



Failure Modes & Effects Analysis and Design for Manufacturability & Assembly

Learn two different tools for improving new and existing designs.

Bring an FMEA to the workshop to work on with the instructor



Your instructor:

George Wilson is a Lean 6 Sigma Master Black Belt at a large medical device manufacturer. He has led or mentored Lean and 6 Sigma projects in manufacturing, sales, marketing, finance, and design, as well as trained green belts in 6 Sigma topics.

FMEA: This technique will enable a cross-functional team to:

- Evaluate a design and determine potential negative effects
- Prioritize the effects by quantifying their magnitude
- Identify and implement actions to address the effects

DFMA: This technique will enable a cross-functional team to:

- Evaluate components to ensure they are manufacturable
- Evaluate parts to ensure they are “necessary”
- Evaluate the characteristics of an assembly: part-to-operator interface, part-to-part interface, fastening methodology, non-value steps

After completing this workshop you will:

- ◆ Gain an understanding of the different types of FMEA and when they are used
- ◆ Gain an understanding of the various aspects of DFMA and why they are used
- ◆ Experience hands-on learning of both types of FMEA and DFMA
- ◆ Provide paper and electronic forms for performing all class examples – able to be brought back to your company for immediate use

Who should attend: Managers, Engineers, and others who are involved in new product development, manufacturing, quality, purchasing, design, materials and supply chain.

Friday, November 1, 2019 8:00 a.m. - 4:00 p.m.

Fee: **MA members:** \$329 per person **Non-MA members:** \$449 per person
Receive a 10% discount if you register 14 days prior to the event

Location: **Manufacturers Alliance Training Center**
8421 Wayzata Blvd, Suite 190
Golden Valley, MN 55426
(For directions and map go to www.mfrall.com)

Register: Registration is required. Reserve on-line at www.mfrall.com, click on **Workshops** by 3:00 pm October 30, 2019. *Your satisfaction is guaranteed.*

Cancellation Policy: **No refunds** for cancellations after 3:00 p.m. on October 30, 2019, or for no-shows at workshop. *(Substitutions accepted)*