# One Day Lean Manufacturing Simulation

## Powered by Lean 4x4

Start the year with a bang! Our one day Lean and TOC Simulation shows you how to integrate Lean into your process, and demonstrates how you can lead or support successful implementation.

<<Lego game photo>>

The Simulation uses Lean manufacturing principles to work towards perfecting manufacturing processes. An analysis of the material and information flow leads to the elimination of non-value adding activities, elevating a "typical" production environment to best practice. The immersive nature of the Simulation results in a much deeper and long lasting understanding of the principles of Lean. These principles work in companies regardless of size or sector.

The Simulation recreates the manufacturing environment through the hands-on assembly of "products" at separate work stations and all participants work together to refine the process and achieve optimum output. (Challenge: try to beat the standing record)

By applying best practice techniques under practical conditions, participants will accelerate awareness and understanding that will enhance the success rate and effectiveness of your Lean program.

## What will be covered and what you will take away

How to rate your company using a **Manufacturing Excellence model**, and use the model to drive improvement.

How to maximise productivity using the **Theory of Constraints**.

The application of lean methodologies across manufacturing, financials, administration and the supply chain.

Ability to **develop people** into a cohesive, flexible, and empowered autonomous team to achieve a common goal of improved performance.

• Ability to list, discuss and review process issues by using basic **problem solving techniques**

• How to identify and **eliminate non-value added** activities.

• How to distinguish between push and **pull systems** and understand the control method of **Kanban** pull signals to balance supply and demand, improve lead times and reduce work-in progress.

• Understand why, when, and how to practice **set up time reduction**.

• Why large **batch sizes** are not cost effective and increase inventory, lead times, and reduce flexibility.

• Why consistent processes give quality results through **standard work** practices and procedures.

• The importance of **visual performance measures** in driving behaviours.

• How the implementation of **5S housekeeping** is the cornerstone of best practice.

• The importance of quality at source and **mistake proofing**.

• Why **preventative and autonomous maintenance** is critical to overall equipment effectiveness.

• Understand the key best practices areas of: **Leading and Managing Change, Teamwork, Set-up Reduction, Process and Material Flow, Focused Improvement, 5S, and Visual Performance Measures**.

## The facilitator

<< Updated photo to be provided 12/1/24>>

James McIntosh is a skilled consultant, specialising in maximising profit, capacity and unlocking production efficiency.

He is a professional engineer with 18 years of consulting experience in production system design, continuous improvement tools and rapid interventions.

Prior to entering consulting he gained wide-ranging experience in the Australian automotive industry implementing Lean and other World Class practices across the supply chain including Parts and Accessory, Tier 1 Supply, and Vehicle Assembly Plant. He is also a specialist in Inventory Optimisation, Energy Optimisation, Excel Auditing, and the Supply Chain Operations Reference (SCOR) Model

## Details

Date: Friday 16th February 2024

Time: 8am to 5pm

Catering provided

Venue: Springlake Hotel, Avenue Room

1 Springfield Lakes Blvd

Springfield Lakes QLD 4300

Cost: $350 per person incl GST

[Register Here](https://www.eventbrite.com.au/e/795968462097?aff=oddtdtcreator)