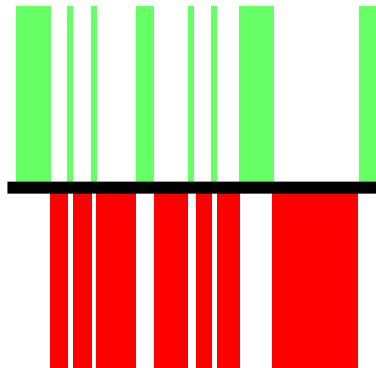
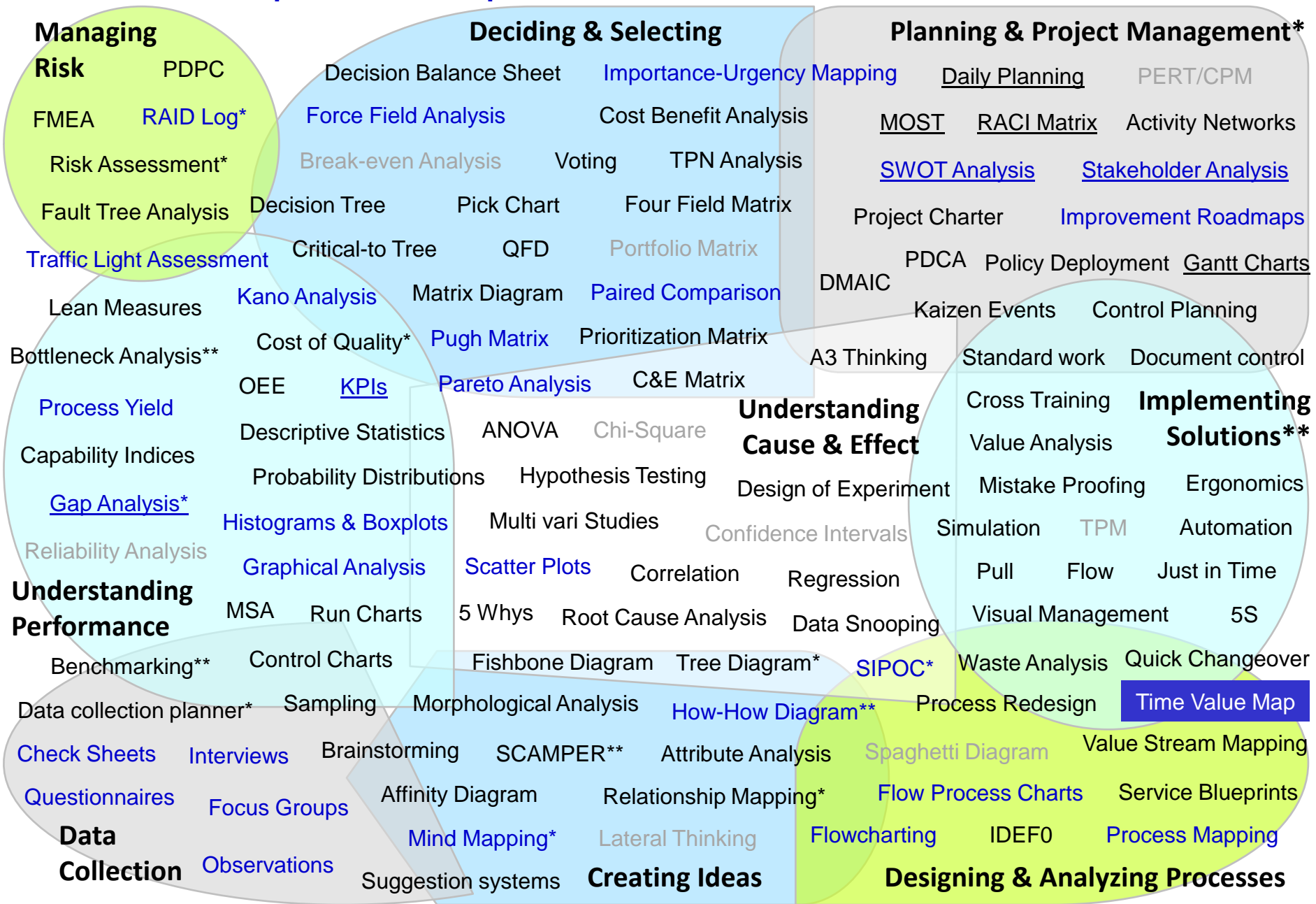


Continuous Improvement Toolkit

Time Value Map

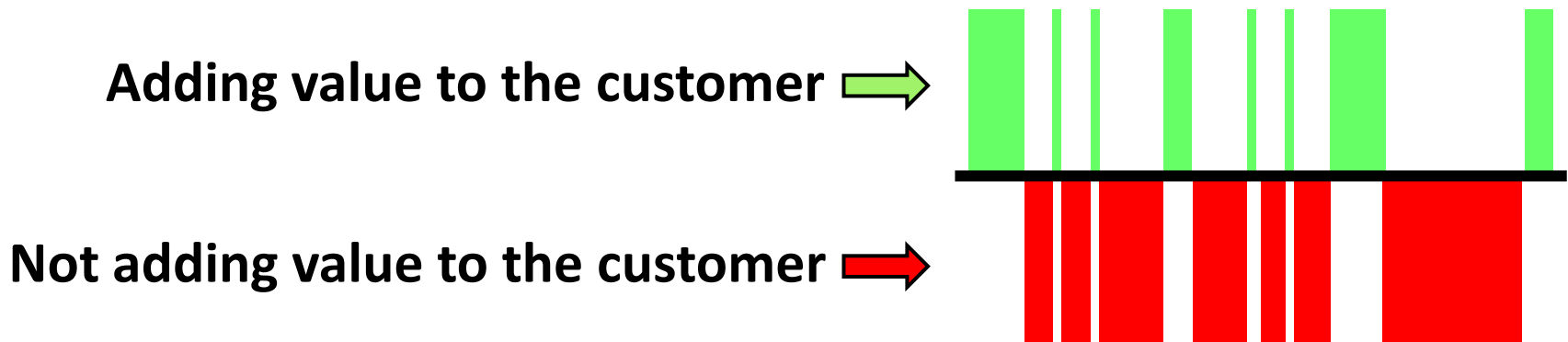


The Continuous Improvement Map



- Time Value Map

- ❑ Tracks how a specific process spends its time.
- ❑ A graphical description of value-added and non-value added time in a process.
- ❑ Aims to eliminate waste and streamline the process.



- Time Value Map

We Can Track any Work Item into One of 3 categories:

❑ **Value Added Activities (VA):**

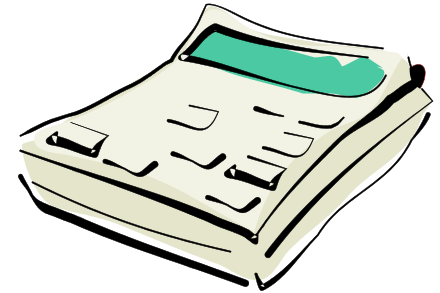
- Increase the value of the product or service from the customer perspective.

❑ **Essential Non-Value Added Activities (ENVA):**

- Necessary for the business, but the customer would not be willing to pay extra for them (unavoidable wastes).
- **Examples:** Invoicing, regulatory, purchasing, R&D, etc.

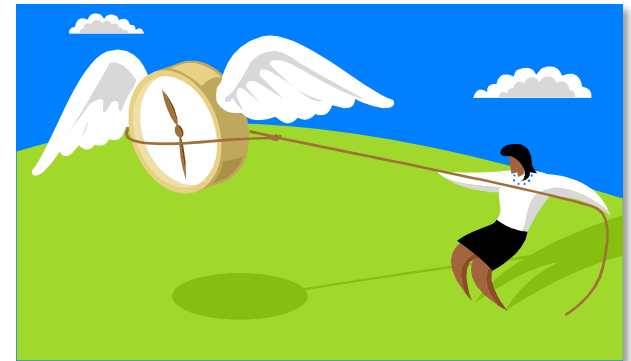
❑ **Non-Value Added Activities (NVA):**

- Add no value and not required for business operational reasons.
- **Examples:** Rework, scrap, over processing, delayed starts, etc.
- Consider the 8 wastes.



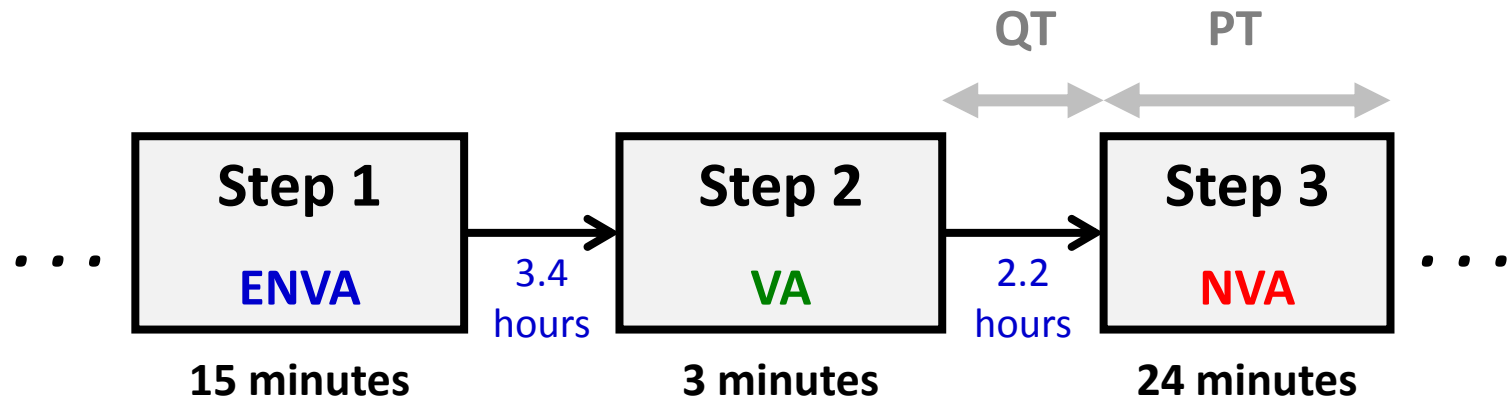
- Time Value Map

- ❑ It provides a good representation of the overall cycle time in the process.
- ❑ It places a great emphasis on showing the wasted amount of time.



- Time Value Map

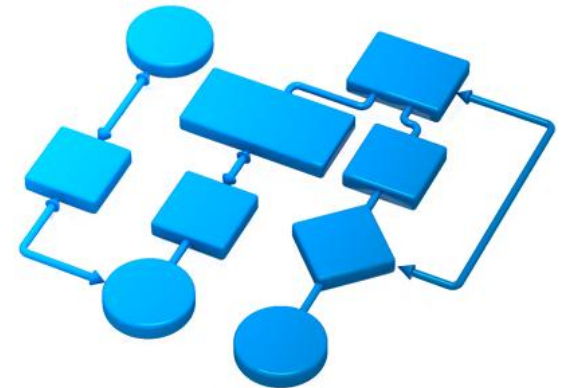
- Once all the activities and their times are identified, projects and systems can be implemented to:
 - Decrease non-value added activities.
 - Decrease the overall waiting time.



- Time Value Map

Drawing the Map:

- ❑ Make sure that everyone is clear on what is going to be tracked.
- ❑ Start by drawing the center line (the timeline of the process).
- ❑ Above this line, chart the activities that are adding value.
- ❑ Below the timeline, track the non value-added activities with two different colors (to differentiate between unavoidable and avoidable waste).
- ❑ The idle queuing time could be represented by the blank space.



- Time Value Map

Example:

