

# 8 SIMPLE WAYS TO IMPLEMENT LEAN MANUFACTURING INTO YOUR WAREHOUSE

Lean manufacturing is used by companies of all sizes today. The success of lean manufacturing processes have encouraged even smaller organisations to implement the practice.



THE SUCCESS IN IMPLEMENTING LEAN MANUFACTURING IS TO ACTION A ROADMAP. HERE ARE SOME TIPS THAT CAN HELP YOU IMPLEMENT LEAN MANUFACTURING INTO YOUR ORGANISATION

## 1 ORGANISE THE WORK AREA : THE 5 S'S

**1** SORT

**2** SET IN ORDER

**3** SHINE

**4** STANDARDISE

**5** SUSTAIN

The 5S's is a cyclical methodology: sort, set in order, shine, standardise, sustain the cycle. This results in continuous improvement.

**91%** OF EXECUTIVE MANUFACTURING LEADERS SURVEYED IN 2011 SAID THEIR IMPROVEMENT WAS 'VERY EFFECTIVE'

## 2 REMEMBER THE GEMBA

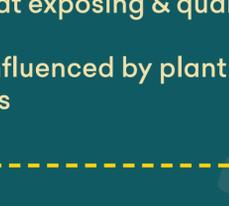


A Japanese term meaning 'The Real Place'

Get out of your office and spend time on the plant floor promotes a deep and thorough understanding of real-world issues. First-hand observation & talking with plant floor employees.

**70%** OF COMPANIES IN THE US UTILISE LEAN MANUFACTURING PRACTICES

## 3 KPI'S



Metrics designed to track and encourage progress towards critical goals of the organization. It is important to carefully select KPIs that will drive desired behaviour. The best manufacturing KPIs tend to be:

- ▶ Aligned with top-level strategic goals
- ▶ Effective at exposing & quantifying waste
- ▶ Readily influenced by plant floor employees



## 4 MUDA - WASTE MANAGEMENT

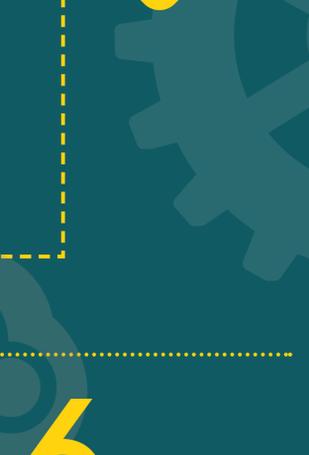
Muda a Japanese term meaning 'Waste'

Eliminating waste is one of the primary goals of lean manufacturing. Meaning anything in the manufacturing process that doesn't add value from the customer's perspective.

APPLYING LEAN MANUFACTURING TOOLS OF THE TOYOTA PRODUCTION SYSTEM (TPS) HELPED PORSCHE INCREASE THEIR OPERATIONAL RESULT FROM -€122 MILLION TO €933 MILLION

## 5 BIG LOSSES

Six categories of productivity loss that are almost universally experienced in manufacturing:



- ▶ Breakdowns
- ▶ Setup/Adjustments
- ▶ Small Stops
- ▶ Reduced Speed
- ▶ Startup Rejects
- ▶ Production Rejects

## 6 SET SMART GOALS

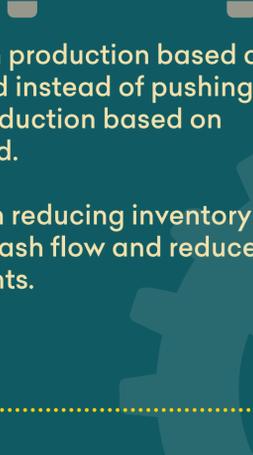
All elements of the process need smart goals:

- ▶ Breakdowns
- ▶ Setup/Adjustments
- ▶ Small Stops
- ▶ Reduced Speed
- ▶ Startup Rejects
- ▶ Production Rejects

"JAPANESE AUTO MANUFACTURERS HAVE BEEN DEVELOPING LEAN FOR OVER 50 YEARS AND WITH IT GROWN THEIR PRODUCT COMPETITIVENESS, QUALITY AND RELIABILITY. THESE SAME TOOLS AND TECHNIQUES WORK IN FOOD MANUFACTURING AND MEAT PROCESSING ENVIRONMENTS. THEY CAN WORK IN YOUR BUSINESS."  
Leaning Forward. Process Improvers

## 7

### JUST IN TIME (JIT)

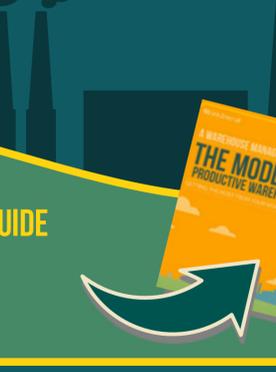


Pull parts through production based on customer demand instead of pushing parts through production based on projected demand.

Highly effective in reducing inventory levels. Improves cash flow and reduces space requirements.

## 8

### THE VISUAL FACTORY



Visual indicators, displays and controls used throughout manufacturing plants improves communication of information.

Makes the state and condition of manufacturing processes easily accessible and very clear to everyone as we all know people are critical to success

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