Value Stream Mapping (VSM)

Problem

How to add value for your customers?

Difficulty

Work with an SME

- A Value Stream Map (VSM) graphically shows, for a single product or service, the material flows and the information flows that signal and control the material flows.
- A VSM uses standard icons to represent processes, materials, and information.
- The VSM shows how customer value is added at each step.
- Typically both a Current State Map (the current process) and a Future State Map (what the process could be) are created.

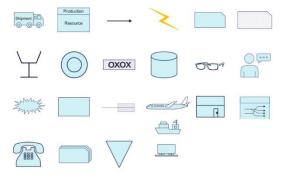
current

Value Stream Mapping

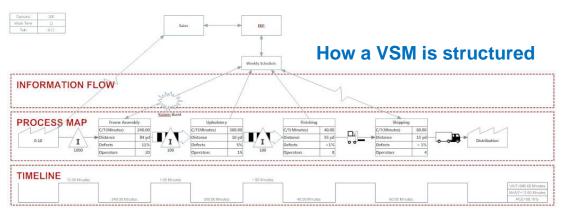
process understanding waste identified

- 1. Assess your product's or service's steps.
 - For each step, determine:
 - The work and wait times
 - The labor needs (including overtime)
 - The error rates
 - The system downtime
 - The **inventory level** (excess or shortfall)
 - The production or process delays
- 2. Create a graphic using standard icons.
- 3. Assess the current state VSM to identify waste.

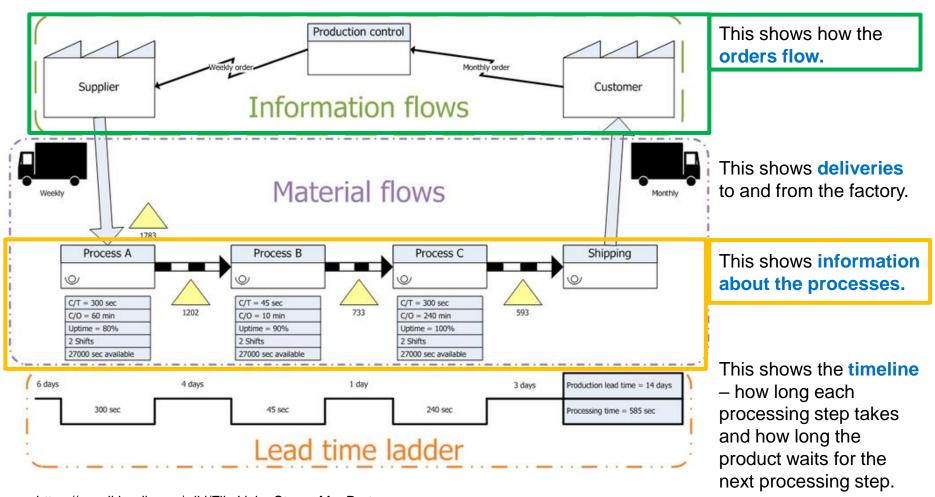
Some standard VSM icons



https://www.edrawmax.com/article/value-stream-mapping-symbols.html



Value Stream Mapping – Example – Generic Factory



https://en.wikipedia.org/wiki/File:ValueStreamMapParts.png

Value Stream Mapping – Notes

Slide 1

- 1. A VSM is used to show, analyze, and improve the steps needed to deliver a product or service.
- 2. A VSM is useful for identifying waste and inefficiencies.
- 3. A VSM is an effective tool for communication and collaboration.
- 4. For
 - Manufacturing → follow parts, material, and information
 - Engineering → follow Information and knowledge

Slide 2

1. While the diagram appears busy, it has a few distinct parts and can be easily understood information within each part.