

Maher Alrai

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Apple Valley, MN, USA

SUMMARY

Over 20 years of experience in Product Lifecycle Management (PLM) including architecture design, Quality Assurance, configuration and business process management - **US Citizen**

- Experienced in several industries including automotive OEM major platform, Automotive tier 2 OEM suppliers, Capital Equipment, Power Generation, and DOD & Aerospace - PLM experience includes DS-Enovia, PTC-Windchill and SAP-PLM

Experience:

RAI Services LLC Business- Veloncio - Renewable Energy Developer/Principal

5/2016- Present

Project Completion

- Led a consortium (Tetra Tech, Shanghai Municipal Investment and RAI SC) that was shortlisted to participate of the 1500 Tons Per Day Waste to Energy project for the Greater Amman Municipality. Tender No. 32/1/2015 Design-Build-Operate-Transfer a Municipal Solid Waste-to-Energy Facility. The project was cancelled by the central government- Amman, Jordan
- Completed the design and pricing of 7.5 MW Containerized Powerplant CAT system for a cement plant in Jordan
- Provided an energy assessment to a closed two Jordanian steel mills that if they utilized a waste heat recovery system and PV system within their facilities to offset the national grid FIT, their energy annual spending will be dropped 25-36% of their expenditure- Jordan
- Completed downstream bulk filtration system for Fuel (Diesel #2) (fuel/water separator, polishing filtration, clean DEF Filter, Tank Breather system)- Kuwait
- led a consortium for the round I Solar tender in Jordan and sold the project to local investor – 20 MWe PV solar project in Mafreq- Jordan

RAI Services LLC Business Process Analyst/Project Manager “Consultant”

Boston Scientific

“Medical Devices Manufacturer”

10/2015-4/2016

- Assessment of the standardization of the complaint systems for various Boston Scientific divisions
- Using the PTC Windchill Customer Experience Management (CEM) module as the corporate tool
- Worked with the ERP/legacy system/CRM team and systems to extract the QA data modeling
- Optimize/harmonize customer’s various business processes to synchronize with the CEM current functionalities
- led various Proof of Concepts (POCs) for critical QA features prior to software modifications.

Procter & Gamble Co.

“Consumer Packaged Goods & Retail Business”

2014-9/2015

- Establish/lead the "AS-IS" blue printing and "TO-BE" customer workshops
- Optimize/harmonize customer’s various business processes to synchronize with the PLM technical requirements
- Design and implement the top-level use case, sub-cases per customer requirements
- Develop and build various Proof of Concepts (POCs) for critical features prior to software modifications.
- Act as Business Process Solution for the in the DS-Enovia V6 material compliance and AML modules
- Developed DS-Enovia v6 design modular bill of material that covers the “150% eBOM” or the “max case” design.
- Designed DS-Enovia v6 Configure to Order system to allow the sales team to order all the designed features as a possible combination into a single salable model
- Establish lean product structure per the customer requirements utilizing the PLM product structure
- Develop the functional design documents per the customer requirements
- Enovia v6 2013 and Enovia 2015 Engineering central, material compliance and CATIA integration implementation.

- Elliott Group** "Oil/Gas/Chemical" **2013-2014**
- Three Business units consolidating the PLM processes- North America and Japan
 - Establish/lead the "AS-IS" blue printing and "TO-BE" customer workshops
 - Optimize/harmonize customer's various business processes to synchronize with the PLM technical requirements
 - Windchill PDMlink (v10.2) Implementation
- Cooper Standards** "Tier-2 Automotive Supplier" **2012-2013**
- Four Business units consolidating the PLM processes- North America and Europe
 - Establish/lead the "AS-IS" blue printing and "TO-BE" customer workshops
 - Optimize/harmonize customer's various business processes to synchronize with the PLM technical requirements
 - Windchill PDMlink (v10.1) Implementation
- Ingersoll Rand, Climate Solutions** **2011-2012**
- Sourcing Process Manager
- Support the development of Procurement Information Architecture from various independent legacy systems
 - Collaborate with CS operations with logistics and material flow
 - Lead sourcing processes that pertain to source change and value analysis
 - Support new product and sustaining projects with strategic suppliers
 - Category segmentations and material inflation/deflation analysis
- ECC Division, Honeywell International** **2005-2011**
- Business Process Manager
- Led process reengineering efforts for configuration management, including change control of product technical information and global procedures
 - Perform fit/gap analysis on PLM functional processes
 - Perform SAP-PLM feasibility into the ECC business division with various constrained of the OOTB software
 - Developed product As- Built methodology for server systems that collect, measure, and analyze, in real-time, data on manufactured firmware systems
 - Develop change control process to ensure production test equipment software is integrated with product embedded configuration
 - Led PLM implementation for an acquisition division (\$100 million division) focused on enabling the Enovia As-Planned process as it pertains to general configuration management process and championed the first contract mfg. business processes that coupled with customizing Enovia module to complement the legacy PDM systems
 - Led the Approved Manufacturer List (AML) module that serves several global design and supply chain networks
 - Developed Enovia As-Design bill of materials structure for various divisions
 - Mentor and direct work for CM (senior/junior) staff of other global line of business
 - On-going Collaboration with global design, marketing, supply chain, manufacturing communities in PLM functional requirements to ensure PLM quality, reduce unnecessary customizations/upgradeability risk
- GTS Division, Donaldson Company Inc. (MENA Region)** **2003-2005**
- Program/Quality Manager
- Manage Donaldson GTS projects in the region
 - Pre-Sales Technical Advisor for the GTS Air Inlet Filtration
 - Manage Industrial Construction Management (Earthwork Equipment, Foundation Engineering, Sheet Metal/Electrical Installation)
 - Manage and evaluate current and new Donaldson regional supplier base
 - Manage commissioning and repair assignments
- Compressed Air Division, Donaldson Company Inc.** **2001-2003**
- Project Manager
- Product Assignee to two international OEM accounts
 - Project Manager for new customer's program. Led the Air/Oil Separators Aftermarket program (\$7.5 Million)
 - Release filtration products for different air compressed applications
 - Fluid Power spin-on and cartridge filtration design applied knowledge

- Interface with Development and Manufacturing staff for new products
- Delegate work for a Junior Engineer/Designers
- Work with Donaldson India to establish drafting resources
- Execute design Failure Mode Analysis of new/current products

Industrial Air Division, Donaldson Company Inc.

1995-2001

Project Engineer

- Develop Configured to Order system for the Dust collection product line
- Establish BOM synchronization system between engineering/manufacturing
- Act as the Process Architect for the PDM system for the dust collection group
- Led mini-projects to enhance current products, solve field failure problems
- Implement change orders (ECOs), knowledge of the configuration management methods and procedures

Engine Division, Donaldson Company Inc.

1993-1995

Quality Assurance Engineer

- Coordinate the First Article Inspection/PPAP reports
- Work with plants, OEM and Sales/Marketing in QA issues
- Analyze the offline and online testing methods of piece parts and systems of 3rd party mfg.
- Manage ECO implementation and supervise CM technicians

EDUCATION CERTIFICATION:

National Defense Industrial Association

2008

- Certified Configuration Data Management- Manager Level
 ✦ **CCDM License # 620**

University of St. Thomas, Saint Paul, MN

2003

- Master of Science in Manufacturing Systems

California State University, Sacramento

1993

- Bachelor of Science in Mechanical Engineering

Skills:

- Enterprise Architect version 12 Experience
- Business Process Modeling Notation (BPMN) Training
- SAP/Oracle Manufacturing Module Extensive Experience
- PLM (Enovia v6/Windchill v10, SAP- PLM v6, Team Center 9.1) Extensive Experience
- PRO-E/CREO/UG-NX/SolidWorks/Expedition Extensive Experience
- Subversion/JIRA Extensive Experience
- Lean manufacturing/Theory of Constraints and Honeywell DFSS Green Belt Training