

SIX SIGMA SUMMARY

<p>DEFINE WHAT IS THE PROBLEM AND WHAT DO THE CUSTOMERS WANT?</p>	<p>PROJECT CHARTER PROCESS MAP CUSTOMER ANALYSIS SELECT THE TEAM</p>	<p>AFFINITY CHARTS, BENCHMARK DATA KANO MODEL, VOICE OF THE CUSTOMER & BUSINESS HISTOGRICAL DATA REVIEW QUALITY FUNCTION DEPLOYMENT NPV, IRR, DCF ANALYSIS</p>																								
<p>MEASURE HOW IS THE PROCESS PERFORMANCE & HOW IS IT BEING MEASURED?</p>	<p>COLLECT & ANALYZE DATA CTQ - CRITICAL TO QUALITY SETUP THE PROJECT PLAN COLLECT BASELINE DATA REVIEW THE CURRENT STATE</p>	<p>PARETO CHART, RUN CHART, CHECKSHEETS CONTROL CHART PROCESS CAPABILITY GAGE R&R (MEASUREMENT SYSTEM ANALYSIS) VALUE STREAM MAPPING</p>																								
<p>ANALYZE WHAT ARE THE KEY REASONS FOR THE DEFECTS?</p>	<p>IDENTIFY VALUE-ADDED ELEMENTS IDENTIFY ROOT CAUSE OF PROBLEM ANALYZE THE DATA IDENTIFY SOURCES OF VARIATION PRIORITIZE ROOT CAUSES MAP FUTURE STATE</p>	<p>CAUSE & EFFECT DIAGRAM SCATTER DIAGRAM 5-WHY OR ROOT CAUSE ANALYSIS STATISTICAL INFERENCES ANOVA, HYPOTHESIS TESTS REGRESSION ANALYSIS RELIABILITY ANALYSIS</p>																								
<p>IMPROVE HOW CAN WE ELIMINATE THE CAUSES FOR THE DEFECTS?</p>	<p>DEVELOP POTENTIAL SOLUTIONS PLAN & IMPLEMENT A SOLUTION DEVELOP MODELS CONDUCT EXPERIMENTS EVALUATE EFFECTS</p>	<p>SELECTING AN ALTERNATIVE RUN CHART / PARETO CHART CONTROL CHARTS DESIGN OF EXPERIMENTS STATISTICAL INFERENCES ANOVA, HYPOTHESIS TESTS TOLERANCE STUDY ROBUST DESIGN METHODS</p>																								
<p>CONTROL HOW CAN WE MAINTAIN THE IMPROVEMENT?</p>	<p>STANDARDIZE THE PROCESS MAP THE IDEAL PROCESS MONITOR THE PROCESS DISSEMINATE LESSONS LEARNED</p>	<p>FMEA POKA YOKE - ERROR PROOFING CONTROL CHARTS STATISTICAL INFERENCES STANDARD OPERATING PROCEDURE PROCEDURAL ADHERENCE</p>																								
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