Measurement Systems Analysis with Simulation

Services	Deliverables
▪ Measurement Systems Analysis Workshop With Simulation	▪ 8 - Hour workshop for 5 -10 participants.

Measurement Systems Analysis Workshop with Simulation

*"If you can't measure it, you can't improve it." – **Peter Drucker***

A key aspect of Quality Control is measurement, and documenting the effectiveness of the measuring system is mission critical. Measurement Systems Analysis is a key component of the Automotive Production Part Approval Process (PPAP) submittals, as well as a key technique in the Measure stage for Six Sigma projects. Before you create experiments and analyze any data, you want to insure that the data is measured properly and that you can trust the data. This tool tests the capability of your measurement system.

AKA offers an eight hour workshop that involves a mix of classroom-style learning with an interactive live simulation, where class participants learn how to conduct Gauge Repeatability and Reproducibility studies and assess the results of both variable and attribute data. Workshop participants will learn definitions and explore both Minitab® and Excel based data and understand the statistics that are involved in generating the graphs and data.

The Advantage Kentucky Alliance Trainer Will Deliver the Following:

- Lecture with Overheads
- Simulation Materials and Supplies
- Workbooks for Participants
- Discussion and Interaction
- Questions and Answers

Benefits of the Measurement Systems Analysis Workshop:

Upon completion of the Measurement Systems Workshop, Participants will:

- Understand how to conduct and interpret Variable Gage R&R Studies
- Understand how to conduct and interpret Attribute Gage R&R Studies
- Address issues resulting from poor gage or operator performance
- Understand Gage Linearity and Bias
- Understand ANOVA (Analysis of Variance)

The company will provide the classroom and refreshments for participants and the AKA trainer.

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