LEAN SIX SIGMA YELLOW BELT

LEAN + SIX SIGMA

Two Powerful Initiatives, One Integrated Program

Dramatically improve cost, quality, and delivery by combining the strengths of two powerful business process improvement initiatives through the systematic approach of the TMAC Lean Six Sigma (LSS) program.

Introduce your front line employees and supervisors to the concepts of the DMAIC methodology (Define, Measure, Analyze, Improve, Control) and basic Lean concepts (5S, Value Streams etc.) to generate results that are impactful, robust, and sustainable.

This Lean Six Sigma Yellow Belt training course covers the fundamental methodologies utilized for Lean Six Sigma problem solving. It includes the basic improvement procedures and their necessary metrics, enabling attendees to become central team members on improvement project teams. The course also makes attendees aware of typical wasteful activities and methods to make necessary improvements in their day-to-day activities.

The Texas Manufacturing Assistance Center (TMAC) accelerates the profitable growth of manufactures by implementing methods, innovation, technology and best practices to develop and improve products, processes and people. TMAC South Central Region operates out of Southwest Research Institute (SwRI) in San Antonio, TX. TMAC is an affiliate of the Manufacturing Extension Partnership (MEP) program of the National Institute of Standards and Technology (NIST).

LEARNING DOESN'T STOP ONCE TRAINING IS OVER

Participants can access TMAC LSS Master Black Belts before, during, and after training for coaching to rapidly apply what they learn.

GET MORE BENEFIT

Expose more people across your organization to Lean + Six Sigma thinking.

INCLUDED

- Course binder
- Certificate with CEUs issued upon successful completion of class
- Breakfast, snacks and lunch

tmac.swri.org

TMAC

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AGENDA

DAY ONE

Basic Quality concepts

Variation and it's causes

Quality metrics (Defects per Unit, Defects per Million, Rolled Through-put Yield, Cost of Poor Quality)

Value of 6 Sigma / DMAIC Overview

Value of Lean / Lean Methodologies Overview

Types of teams, Roles of team members, Decision making tools for teams and stages of Team development.

Decision making tools for teams (brainstorming, multivoting, NGT)

Defining problems and Projects.

- Voice of the Customer
- SIPOC process model
- Project Management Basics

DAY TWO

Basics Statistics (Mean, Median, Mode, Correlation)

Data Collection

Measurement System Analysis

5S Workplace Organization

Failure Mode Effects Analysis (FMEA)

Basic Distribution types

Common and Special Cause Variation

Hypothesis Testing

DAY THREE

Quality Tools supporting DMAIC (Pareto Charts, Cause & Effect Diagrams, Flowcharts, Run Charts, Check Sheets, Scatter Diagrams, Histograms)

Kaizen

Plan, Do, Check, Act (PDCA)

Cost-Benefit Analysis

Control Plans

Document Control

REGISTRATION

January 29-31, 2019

Cost: $900 per participant

Location: Austin, TX

arma-tx.org

ARMA
AUSTIN REGIONAL MANUFACTURERS ASSOCIATION

TMAC