

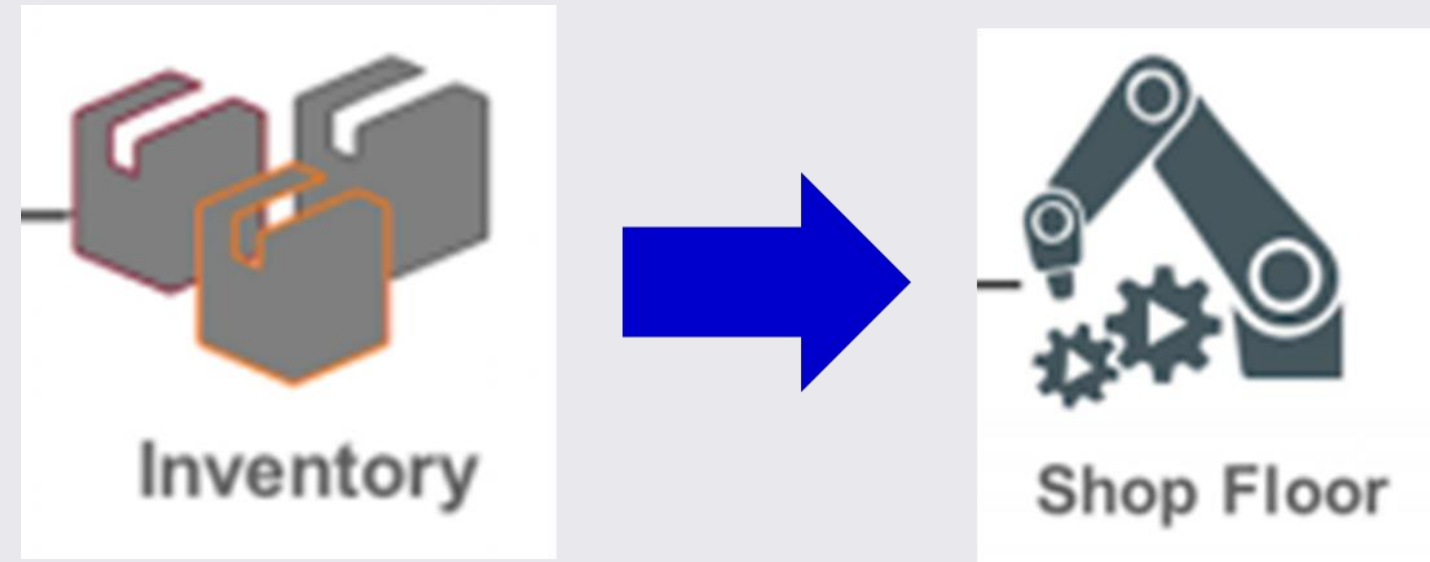
IE 2.3 – HID Global Team

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Problem Statement

- HID Global needs a system that tracks in-house inventory. There is no tracking of these part numbers once they are received and stocked inside the POU-WW.



Project Purpose

- Create inventory tracking system logging new boxes or partial inventory, and parts used or put back in a new location.
- To organize the inventory room
- Reduce waste of time, cost to company

Objectives

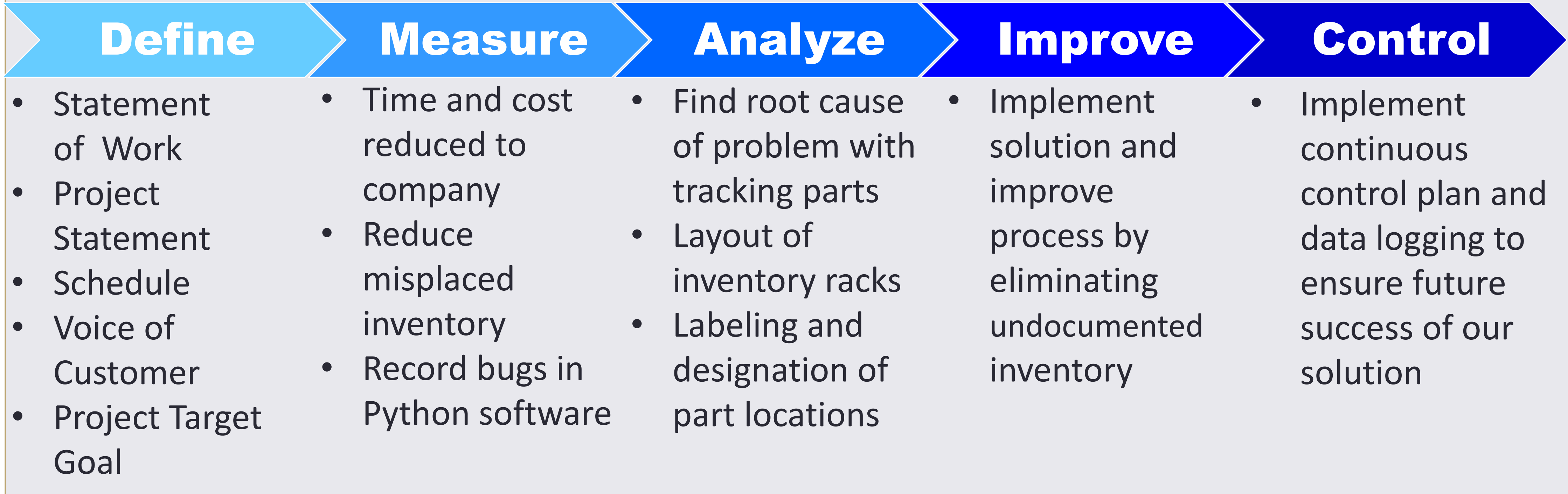
- Install of the above inventory logging systems using Python
- Improve the cleanliness of the inventory room using 5S

Improved Inventory Room

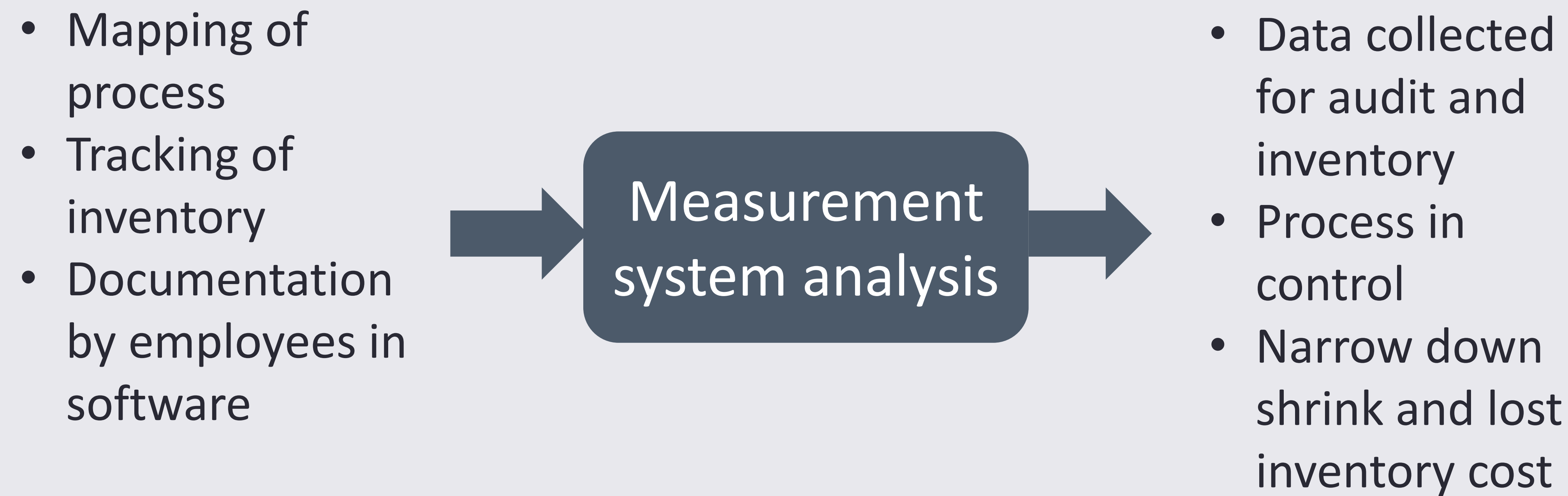
- Propose purchasing barcode scanners to label material overflow rack with QR codes for each part that the Python program will recognize.



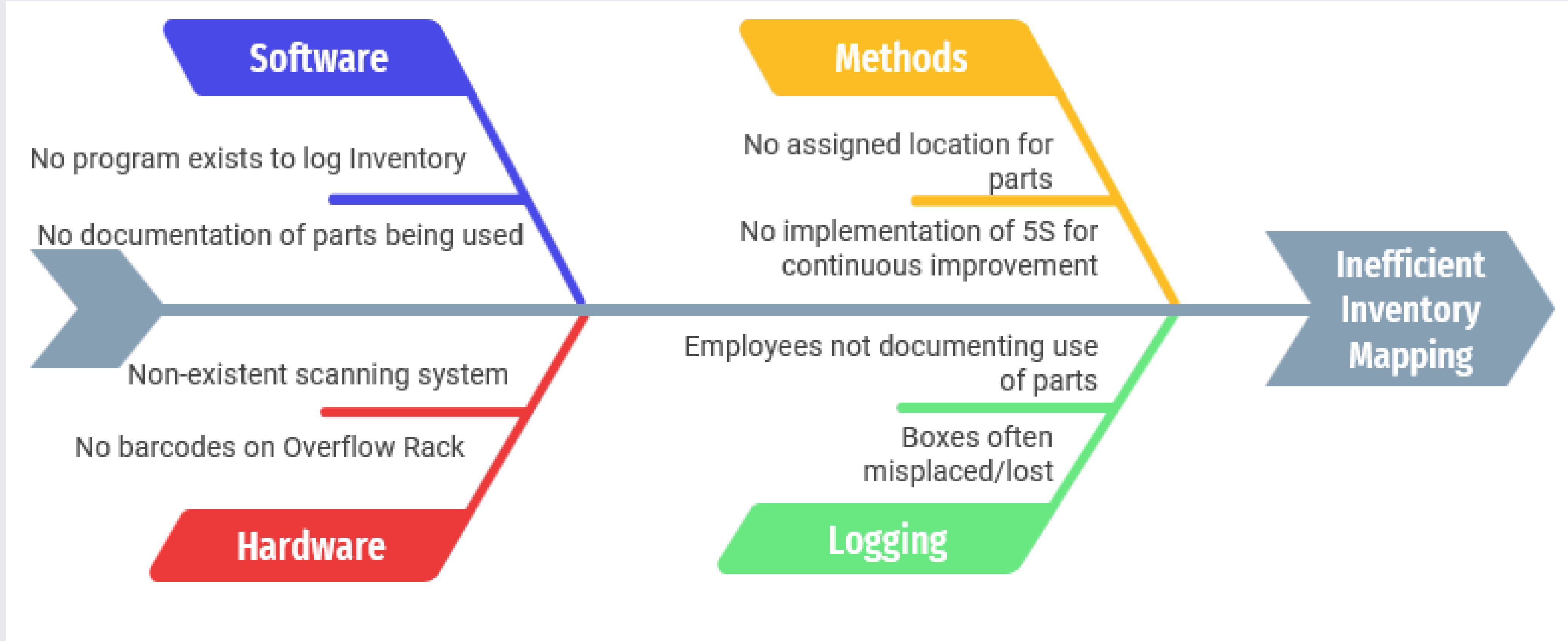
Improvement Process Methodology



Measure



Analyze



Future Plans

- Monitor inventory logging with employee data log
- Implement 5S system with scheduled employee cleaning and organization of inventory room
- Create logging system to report any bugs in Python software regulated by an HID programmer

Evaluation Criteria

OBJECTIVES	RELATIVE WEIGHT	METRIC
System to log inventory into database.	0.60	Pass: Scanners and code are logging inventory into desired storage database. Fail: Inventory not being logged
New barcodes on racks are assigned to each part/box. The barcodes will be variables in programming code written next semester.	0.30	Pass: Scanner recognizes each barcode and inputs value for inventory with proper part ID. Fail: Barcodes not registering and failing to track.
Using 5S system to maintain continuous improvement of system and organization of inventory room.	0.10	Pass: Employees scanning each time they grab parts, inventory room maintained and organized with regular schedule. No boxes placed in un-assigned areas. Fail: Boxes placed anywhere and not on assigned racks, checklist for 5S not followed on regular schedule.

Team Members



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