

Valentine Opara

Operation Support Engineer

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Summary

- Around 9 years of Manufacturing Engineering experience in Finite Element Analysis, structural mechanics, engineering calculations, drawing development and technical reports.
- Extensive experience in the development and manufacturing of consumer electronic products, medical device, Telecommunication equipment, Motion Control & Positioning equipment, Power distribution products for Utilities and LED lighting systems.
- Expert in (R18 thru Wind chill, Wildfire R4 & 5, Creo R1 & 2, FLOTHERM & Pro-Mechanical - FEA Design, tolerance analysis, PCB layout and board level thermal analyze & Pro-Cable)
- Experience in Enovia, CAD, & MRP/ERP systems such as SAP Ariba to SAP S4, for Supply chain solutions, ORACLE 11i, CATIA V.5, DELMIA Simulation Tool, CS/CAPP, Western Digital Systems (WDS) EPACS, Access, Crystal Reports, Compass Contracts, SAP/r3, Manugistics, Velocity, REDARS, ECC. Solid works, and Cognos
- Working experience in New Products Engineering knowledge with cross - functional experience in IT Solutions, Operations, Procurement, Finance, and Supply-chain management in Developing a Turn-key Production Assembly to direct teams in achieving Customer's goals.
- Excellent knowledge of ECC for the development of QBUS, Tooling, ERP resolution, Finance cells, Engineering specifications.

Skills

Hardware:	Woodward ECUs, Kvaser CAN
Software:	MS Word, MS Excel, MS Project, MS Power Point
Design and Analysis Software:	Simulink, AutoCAD, PTC CREO, CATIA V5, Abaqus FEA, GD&T, Lean Six Sigma, JIT, FMEA, DMAIC, 5 Why's, Tolerancing, SOLIDWORKS
Other Tools:	Tolteq mwd, Nov Down hole

Education

Bachelors in Mechanical Engineering

Rivers State University Port Harcourt, Nigeria

Experience

Honeywell Internationals, MO | Apr 2021- Current

Position: Operation Support Engineer

Duties:

- Design a 3D model of the Segway system using SOLIDWORKS and analyzed the Segway system to reduce the stability time by using MATLAB.
- Create AutoCAD DXF layout for Gate drive, Control Board and Y-Cap PCB considering keep out area.
- Utilize CAD/CAM software's to design hydraulic systems, Jigs & fixtures, Weighing Scales, Plastic mold parts, Tools and other products as per client requirements, also prepared concise Standard Operating Procedures for manufacturing process.
- Lead and assist in trouble shooting of new and existing tools with GD&T, Manufacturing knowledge.
- Laise with regularly with operations team to review our operational challenges, propose solutions and continue to provide feedback upper management regarding product enhancement and KPI improvement.

- Develop training and review technical service quality materials for new product introduction, including identifying value proposition and competitive advantage.

Employer: National Oilwell Varco (Directional Drilling Technology Business segment)

Period: September 2017-March 2021

Position: DDT Engineer Sub Sahara Africa Region

Duties:

- Repair and maintenance of tolteq mwd tools, drift and man less survey tool.
- Drillbit redress.
- Service level 2 RSS maintenance on vector zeil and vector exact rotary steerable system.
- Ensure that all dmst tools are serviced in accordance with correct procedures operational procedure.
- Advice client on technical and maintenance processes relating to NOV directional measurement tools and.
- Field deployment and client training on NOV dmst tools including remote support.
- Prepare failure analysis or itrax report in field for further investigation by global engineering team.
- Project management coordination within SSA geo market.
- Gather operational data to provide feedback to product launch and enhancement to engineering team and management.
- Laise with master scheduler and supply chain management department to ensure continuous alignment between demand forecast plans to optimize schedule execution.
- Complete job documentation and run report to capture job and tool performance data.
- Software and firmware update.
- Coordinate operational logistics/maintenance demands with enhance ERP system.
- Logistics and deliveries co-ordination to client.
- continue to give feedback to clients relating to product enhancement/modification.
- Support regional and global management in co ordinating activities relating to market scoping and intelligence within Sub Sahara Africa market.

Employer: National Oilwell Varco (Drilling and Intervention Business Segment)

Period: December 2012 – September 2017

Position: Asst workshop supervisor/lead service engineer

Duties &Responsibilities:

- Adhere to all Nov downhole HSEQ policies and procedures and ensure PPE guidelines are followed and enforced in the workshop.
- Assemble, disassemble and testing of tools in accordance with service manual and standard service procedure requirement ensuring the highest level of service quality.
- Ensure safe and efficient use of workshop service and lifting equipment's following all applicable risk assessment and JSA.
- Identify potential internal itrax issues during incoming tools function testing and disassembly highlight finding to workshop supervisor and assist DSE and reliability team with tool post run investigation.
- Participate in 5s implementation and maintenance within the facility and ensure compliance.
- Responsible for maintaining high level of housekeeping and participating in preventive maintenance system to ensure workshop equipment's checks are completed and non-conforming issues reported.
- Interact with all workshop and warehouse personnel to ensure a safe and efficient workplace, proactive involvement in HSEQ system.
- Liaising with third party NDT/MPI inspectors to facilitate effective work planning to achieve desired service quality goals.
- Review of NDT inspection reports to verify components condition and accurate data entry and completion of service documentation.
- Carrying out trouble shooting during assembly and disassembly of down hole tools.
- Training of new technicians to help them build competency in workshop activities.
- Assist with general workshop duties when required, load and unload tools from truck, prepare tool for client load out, visit client location upon request for resolve tool related issues.
- West African operations tool service/maintenance support.
- Competent in Servicing of Nov Down hole tools including.