

# LEAN WORKSHOPS



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## **Value Stream Mapping Workshop** – 1 Day to 1.5 days or 8-12 Hours

**Prerequisite(s):** None

**Workshop Size:** Up to 18 depending on classroom or venue size

**Description:** This workshop utilizes the Lean Tool of Value Stream Mapping. This is an ideal discovery and planning tool to help determine where efforts should be focused to maximize benefit for the customers and the business. This is also a good tool for mapping the future state of a new product or new process. Training on the basics of Value Stream Mapping (VSM) and a practice session are completed prior to collecting data of the actual Value Stream itself. The output from the workshop are a Value Stream Map and a list of specific targets to address over the next 12 months. An option at the end of a VSM event is to create a 12 month or 4 quarter Lean Roadmap to organize the efforts.

## **Kanban/Pull Workshop** – 1 day or 8 hours

**Prerequisite(s):** None

**Class Size:** Up to 24 depending on classroom or venue size

**Description:** The focus of this workshop is to understand the basics of Kanban, or visual signal and a Pull system. In a Pull system, nothing is produced until a visual signal is received from the downstream process. Modern manufacturing like automobile production utilizes a pull system to minimize work-in-process (WIP) and maximize throughput and productivity. A simulation can be employed in the workshop to demonstrate the current state of push (MRP) versus Kanban/Pull. The outcome of the workshop is an understanding of Kanban/Pull, how to calculate the Kanban levels and start on the conversion of a pilot area.

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**Set-up Reduction (SMED) Workshop** – 2 days or 16 hours

**Prerequisite(s):** None

**Class Size:** Up to 12 depending on classroom or venue size

**Description:** The focus of this workshop is to understand how to reduce the time it takes to go from one item to another in production or office environments. There is usually some prework required prior to the event to record or video the current set-up process so it can be analyzed by the team on Day 1 of the workshop. Using the techniques developed in the automotive industry, the team will determine how to dramatically reduce the time it takes to go from one product to another.

## Lean Simulations

**Lean Simulations** are used to reinforce learning concepts with hand-on exercises. LEANwRIGHT specializes in custom simulations for organizations to better identify with moving away from traditional operations to lean thinking. We have created more than 3 dozen specialized simulations for clients. We can create a customized simulation for your teams. See below for the 3 main types of simulations.

### LEGO® Go-Karts Lean Simulation



Pioneered by one of our UCSD Lean Certification graduates, this simulation has been updated and presents the concepts of one item flow, Kanban, visual controls, standard work and more. This is a kitted set that can handle from 8-12 people per kit. We have more than 2 kits available to provide training for up to 36 people. The simulation takes about 75 minutes to complete in a training room. Kits are also available for sale and can be customized for your own operation.

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## Customized LEGO® Simulation



Using purchased LEGO® brand specialty bricks and other LEGO® brand molded components, at LEANwRIGHT we can create a customized lean simulation to meet your specific needs. Whether you need a simulation to process compressors, copiers or computers or cars, we can design a simulation to meet your needs. When the simulation is done and the training is completed, you can keep the simulation for future training needs, if desired.

## Custom Office Lean Simulation

We can create office documentation flow, process mock-ups and electronic paperwork flow simulations based on your needs. Examples of simulations created for clients include customer enrollment, engineering change order process, new product development, medical device supply chain and order entry.



The simulation takes about 75 minutes to complete in a training or conference room.