Creating a future state Value Stream Map

How do you create a future state value stream map?
Purpose of Value stream Mapping?

• Tell us where we are?

• Drive Improvement
  – Help us define an Ideal state
  – Provide a plan to move forward
Why do we need an ideal state map?

• A shared vision that everyone can agree to.

• A target to aim for
• An objective

• Gets everyone working together towards a common aim
Developing an Ideal state map

• What would the ideal state be?

• Be radical
• Challenge what is possible

• Consider the lean principles;
  – Value according to the customer
  – Identify the value stream
  – Make the value flow
  – Pull of the customer
  – Strive for perfection
Ideal State Map

Supplier

Monthly forecast

Production Control (ERP)

30 day forecast

Customer 360 per Day

Production Cell

Daily Schedule

Production Cell

Daily

C/o = 0m

C/t = 60s

U/t = 99%

Qual = 99.9%

60 s

Total Lead time

1 Day

Total process time

1 Min

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Reaching our ideal state

• Need a plan or series of plans to reach our ideal state

• Define a future state; use kaizen bursts to define the project
  – 2-3 month duration projects maximum
Future state Value Stream Maps

• May need several future state maps to move from current to the ideal

• Typical improvements;
  – Reduce Cycle Time
  – Reduce setups / reduce batches
  – Improve quality performance
  – Change delivery schedules
  – Implement kanban
Future State VSM

Kaizen Bursts:

1. Get supplier to make Daily deliveries
2. Improve Quality Performance from 80% to 95%+

Use Kaizen Bursts to make improvements to process and define the next future state map.

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Moving towards our Ideal state map

• As we complete our projects our future state map becomes our new current state

• Review the data boxes and inventory at the end of each iteration
  – Reduction in Inventory and other improvements will highlight more problems such as;
    • Machine reliability
    • Rework loops
Moving from Current State to Ideal State VSM

Through a series of future state maps utilizing Kaizen Bursts we move from Current state to our ideal state map.
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