument Datasheets, Wiring Module, Loop Drawings, InTools Support Administrator for the Calgary Office

EDUCATION

Master of Engineering in Electrical Engineering

University of Calgary - Calgary, AB

Bachelor of Science in Electronics Engineering

DeVry University - Phoenix, AZ