

MBB B3

Introduction to Design for Six Sigma

Who Should Attend:

- Scientist and engineers with knowledge of Operations Six Sigma who desire an introduction the concepts and methods of Design for Six Sigma
- Scientists and engineers who are making a career change from operations to design
- Mentors of Black Belts and Green Belts

Key Topics:

Reliability statistics, Reliability data analysis, Reliability modeling and prediction, Reliability testing, Monte Carlo simulation, Statistical tolerancing, Experimental designs to identify robust conditions, Signal-to-noise ratios, Analysis of results from robust designs

Benefits:

- **Appreciation of principles of reliability analysis**
- Awareness of reliability testing methods
- Practice in modeling and predicting reliability performance
- Experience in using simulation methods (using iGrafx) to model processes and perform empirical tolerance analysis
- Knowledge of concepts and methods of robust design

Prerequisites:

- Operations Six Sigma Black Belt level training or equivalent