

# The Cube Factory

## A Lean Simulation



- Reducing waste
- Creating flow
- Reducing cycletime
- Reduced inventory
- Improved flexibility
- Improved quality
- Improved productivity

The Cube factory is a highly interactive simulation where market conditions drive the factory to change the way it operates. The operation is a 5 stage process with all of the problems of manufacturing a discrete product, The production crew must analyze the current situation, the market requirements then develop and implement a strategy to close the gap. The active learning style is designed to lead participants on a journey of self discovery and hence understand some of the Lean tools and Philosophies.

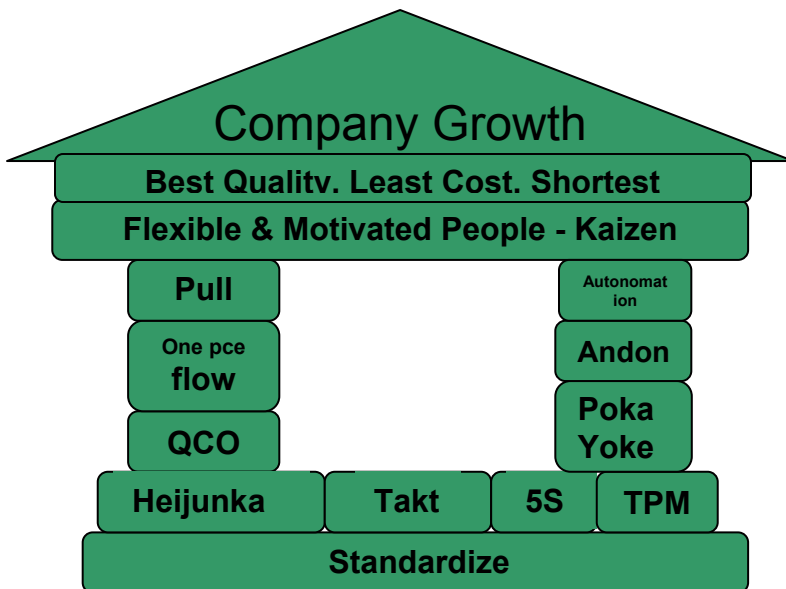
The program can be run over 4 or 8 hours and requires 10 to 12 participants per simulation. Multiple simulations can be run together. The simulation can be customized to highlight particular tools and techniques. Emphasis is placed using data to explore options then agreeing on a plan of action with is documented. The One Page Plan includes current and desired KPIs. A critical part of the process is to reflect on the actual performance and understand what worked and why.



Many traditional manufacturing businesses make gains through capital expenditure, buying a bigger, faster machine. Manufacturers embarking on the Lean journey recognize that true sustainable competitive advantage comes from developing a continuous improvement culture. Such a journey is long and difficult which makes it so hard to copy. By engaging your people, deploying your strategy for competitive advantage, actively exposing problems and eliminating waste, building robust and capable systems you have the basis of an improvement plan which will deliver sustainable competitive advantage.

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## What you will learn



- Standardization
- Value Stream Mapping
- Visual Factory
- Quality at Source
- Takt Time
- Line Balancing
- Postponement
- Layout and organization
- Dealing with Bottlenecks

The Lean Tools have been developed by Toyota as countermeasures for the elimination of waste and may have limited application to other industries. However, the philosophy of waste elimination and the mind set of continuous improvement by exposing problems then fixing forever are universal. High levels of employee engagement are a pre-requisite for building robust and responsive systems. The Cube Factory is an effective way of introducing the concepts of Lean to your work crews and highlighting the possibilities in your workplace.



Your facilitator, Geoff Green, has 25 years of general manufacturing management experience across a number of industries and has qualifications in engineering, education and quality management.

For the past 3 years Geoff has facilitated the Victorian Manufacturing Roundtable for SIRF Rt which provides collaborative learning experiences about best practice.

- A standard problem solving / process improvement method
- One Page Improvement Plans
- Data driven decisions
- Team learning
- Think outside the square



The Cube Factory can be run in- house and public workshops are run – Check the Lean Rt website for details. For further details please contact

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