


MOHD YUSRI BIN MOHD YUSOF

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|  | Registered Graduate Programme: DPhil Email 1: myzulfiki2@live.utm.my Email 2: mot.postgraduate@gmail.com Mobile #: +6019 2774743 |
| Information about the graduate study programme | Area: Management of Technology (MoT) iKohza: - Date of registration: 7 February 2013 Field of study: Engineering Management Name of main supervisor: Prof. Dr. Nooh Abu Bakar Name of Co-supervisor: - Research abstract: To be attached |
| Educational background | Institute of FMM, Kula Lumpur, Jun 2012 – Dec 2012: Certificate of Quality Engineer (American Society for Quality, ASQ) University of Technology MARA, Dec 2008 – Dec 2010: Master Degree in Engineering Management University of Science Malaysia, July 2009 – July 2012: Bachelor Degree in Mechanical Engineering |
| Award | - |
| Working experiences | Hicom HBPO Sdn Bhd (Subsidiaries of DRB-Hicom) Shah Alam, Sleangor Quality Manager Business nature: Design, develop, assembly and logistic of Front End Module (FEM) |
| | Experiences: <ol style="list-style-type: none"> 1. Develop FEM production process together with Project and Operation team in Pekan <ul style="list-style-type: none"> - <i>Process benchmarking: Visit HBPO plant in Meerane, Germany and Pamplona, Spain</i> - <i>Process mapping and line balancing analysis</i> - <i>Process set up and lay out</i> - <i>Inventory management system</i> - <i>Reporting system</i> 2. Develop the business process of company <ul style="list-style-type: none"> - <i>Establish business process blueprint for approval</i> - <i>Operation risk analysis and feasibility study – SWOT analysis</i> |

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| | <ul style="list-style-type: none"> - <i>Business planning for 5 years and 10 years.</i> <ol style="list-style-type: none"> 3. Develop quality management system <ul style="list-style-type: none"> - <i>Established Quality Manual including Quality Policy and Quality objective for COO approval.</i> - <i>Make and implement the quality procedure according to process interaction.</i> 4. Manage ERP system (BAAN) together with supplier <ul style="list-style-type: none"> - <i>Implementation of BAAN system for process supply chain and financial report</i> - <i>Data input for components and finished goods</i> 5. Manage company KPI report and countermeasure action <ul style="list-style-type: none"> - <i>Guide all engineers and executive to execute the company initiatives plan.</i> - <i>Collect the performance data for KPI review</i> - <i>Report to COO for monthly KPI achievement</i> 6. Dealing with government agency such MIDA, ECER, Customs, Local Authority, MITI 7. Handling manpower of 9 persons |
| | <p>EP Polymers Sdn Bhd (Subsidiaries of EPMB) Shah Alam, Selangor</p> |
| | <p>Head of Quality and Inventory Department (Assistant Manager)</p> |
| | <p>Business nature: Design, develop, assembly and logistic of Intake Air Fuel Module (IAFM)</p> |
| | <p>EP Polymers Sdn Bhd (Subsidiaries of EPMB) Shah Alam, Selangor</p> |
| | <p>Head of Quality Department (Assistant Manager)</p> |
| | <p>Business nature: Design, develop, assembly and logistic of Intake Air Fuel Module (IAFM)</p> |
| | <p>Experiences:</p> <ol style="list-style-type: none"> 1. Managing Quality and Inventory department 2. Appointed as Quality Management Representative <ul style="list-style-type: none"> - <i>Established Quality Manual including Quality Policy and Quality objective for COO approval.</i> - <i>Make and implement the quality procedure according to process interaction.</i> 3. Internal Lead Auditor 4. Liaises with Customer on quality improvement 5. Control in-house quality production 6. Monitor supplier quality performance 7. Implement Environmental Management System (ISO 14001) 8. Lead the ERP implementation in organization 9. Lead the cost reduction activity |

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| | <ul style="list-style-type: none"> 10. Advisor of Innovative Creative Circle 11. Improvement of warranty claim up to RM 10.5 million 12. APQP members of new product / business development 13. Develop the quality gate in supply chain for inventory cost reduction 14. Implement Kanban System |
| | <p>Perodua Manufacturing Sdn Bhd Rawang, Selangor</p> |
| | <p>Engineer of Quality Department – Project and Development</p> |
| | <p>Business nature: Design, develop, manufacturing, assembly and logistic of car (Perodua Brand)</p> |
| | <p>Experiences:</p> <ul style="list-style-type: none"> 1. Part of project team for new and localization development <ul style="list-style-type: none"> - <i>The project team comprise of 1 manager, 9 engineers from 4 different product section which are body (3 engineers), chassis (2 engineers), electrical (2 engineers), interior (2 engineers)</i> 2. Supplier assessment <ul style="list-style-type: none"> - <i>Earlier before new project kick-off, procurement department would do supplier assessment to confirm the RFQ.</i> 3. Supplier audit at development stage <ul style="list-style-type: none"> - <i>Once project kick-off and LOI issue to supplier, procurement department will follow up and audit the supplier.</i> 4. Supplier audit at mass production stage 5. Managing part development for quality build up purpose 6. Handling part defect and supplier improvement 7. Develop quality control plan in supplier based on drawing, technical standard requirements. 8. Adoption of improvement activity to prevent problem reoccurrence <p>Project:</p> <ul style="list-style-type: none"> 1. Perodua Viva 2. Perodua Myvi (Sirion – Indonesia) 3. Perodua New Full Model Change (FMC) Myvi & Myvi SE 4. Perodua Facelift Viva 5. Perodua Alza |

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| | Sharp Manufacturing (M) Sdn Bhd Batu Pahat, Johor |
| | Engineer of Engineering Department – Project and Development |
| | Business nature: Design, develop, manufacturing, assembly and logistic of Home Electrical Appliances (VCR, DVD and Television) |
| | <p>Experiences:</p> <ol style="list-style-type: none"> 1. Joint development with Sharp Japan for DVD player and DVD writer <ul style="list-style-type: none"> - <i>Each new model or improvement model introduction, the final design is come from Sharp Japan.</i> - <i>The design package transferred to Sharp Manufacturing Malaysia for local development except critical parts such as laser pick-up, spindle motor, and pick-up motor.</i> - <i>Project kick-off between procurement, production, production engineering, quality assurance, logistic and engineering departments started with introduction of model prototype, BOM list, technical requirements, and master project schedule.</i> 2. Upload the BOM list into SAP system <ul style="list-style-type: none"> - <i>Once the process flow is identify and confirm, BOM list is uploaded into SAP system</i> - <i>Drawing / technical specification softcopy also uploaded into the system for info sharing purpose.</i> 3. Prepare the development schedule <ul style="list-style-type: none"> - <i>Procurement department invited all related suppliers and request for quotation RFQ.</i> - <i>The quotation is including equipment and consumable</i> - <i>Once the quotation selected and approved, development schedule is prepared for every items.</i> 4. Develop local part with local supplier <ul style="list-style-type: none"> - <i>Appointed supplier started review the design with related departments.</i> - <i>Tooling design is executed after all requirements are mentioned clearly and accepted by supplier.</i> - <i>Series of tooling development started with “katago”, 1st sample trial, second trial, buy off tooling, production trial, pre mass-production, and mass production.</i> - <i>The development and installation of equipment or production conveyor started after 1st sample trial and by production trial.</i> |

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| | <p>5. Set up in house production assembly process</p> <ul style="list-style-type: none"> - <i>Production assembly process is including receiving bay from logistic, sub-assembly process, main process, and completed assembly units.</i> - <i>Set up in house production needs clean room and anti-static wristband and mat.</i> - <i>Aging tester (with temperature 40^o) in production shall be controlled.</i> <p>6. Conducting durability and reliability test in house</p> <ul style="list-style-type: none"> - <i>The development series is not completed without durability and reliability test.</i> - <i>Durability test such as drop test and vibration test</i> - <i>Reliability tests are like aging test in different temp, functional consistency test and bug test.</i> <p>7. Solving part and process development problems</p> <ul style="list-style-type: none"> - <i>Development problems or findings divided to two, (i) in-house issue or (ii) supplier issue.</i> - <i>Supplier issue will be handled by quality assurance department for parts problem and production engineering for equipment problem</i> - <i>Engineering department would solve in-house issue and after-market issue.</i> - <i>Case study: High internal process rejection;</i> <ul style="list-style-type: none"> (i) <i>DVD error rate over than specification (38%)</i> <ul style="list-style-type: none"> - <i>cause of problem: laser pick-up adjustment not optimum</i> (ii) <i>Laser pick-up tilt adjustment out of specification (22%)</i> <ul style="list-style-type: none"> - (iii) <i>Aging 90 minutes rejection (17%)</i> <p>8. Involve in cost reduction activity</p> <ul style="list-style-type: none"> - <i>As part of business target, engineering department is responsible to find cost reduction by design after 6 months mass production.</i> - <i>Case study: Reduce raw material consumption by design change – Top cover of DVD mechanism reduce 45% from total raw material consume</i> - <i>Case study: Change the packaging standard – Increase quantity of spindle motor from 200 pcs / pack to 300 pcs /pack</i> <p>9. Implementing of Restriction of Hazardous Substances Directive (ROHS)</p> <ul style="list-style-type: none"> - <i>One of toughest issue is new Euro regulation introduction, to ask all electronic company to fulfil the ROHS requirements before export to Euro.</i> |
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| | <ul style="list-style-type: none"> - <i>Case study: ROHS implementation in Sony products – It restricts the use of the following six substances (i) Lead (Pb), (ii) Mercury (Hg), (iii) Cadmium (Cd), (iv) Hexavalent chromium (Cr6+), (v) Polybrominated biphenyls (PBB), (vi) Polybrominated diphenyl ether (PBDE) in the parts or process. It is new requirements in Malaysia, cost impact is so high but has to implement.</i> |
| Publication | Journal |
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