



TQM Resources Sdn. Bhd. (613014-X)

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Resume.

En. Fuad Mohamad Idris, with a Mechanical Engineering Degree (B. Sc.) from Northern Arizona University, USA has more than 20 years of working experience in a large Multinational Company in Penang.

His career started as Engineers and progress step by step to Six Sigma Black Belt consultant and Reliability Technical Leader reporting to Engineering Director. He is a certified Six Sigma Black Belt and Lean Champion.

He has involved in many Six Sigma Projects which resulted savings of Millions of Dollars through vigorous application of Six Sigma Tools and Processes.

He has conducted many Six Sigma related training listed below, either internal or external company.

The followings are lists of achievement:

Achievement(s):

□ Developing reliability database & modeling for forecasting NPI reliability.

As A Consultant Black Belt

- Responsible for leading **Design for Six Sigma** efforts in Motorola GTDG, Penang.
- Participation in the capture, analysis, and translation of customer inputs into comprehensive Customer Requirements
- Participation in translation of Customer Requirements into System level (and subsystem) requirements.
- Establishing and managing the chain of critical design parameters insuring that all parameters that are critical to quality have been identified and their relationship to quality, reliability, and customer expectations are understood.
- Insuring that the proper analyses and optimizations have been performed and that adequate design margin is achieved in order to satisfy customer expectations
- Proactively identify and mobilize actions to address weaknesses or risks in designs.
- Perform engineering and statistical analyses in select problem areas.
- Train and coach project team members on the application of Six Sigma & problem solving tools.
- Regular reporting to the project team and to management on progress of optimization activities and design quality readiness.
- Provide candid inputs to management on design quality and readiness.

Achievement(s):

- One of the pioneers in driving & providing leadership in implementing **Design For Six Sigma** in Product Development in Motorola's Penang Design Center (2005-2012).
- Successfully supported Engineering team in managing Critical parameters of more than 21 NPI programs with flawless launch status.*
- Champion, implement & drive the **DFMEA** initiative Motorola GTDG, Penang (2006-2008).
- Led team in developing seed DMFEAs on core and critical EE/ME design areas.*
- Established lessons learned database from generated DFMEAs on all NPI programs.*
- Champion the Motorola Penang Design Center's Six Sigma Steering Committee for GB & BB certification (2005-2012).
- Mentored, coached & certified 80+ GBs & 12 BBs for Motorola Penang Design Center.**
- The completed projects from the certified GBs & BBs have translated to an overall cost savings of USD1.50 mil (2005-2012) and an overall cost avoidance of USD5.06mil (2005-2012) to the organization.**

-A certified trainer for Motorola University for the following Six Sigma & Statistical Problem Solving training courses/curriculum:

***8D Team Oriented Problem Solving Methodology**



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**Six Sigma Business Improvement Model (DMAIC/ DMADV/DMADV)*

** Process & Design FMEA*

**Basic Statistics for Engineers*

**Comparative Methods*

**Source of Variation (SOV) & Measurement System Analysis (MSA)*

**Statistical Process Control (SPC) & Process Capability (Cp, Cpk)*

** Design of Experiment (DOE)*

** Response Surface Methodology (RSM)*

** Taguchi Robust Design*

** Monte Carlo Simulation & Analysis*

** Tolerance Analysis & Design*

** Design For Six Sigma Methodology (CDOV)*

**Critical Parameter Management (CPM)*

**Quality Function Deployment (QFD)*

**Reliability Modeling & Prediction*

**Lean Six Sigma*

**Accelerating Lean Transformation*

**Value Stream Mapping (VSM)*

** Note: Area(s) of specialty*

-Trained more than 1000+ engineers on Six Sigma & Problem Solving tools in Motorola-Penang, Motorola Penang -Singapore, Motorola Penang -Taiwan & Motorola Penang-Bangalore (2002-2012).