



# Setup Reduction (SMED) Workshop

You are started down the path of a Lean Implementation. Your 5S program is running very smoothly. Processes have been stabilized. Congratulations are due on your accomplishments!

Now you want to get away from batch processing and move to a true flow production system. Most likely, setups are one of the key reasons for making large batches, so setup reduction is the next phase. While there may be significant challenges, setup reduction will normally create some of your biggest gains in going Lean. And, the teams that work on this process find it to be extremely rewarding. This is where they most likely hit a home run!

Is it time to get your team prepared for the challenge? How do they get started? What do they look for? Can we give them some ideas?

This one-day course is an excellent way to get your team initiated and on track. Classroom instruction alternates with shop floor exercises to identify and apply the lessons learned to a practical setup reduction situation. Techniques for setup reduction will be presented along with examples through case studies of actual applications.

Setup Reduction (SMED) Topics covered:

- Background Information on moving from Batching to Flow processes
- The History of SMED
- Two Types of Setup Activities
  - Internal Setup
  - External Setup
- Basic Steps in Setup Process
- Stages of Setup Improvement
  - Separating Internal and External Setup
  - Converting Internal to External Setup
  - Streamlining the Setup Operation
- Techniques for Applying SMED
  - Advance Preparations
  - Function Standardization
  - Implementation of Parallel Operations
  - Elimination of Adjustments
  - Mechanization
- Standardizing Setups
- Examples and Case Studies

This Lean workshop can include up to 20 participants and is suitable for a diverse audience: Production Employees, Technical, Supervisory, and Managerial Personnel. Due to the field exercises, this workshop is best held on-site where participants can easily observe the production process.

**Lean Workshop Series Presented by: HPK Group, LLC**

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