Design-for-Lean Six Sigma within the Pro/Engineer Environment

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Abstract:

Successful organizations realize that Design-for-Lean Six Sigma (DfLSS) strategies have enormous positive impact on time-to-quality. Time to market often becomes irrelevant when the total costs of poor quality are taken into consideration. Successful DfLSS implementation can generate efficiently robust designs and avoid rework costs on recalls, warranty payments, and lost customers from a negative brand image. An important enabler of DfLSS is the rapid evaluation of alternative designs with stochastic variation.

This presentation will first outline the new sampling technique enhancements introduced in BMX Wildfire 4 and the probabilistic and regression capabilities introduced with the Mathcad integration. A step by step live demonstration of DfLSS examples from the defense and auto industries will be presented. Highlights will include a reusable workflow process which automatically creates optimum robust designs.