

## ENGINEERING MANAGER

### Summary

Versatile bilingual Electronics and Instrumentation Engineer with multi industry experience of + 9 years demonstrated ability to lead an engineering team, and handle multiple projects from conceptualization through fabrication with high accuracy and in a timely manner.

### Highlights

- Fluent in Spanish
- Strong decision maker
- Work well under pressure
- Initiative to work independently
- EIT License in process
- Autocad and SAP user
- Python and Labview training
- ASME and OSHA training

### Experience

05/2014 to 07/2016

Engineering Manager Company Name 1/4 City , State

- A Lead and assigned the activities of the product engineering multidisciplinary team consisting in 5 people, during the EPC project of gas treatment plant Cardon IV and other projects.
- Reviewed third party design drawings and MTOs. Tracked all material to be sent to Venezuela for Cardon IV.
- Served as Project Manager during proposal and beginning of fabrication of skid mounted pressure vessels for Parnaiba Brazil
- Supported other departments with estimation of materials for proposals and creation/codification of a material database in SAP.
- Reviewed, and approved P&IDs, Isometrics, fabrication drawings and other engineering documents to be used by in-house manufacturing shop.
- Technical support for the manufacturing shop.
- Implemented department procedures and forms.
- Evaluated performance of supervisees at the end of year and keep track of vacations/sick days.

03/2012 to 05/2014

Instrumentation Engineer Company Name 1/4 City , State

- Served as Project Engineer in the proposal and fabrication of pressure vessels being outsourced and the skid mounted in-house delivered on time and within the budget.
- Selected adequate instruments and junction boxes for skid mounted pressure vessel during several projects according to P&ID, datasheets and area clasification
- Used AUTOCAD to modify P&ID and to create one-line connection diagrams for junction boxes.
- Developed datasheet formats for instruments.

05/2010 to 03/2012

Electrical Engineer/Sustaining Engineer Company Name 1/4 City , State

- Oversaw the internal and outsourced manufacturing of new line of sensors used in pipeline inspection tools(ID Discrimination/Deformation Module and Magnetic Flux Leakage). Provided assembly training and procedures. Continuously evaluated the quality of the sensors and reduction of the assembly time.
- Designed PCB using Altium Designer for a Testing fixture for ID discrimination/deformation sensors
- Designed and characterized a power supply for an INS module:including selection of components, prototype, schematics PCB, final test and documentation.
- Performed root cause failure and troubleshooting of sensors.
- Improved the reliability of Magnetic Flux leakage sensors by modifying PCBs using Altium designer

01/2007 to 05/2010

Electronics Designer Engineer /Manufacturing Engineer Company Name 1/4 City , State

- Designed the PCBs of two mosquito control box and a solar powered electronic pesticide.
- Collaborated with software engineers to specify the product , estimated material, build a prototype , testing and release it to production.
- Troubleshoot and repaired PCB manufacturing in-house
- Prepared fabrication documentation for manufacturing (BOMs Schematics, procedures assembly operational and testing ).
- Served as Project Engineer in proposals for new project (analyzed system requirements, capacity, cost, and customer needs to determine feasibility of project)
- Modify PCB schematics and layouts using Cadence and Altium Designer to reduce cost of components or to add new modules/functions.
- Designed PCBs Testing Fixtures using AutoCAD

12/2005 to 01/2007

Project Engineer /Electrical Design Engineer Company Name 1/4 City , State

- Specified Component, validated product and released fabrication documents as BOM, drawings and technical specification of the Motor and Motor control of the washer machine.
- Generated a series of tests (DOEs) based in analysis of the variables that could affect the performance of the washer machine and its

- FMEA, validating the results of the test by proving statistics and visual analysis of the tests. Ensured product complied with UL and ROHs
- Converted a wrinkle releaser to ROHs by analysis BOMs and selecting components appropriated.

01/2004 to 12/2005

Professor Assistant and Labview programmer Company Name i¼ City , State

- Provided training of Labview to Engineering Students.
- Developed of projects of remote control of testing instruments (Oscilloscope, Signal generator, power supply, multi-meter) using LabView, acquisition cards from Nationals Instruments used by students to take real measurement while doing homework.

Education

2005

Master of Science : Electronics Engineering Instituto Tecnol³gico de Monterrey campus Monterrey (ITESM) i¼ City , State , MÃ©xico

2003

Bachelor of Science : Electronics Engineering in Instrumentation and Control Instituto Tecnológico de Chihuahua i¼ City , State , Mexico

Skills

Great organizational skills. Self-motivated , work well under minimum supervision. Lifelong learner