Michael Hembra

Process Data Engineer - Shell

Sta. Rosa Laguna

- Email me on Indeed: http://www.indeed.com/r/Michael-Hembra/897e1e0c3ed160f1

"Fully utilize my skills and knowledge and be an instrument to the advancement of technology."
SUMMARY OF PROFFESIONAL EXPERIENCE

I have 15 years work experience in the industry of solar manufacturing and oil and gas. A start-up engineer in Sunpower who created and established business process flow within the organization. Below is my current & previous accomplishments and function that I handled

Below are the major reports that has a business process flow which I created and established. I regularly update it to align with the latest update or new work process. All of these are documented and are aligned with the concerned managers and engineers

KPI Report (Key Performance Indicator) - established the business process in data gathering and how to address the concerns and issues. It shows the detailed activities with its responsible person and time or duration.

RDD Dashboard Metric- (Research & Development & Deployment) - shows the overall health status of the RDD department. Established the business process on data gathering. The flow focuses on the activities with it responsible engineer. This i

WGR Monitoring (wire guide roller) -WGR is a critical part of a machine which is expensive and has a long shipment. I created this monitoring and save up to $23,000 in shipment cost. This helped us forecast efficiently the requirements up to 3months plan. In addition I establish business process flow on how to use and read it.

Equipment/furniture Delivery Metrics - i handled from the purchase to delivery, installation until endorsement to end user. Catered 4 production line all the same time. The metrics should be JIT (just in time) since it there are no area for staging. I created the business process flow to eliminate confusion between, fabrication, buyer and end user. This help a lot in the organization since delivery was smooth and organized.

Manufacturing Peripherals and Smocks - in the early days of sunpower, (start up company), there no business process flow. I lead a group and created and established the business process flow for all the manufacturing peripherals and smocks from buying to receiving and deployment. This help the company achieve a smooth processing and avoid downtime due poor communication and downtime due to peripherals and smocks

MS Excel user - knowledge and heavy user of ms excel office. Use for day to day data analysis. Create reports and monitoring table for the project progression
MS Powerpoint user - knowledge and heavy user of ms powerpoint for the presentation creation.

SAP USER - Currently assigned in Thailand Terminals under the DGIP Team, which focuses on the re-structure of the whole asset (functional location and Equipment) framework. The project includes up to the Maintenance Item and plan set-up.
Focal person in US and Canada sites in maintaining data accuracy in SAP. This includes checking of assets with the use of data quality tools.
Oracle User - had been a super user. Focal person in setting up new product numbers in oracle in manufacturing
Integration - Focal person created an interdepartmental team that are needed in integrating the Oracle and MES.
Planner - experienced in planning, warehousing and scheduling the loading and output of a manufacturing line.
Process and quality Improvements - exposed and used tools like VSM, Lean manufacturing to eliminate waste and improve the products quality
Autocad - Basic knowledge in autocad. Supported office layout.

Work Experience

Process Data Engineer
Shell
November 2016 to Present

Systems Application and Products
Handles SAP Plant Maintenance Engineering Master Data including Process Data Migrations and Data Quality Assurance & Master Data Management

• Responsible for data maintenance - creating, maintaining, data assurance, cleansing, correcting and documenting the data as well as generating reports in SAP and Preventive Maintenance Planning for Trading and Supply

• Create and maintain master data and ensure the integrity of the data and conformance with global data standards
• Assist Team Manager in people management and development of team members including coaching and mentoring in delivering Operational Excellence

• Responsible for SAP-PM & AIM-EDMS Technical Assets business process
• Manages stakeholders of various operating units through effective communication and identifying and resolving the bottlenecks for data analysis, maintaining issue logs and the use the same in implementing changes/ improvements in the process.

Current Project
D-GAME Improvement Project Lead (TH - Thailand)
• Focal in aligning the asset registry of the terminals of SHELL in GSAP with PEFS / P&ID for Thailand and supported other terminals in Asia

• Lead in aligning and updating the P&ID for the supported Terminals
• Supported in updating the Reliability and Integrity Plan for the terminals in Asia
• Assisted in creating/changing Task List, Maintenance Item and Maintenance Plan for supported according to Reliability and Integrity Plan

Senior Operations Engineer (RD&D)
Sunpower
June 2012 to September 2016

Oversee the whole flow of the business process from start, until it goes to STO runs, until Module build. Heads up the team if there will be critical path on the next three weeks and create plan of action.

Leads the integration of system for New Product (RD&D)
Exposed on ORACLE, ARENA, & MES system.
Create an interdepartmental team which will support the integration.
The team composes from planning, finance, planning, purchasing, engineering & IT.
Coordinates with the Module Partners (Mexico & Philippines) for the set-up
Manage RD&D Builds (Lots & STO). Consolidate the request, monitor and update status of builds to the team.
Established communication with module partner & manage the logistics of module shipment.
Monitor the CAPEX / OPEX of the team. Advice the Finance team If there are erroneous transaction
Forecast the material & logistic requirements of the team and Monitor the usage/consumption.
Improves the business process flow for more efficient working business within the department as well with the other departments:

Integration of MES & Oracle business process
• Lot request Business process
• Bin q Transaction (oracle)
• Module request both in Mexico & Philippines
• Use MS office EXCEL in creation of monitoring templates. Plays with PIVOT TABLE to extract significant data needed.
Lot Request template
• Module request template
• STO build template
• Dashboard template

Production Planner Control II (PPC II)
Sunpower
June 2008 to June 2012

Manpower Management planning (Monitors movement: newly hire, current status, promotions and resignation)
Inventory focal (Maintain zero discrepancy: from raw material up to finished product)
Focal in oracle system & mes (local system) transactions
Monitor, forecast and improve the production peripherals and furniture
Parallel work of PPC 1 (Back-up)
Buyer / Planner
Integrator - leads the integration of oracle and local MES
Coordinator

Achievements
Cost reduction: Utilization of manpower headcount
• Leads the Integration of Oracle and MES

Production Planner

Sunpower
May 2006 to June 2008

Scheduling of non-production runs (engineering/lifetime) and scheduled equipment downtime.
Manage wiresaw warehouse operation
Planning of WGR supply
Develop transition plan for set-up changes

Achievements
Enhance load length distribution database
• WGR Management
• Business process flow

Production Scheduler

Sunpower
May 2005 to May 2006

Monitor, forecast and improve the production peripherals (Fab and Wiresaw)
Monitor, forecast and improve the production furniture (Fab and Wiresaw)
Create design with vendor for better ergonomic furniture (Fab and Wiresaw)
Design production lay-out

Achievements
Cell recovery Team: Lead a batch of engineers in recovering a big volume of scrapped due to electrical problem.
• Engineering management
• Design ergonomic furniture/peripherals
• Fab1 L2 ~ L4 Start up of furniture and Peripheral Requirements

Lead Technician

Sunpower
June 2004 to May 2005

Ensures good quality output based on defined parameters and control on-time delivery of products.
June 2004 - May 2005 Ensures production downtimes are properly recorded and attended.
Perform minor tool set-up and machine adjustment.
Take lead role in improvement programs like SPC, TPM and 5S.
Reports to manufacturing supervisor and observe line abnormalities, whether it is machine, process or material
Escalate problem(s) encountered to manufacturing supervisor.
Assist other engineers (process, maintenance, IE) during evaluations.
Support other production area as deemed necessary by manufacturing supervisor

Achievements
Member of "IE Team"
• One of the pioneer lead technicians of plating tool process.
• SPC Member.

Seminars Attended
Year Seminars / Trainings

Education

BS in Technology
BS Industrial Engineering
1998 to 2003

Basic Computer Aided Design CAD
Mapua Institute of Technology - Manila
November 1999 to March 2000

Saint Andrew's School
1994 to 1998

Religion
Don Carlo Cavina School
1988 to 1994