Six Sigma Green Belt Training Program

Setting the stages for Six Sigma

- The origins for Six Sigma, SPC, and Dr. Deming
- Six Sigma defined and setting the plan for implementation
- Six Sigma – Different from other program initiatives
- The underlying principles of Six Sigma
- DMAIC – The five stages of Six Sigma
- The People and Roles in Six Sigma – Who Does What?
- The qualifications of a Six Sigma Black Belt and Green Belt
- Setting the wheels in motion in your organization
- Vital ingredients for Six Sigma implementation success
- Green Belt leadership skills

Defining what the problems are – Six Sigma Stage 1

- Understanding systems – Getting the big picture
- Identifying and defining problems objectively
- Process mapping and analysis
- Identifying measurable Key Process Indicators – Critical To Quality characteristics
- Comparing your situation to industry - Benchmarking
- Developing a measurement plan

Taking measurements – Six Sigma Stage 2

- Understanding types of data and variation
- Theory and basic concepts of statistical measurement and tools (SPC)
- How to collect data that will provide for scientific and objective analysis
- Understanding measurement systems and assessing measurement reliability
- Planning and using control charts for data collection
- Creating the data collection plan

Data Analysis – Six Sigma Stage 3

- Assessing the validity of your data
- Calculating control limits and assessing natural variation of your processes
- Creating a Histogram and calculating Sigma and process capability
- Assessing your company's performance of the process being studied

Responding to the data for process improvement – Six Sigma Stage 4

- Understanding what the data is saying
- Focusing on the specific indicators showing the most variation or inconsistencies
- Establishing numerical standards
- A systematic problem solving model
- Using disciplined problem solving tools to pinpoint where changes need to be implemented
- Implementing changes and assessing their effectiveness

Process control and confirmation – Six Sigma Stage 5

- Understanding the difference between statistical process monitoring and statistical process control
- Establishing the control chart plan for SPC
- Determining charting methods and measurement frequency for each identified characteristic
- Identifying and assessing other input variables that may be affecting the processes under control

PDC PROFESSIONAL DEVELOPMENT CENTER
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To get more information or a schedule and enrollment application please call us at (818) 957-0024.