

Simulation Modeling with Arena®

Advanced LEAN and Six Sigma

Visualize, enhance and accelerate the implementation of your LEAN and Six Sigma initiatives. Animated simulation modeling allows what-if scenarios, virtual launches of process changes, scalability tests, simulation over long time horizons, and mitigation of risk of project failure or downstream, cascading effects of de-bottlenecking that will complement and strengthen your current Six Sigma and LEAN efforts.

"A typical Return on Investment for a commercial Arena [Simulation Modeling & Analysis] customer is more than 15 times the investment and is usually achieved in the first project (3-6 months). An independent value assessment audit of just 5 customers revealed over \$150M of cumulative value that could [be] directly mapped into financial statements in cost savings, profit increase, inventory reduction, and continuous improvement." Rockwell Automation

Syllabus

5 Days – Week 1 (Basic Simulation Modeling)

- What is Simulation?
- Fundamental Simulation Concepts
- A Guided Tour Through Arena®
- Modeling Basic Operations and Inputs
- Modeling Detailed Operations
- Statistical Analysis of Output from Terminating Simulations

5 Days - Week 2 (Advanced Simulation Modeling)

- Intermediate Modeling and Steady-State Statistical Analysis
- Entity Transfer
- Further Modeling Issues and Techniques
- Arena Integration and Customization
- Continuous and Combined Discrete/Continuous Models

Advanced Process Optimization, Inc.
www.apoinc.us



Please call while seats are available for the Fall session. **Prior statistical training and or a Six Sigma Green Belt are highly recommended as pre-requisites.

Advanced Process Optimization, Inc.

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Classes will be held at Sigmas Conference Center



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