



## Lean Six Sigma for Production Operations “Control”

3 Days

### **Audience and Purpose:**

This course is designed for those individuals working directly on Six Sigma projects and serving as Black Belts or Green Belts. It is assumed they come from a variety of backgrounds and disciplines and will be working on a variety of projects across the company. Tools and examples are in direct support of manufacturing and production operations.

### **Course Objectives:**

Upon completion of the course, the participants will be able to:

1. Select, implement and validate controls needed to sustain the gains of the improvements
2. Develop and implement scorecards and statistical process control where needed
3. Identify long term process owner and needed improvement
4. Determine transfer issues and associated plan to assure seamless continuity of the improvement
5. Determine changes in the process that needs to be made to realize the benefits of the solutions
6. Determine and communicate further translation and standardization opportunities

### **Software:**

JMP or Minitab

### **Course Outline:**

<b>Section I</b>	<b>Statistical Process Control</b> 10 requirements for effective process controls Control charts for variables and attributes data
<b>Section II</b>	<b>Determine Type of Control Needed</b> Measurement based controls Documentation Design Test and inspection Periodic checks Incentives Lean tools for control Apply appropriate lean tools 5S Visual factory Kaizen Kanban Poka-yoke Total productive maintenance Standardized work
<b>Section III</b>	<b>Implement and Validate Controls</b> Control implementation considerations Control validation



**Section IV**

**Develop Transfer Plan**

Determining the long-term owner  
Elements of a transfer plan  
Sustaining systems and reviews  
Roles and responsibilities

**Section V**

**Realize Benefits of Implementing Solution**

Realize benefits of the project  
Implement changes requires to achieve the benefits

**Section VI**

**Close Project and Communicate Results**

Project closure  
Final ROI  
Team recognition