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## MOHAMAD ELMI MD. SAWAL

### PERSONAL OBJECTIVE

To exceed the expectations of the company and self targets to provide for the overall profitability of the company, by meeting the specific technical and quality requirements and achieve personal satisfaction from the knowledge gained and a job well done.

### EDUCATIONAL BACKGROUND

LEVEL	INSTITUTION	FIELD
University (2000-2004)	University Science of Malaysia (USM)	B.Eng (Honours) Electrical Engineering

### WORK EXPERIENCE

POSITION/ DEPARTMENT	RESPONSIBILITY	SKILLS
Process Engineer (Plate)  Metek Kitamura (M) Sdn. Bhd. (Telok Panglima Garang Branch)  Jun 2004 ~ Sep 2008	1. Conducting study and implement improvements or cost saving of raw material used in production. 2. Leading on evaluating required plating characteristic on new customer product. 3. Troubleshoot process abnormality and product quality issue through detail investigation and simulation. 4. Coordinating and monitoring product turn around time meets customer requirement. 5. Leading Kobetsu Kaizen activity through collaboration with customer focusing major quality issue. 6. Conduct training for new and revised procedure to production floor. 7. Maintaining and review documentation related to production, handling and process. 8. Response to any quality spill to customer, feedback to production floor and feed forward to management on the details issue, initial finding and containment action offered. Full 8D report submitted after effectiveness of corrective action implemented. 9. Certified Internal Auditor for ISO 14001 : 2004 and ISO 9001 : 2000	1. Failure Mode Effect & Analysis 2. Root cause analysis 3. Presentation 4. 8D-Reports 5. Figure-of-Eight Problem Solving 6. Internal Auditing 7. SPC monitoring 8. Microsoft Office Applications (Words, Excel, PowerPoint) 9. Solid Edge v19 10. Basic PLC 11. Waste Management 12. Chemical Calculation & Process Control
Quality Assurance Engineer (Operation)  Sensata Technologies (M)	1. Maintain and periodical review documentation that related to production and process. 2. Strive to accomplished target on QA Indices (Lot Acceptance rate, Hold Lot, Machine Shutdown, Operator Compliance,	1. Failure Mode Effect & Analysis 2. Root cause analysis 3. Presentation 4. 8D-Reports

<p>Sdn. Bhd.</p> <p>Sep 2008 ~ Oct 2011</p>	<p>Containment Elimination, Cost of Poor Quality reduction and Abnormality Control compliance) through frequent monitoring and follow-up.</p> <ol style="list-style-type: none"> <li>3. Coordinate Reject Material Return (RMR) and Finished-Good Hold (FG-Hold) disposition flow, in-process, accomplishment and Oracle transaction then communicate with Material Review Board (MRB) for acceptance purpose before ship to customer.</li> <li>4. Lead &amp; coordinate Yield Loss Control and containment at Back End process, through collaboration with manufacturing, process and equipment engineering, communicate and react through Performance Excellence Team (PET) meeting by weekly and Management Operation Review Meeting (monthly).</li> <li>5. Leading on containment elimination and monitoring of cost of poor quality by coordinating and following-up on related corrective action needed with regards to related internal and external quality issue.</li> </ol>	<ol style="list-style-type: none"> <li>5. Internal Auditing</li> <li>6. SPC monitoring</li> <li>7. Microsoft Office Applications (Words, Excel, PowerPoint).</li> <li>8. Minitab Application</li> <li>9. SQL Server Analyzer</li> <li>10. Measurelink Application</li> <li>11. APIS</li> <li>12. Lean Manufacturing</li> <li>13. Six Sigma</li> <li>14. Oracle</li> <li>15. Matrix</li> <li>16. Agile</li> <li>17. SAP</li> </ol>
<p>Sr. Quality Assurance Engineer</p> <p>3M Seremban (M) Sdn. Bhd.</p> <p>Oct 2011 ~ Present</p>	<ol style="list-style-type: none"> <li>1. Responsible of Incoming &amp; In-process Quality for Surface Mount Supplies (SMS) operation and Interconnect Assembly operation.</li> <li>2. Leading and coordinating In-Process Quality audit enhancement through close collaboration with Manufacturing and Engineering on audit findings closure and weekly monitoring the issue and progress.</li> <li>3. Leading and coordinating Outsource's (Interconnect Assembly Operations) Customer Satisfaction Scorecard establishment and execution through monthly process audit and weekly follow-up on issue's closure.</li> <li>4. Leading and coordinating on total plant Calibration of QA Equipment and Measurement System Analysis (MSA) on both Equipment and People capability.</li> <li>5. Leading Q-Hold inventory monitoring in warehouse for all hold items and follow-up on disposition and closure required from responsible person.</li> </ol>	<ol style="list-style-type: none"> <li>1. Failure Mode Effect &amp; Analysis</li> <li>2. Root cause analysis</li> <li>3. Presentation</li> <li>4. 8D-Reports</li> <li>5. Internal Auditing</li> <li>6. SPC monitoring</li> <li>7. Microsoft Office Applications (Words, Excel, PowerPoint).</li> <li>8. Minitab Application</li> <li>9. Lotus Notes Application</li> <li>10. Lean Six Sigma</li> <li>11. QMS ISO 9001 Lead Auditor</li> </ol>

<b>MAJOR ACCOMPLISHMENT / RECOGNITIONS</b>	
<b>YEAR</b>	<b>ACCOMPLISHMENT / AWARDS</b>
2004	Completion of SnBi plating evaluation (evaluation, initial phase, initial control & pre-launch stages) for customer's related product and packages leading to business income increased by 30% for 4Q04.
2005	Establishing effective reaction flow and SPC monitoring on new install of SL02 Online Monitoring for current and voltage at SL02 machine.
2005	Team member of MKM's QCD Team for cost down activity in operation with achievement of reduction by 20K/month on raw material and spare part consumption.
2006	Member of machine buyoff team for new concept of Water Jet at Incheon, Korea for SL03 machine – Reflecting improvement on Resin Remain and Plating Peel Off defect.
2006	Successfully eliminating Abnormal Growth recurrence (average occurrence : 5 lots per month for 1H06) reflection of zero occurrences on 2H06 through Task Force formation and continuous evaluation, follow-up and monitoring. This defect is dangerous which can lead to lead-interspacing due to abnormal stress on plating surface.
2007	Accomplished Solder Particle improvement for FY2007 with reduction of the defect from 0.53% to 0.1% monthly through execution of Key Control Point and task force team.
2007	Kobetsu Kaizen Bronze Medal (NEC Semiconductor competition) – Reduction of Bent & Damaged Lead Frames at Plating Tank from 70ppm to 10ppm with impact reduction of losses by RM 1.5k/month.
2008	Execution on Key Control Point and task force team and successfully achieved reduction of Bent & Damaged Lead Frames from 0.01% (2H07) to 0.005% (1H08).
2008	Kobetsu Kaizen Bronze Medal (NEC Semiconductor competition) – Reduction of Bent & Damaged Lead Frames from 300ppm to 115ppm (more than 50% reduction) with impact reduction of losses by RM 12k/month.
2008	SL04 Pure Tin New Machine Setup & SL03 machine conversion from SnPb plating to SnBi plating. – increase productivity and product leadtime
2009	Member of RMR sensor material which salvaged suspected crack capacitance units through evaluation and analysis which save cost by USD 30k.
2009	Member of new Snap 5 Qualification machine, a 7-up snap machine created to reduce impact on PCB which affected to improvement on crack capacitance.
2010	Leading Small Group Activity on cracked capacitance issue by coordinating weekly meeting and follow-up items with significant scrap cost saves by USD 120k / year.
2011	Leading Lean Manufacturing project on removing QC pack and headcounts reduce with headcounts cost saves at USD 17.4k / year.
2011	Leading Containment Elimination activity with current status of cost of poor quality at 30% reduction costs USD 10k / month.
2011	Technical Paper 'P1Cap Limit Optimization' based on DMAIC approached submitted with successfully implemented and saves scrap cost at USD 100k / year.
2011	Leading and coordinating MSA completion for MSG line for 2011 TS Audit.
2012	Leading and coordinating In-Process Quality Audit kick-off and enhancement for Surface Mount Supplies (SMS) operation which included as part of Corporate plan on 50% Quality Incident reduction.
2012	Leading and coordinating on the establishment of MSA Variable / Attributes for overall manufacturing plant.

2012	Leading and coordinating 50% Quality Incident reduction at Outsource's Plant.
2013	Leading in establishing QA training module and structure for SMS production.
2013	Leading in improvement of eNPR process flow and system in Lotus Notes which increased productivity by 35%.
2013	Leading in improvement of IAR / CPAR process flow and system for SMS which increased productivity by 20%.

#### **TRAINING AND DEVELOPMENT**

<b>YEAR</b>	<b>COURSE</b>
Apr-13	Hazard Identification, Risk Analysis & Risk Control for OHSAS 18001
Apr-13	Environmental Aspect Impact Analysis for ISO 14001
Apr-13	IRCA Lead Auditor for ISO 9001
Mar-13	Line Leader Development
Aug-12	Technical Aspect in Calibration System
Aug-12	Lean Six Sigma : Lean Training (Kaizen, VSM, DOE, Lean, PM)
May-12	Lean Six Sigma : Green Belt (DMAIC) Training
Mar-12	Lean Six Sigma : Product & Process Understanding (PPU)
Apr-11	AGILE : Change Management
Apr-11	VDA 6.3 Internal Audit
Mar-11	ISO/TS 16949 : 2009 Advanced Internal Auditing
Jan-11	Basic SQL / Minitab Training
Nov-10	Root Cause Analysis
Jul-09	Total Quality Culture
May-09	Cost of Quality
Dec-08	Global Change Management
Jul-08	ISO/TS 16949 : 2002 Internal Auditing
Oct-07 ~ Mar-08	ISO/TS 16949 : 2002 Core Tool Training (APQP, FMEA, SPC & MSA)
Sep-07	ISO/TS 16949 : 2002 Awareness Training
Aug-07	ISO 14001 : 2004 Internal Auditing
Aug-06	ISO 9001 : 2000 Internal Auditing
Aug-05	Train The Trainer

#### **AVAILABILITY**

1 Month Notice

#### **REFERENCE**

##### **REF 1**

Name	Azrul Faizal Mohamad Dahalal
Designation	Manager (Quality), Sensata Technologies (M) Sdn. Bhd.
Contact No.	+60192192003

##### **REF 2**

Name	Ragu Simathari
Designation	Sr. Manager (Manufacturing), Sensata Technologies (M) Sdn. Bhd.
Contact No.	+60126162867

##### **REF 3**

Name	Mohd Shaharudin Mohd Shariff
Designation	Manager (Quality), 3M Seremban (M) Sdn. Bhd.
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