

## ? What is It

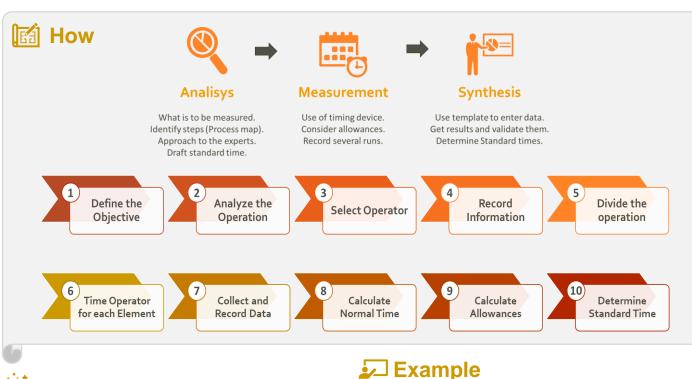
Improvement tool to **measure** how much time people / machine spend on each part of a process.

## 🖸 When

- In the Measure and Analyze phase of DMAIC.
- Optimize the use of material, machines and manpower.
- To improve human effort.

### 🎯 Goals

- Support the Line Balancing method.
- Support the VA-NVA Analysis.
- Build a solid understanding of processes.



# 🖥 Hints

- Use the largest sample possible.
- Take people's skills into consideration.
- Try not to record while observation is executed.
- Beware the Hawthorne Effect\*.
- Do not lose sight of the goal.

\*Individual change an aspect of their behavior in response to his awareness of being observed

#### Time Motion Study Worksheet 💖 🛛 PathStone Group UOM 3 Fill kanban bin with tube 4 Pick up e 5 Take one tube and label it 95.0% ard deviation of ob-1 96 6 Place tube on b idence level required (z Value) 95.5% 2.00 7 Pass tube to check w 98.0% 2 33 Place 12 tubes in a ca 99.0% 2.58 nce is with M otal Cycle Ti 30.6 sec 0.51 mir Fotal Normal Cylce Time 0.50 min Fotal Standard Cylce Tim 0.03 mir Can be the used for Takt Tim Expected Target 149,077 Pouches/h

