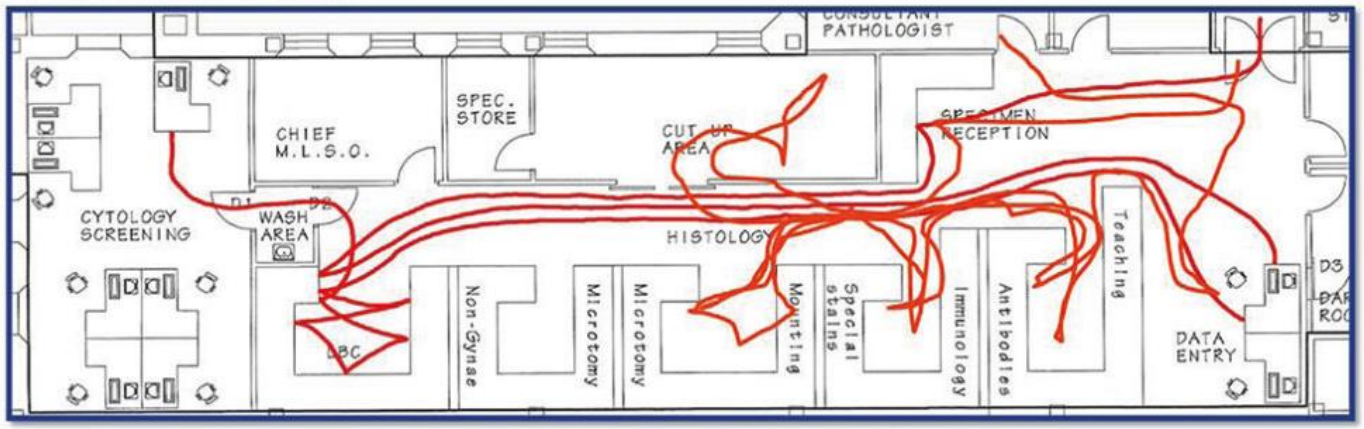
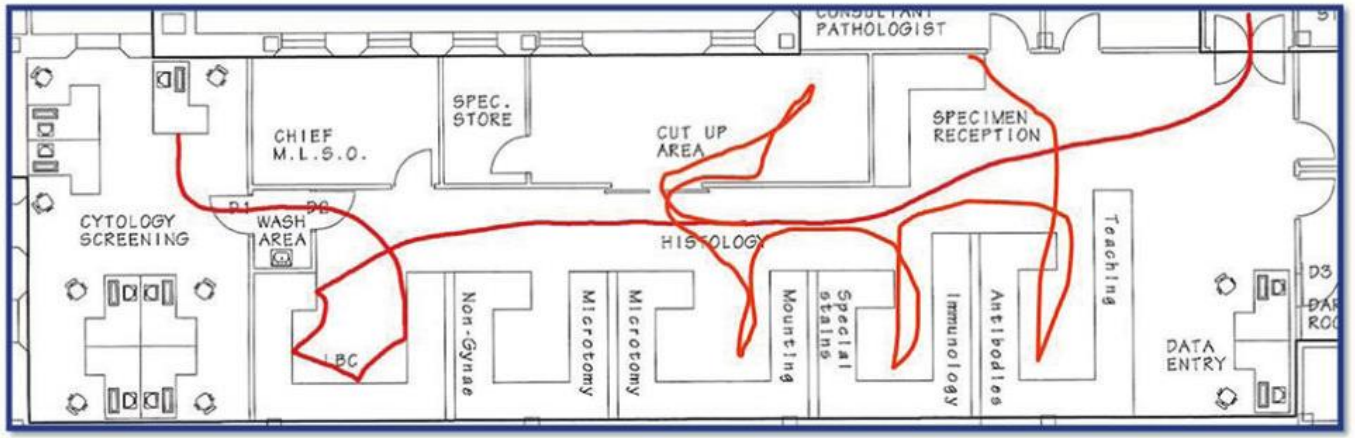
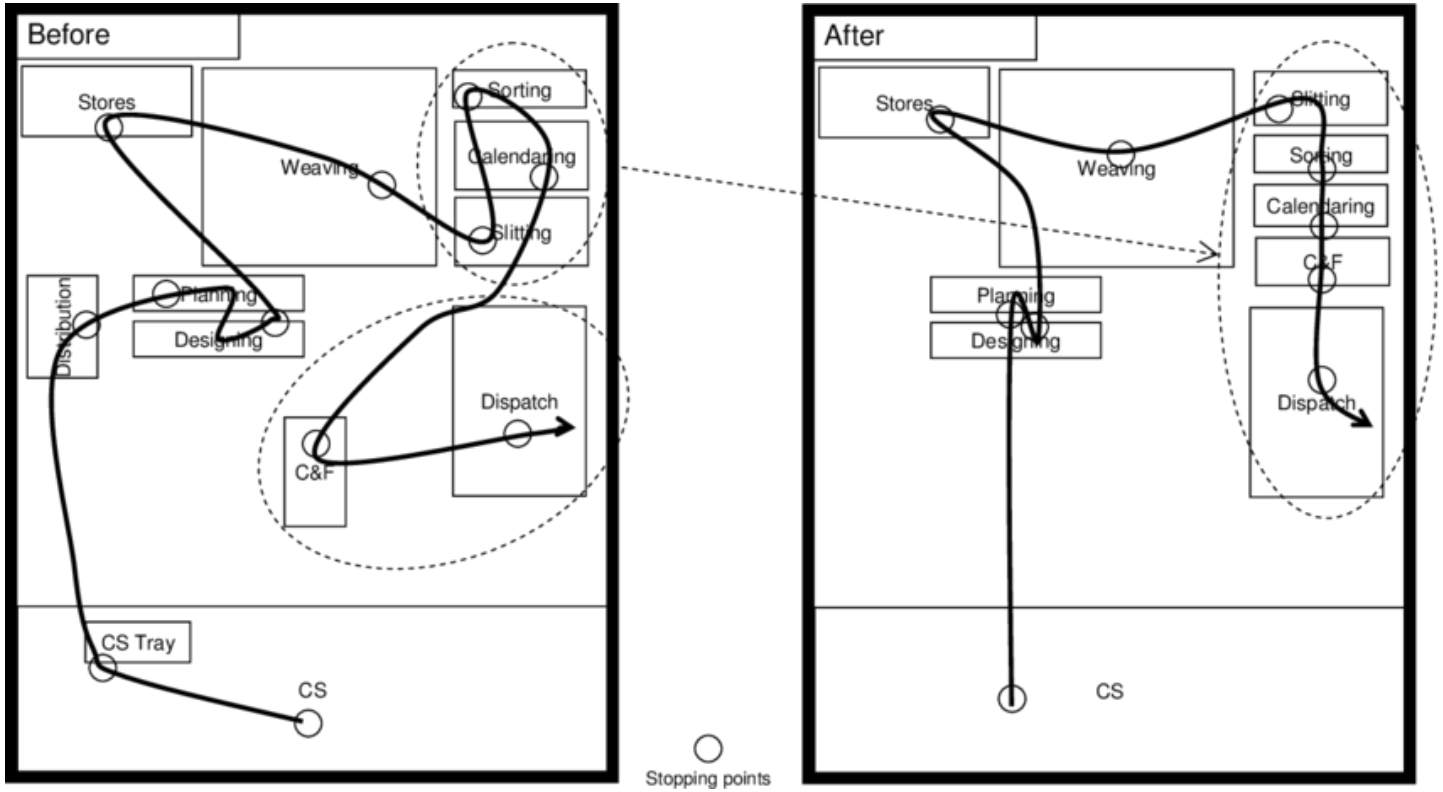
Spaghetti Diagram

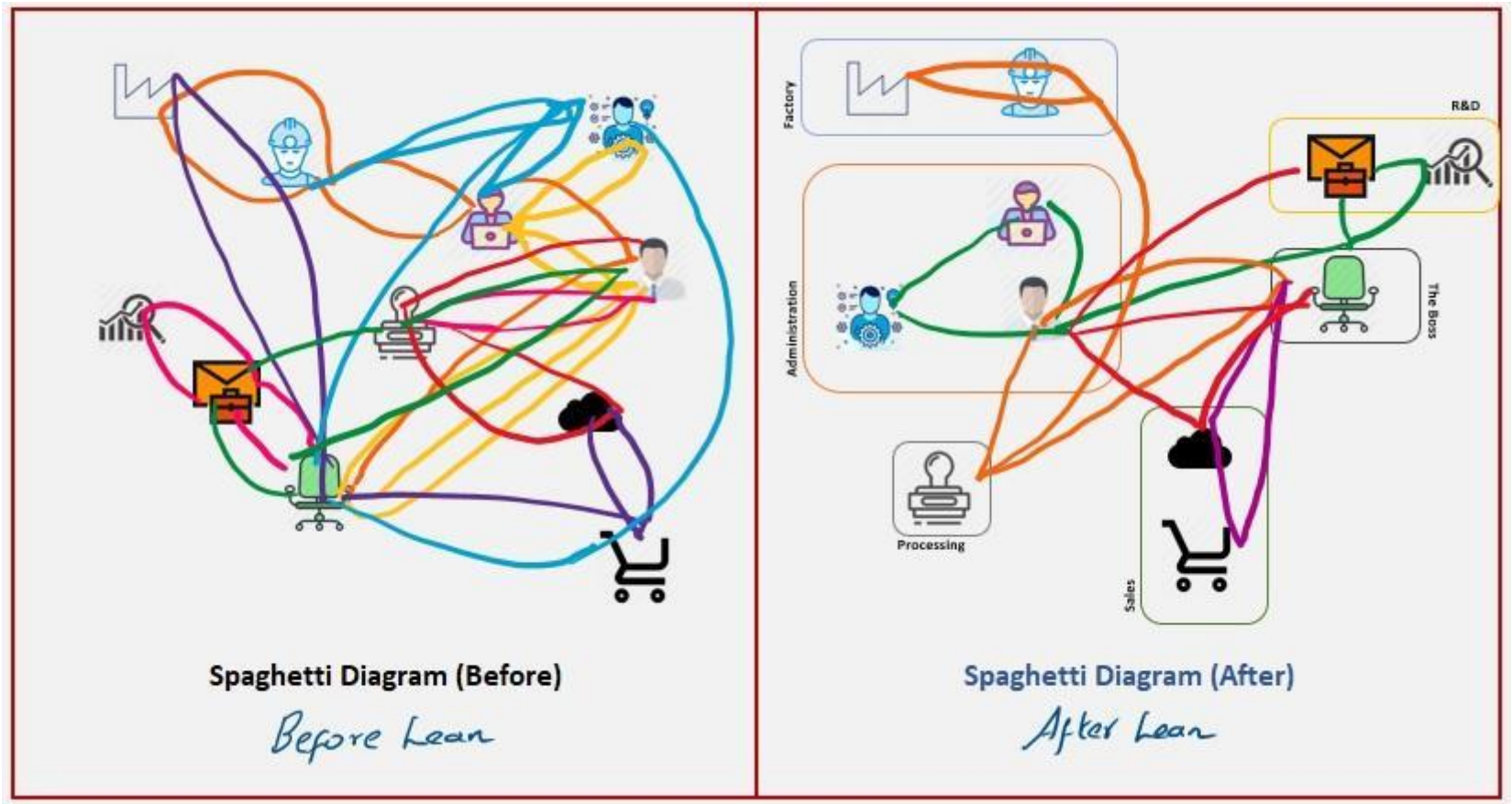
Before LEAN



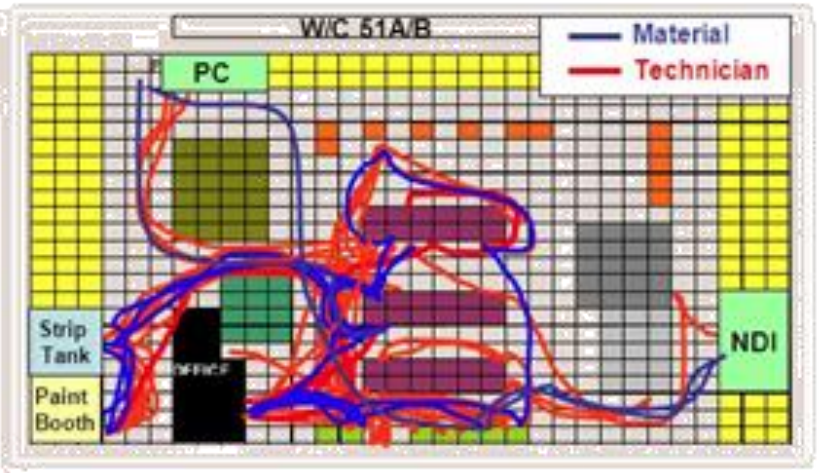
After LEAN



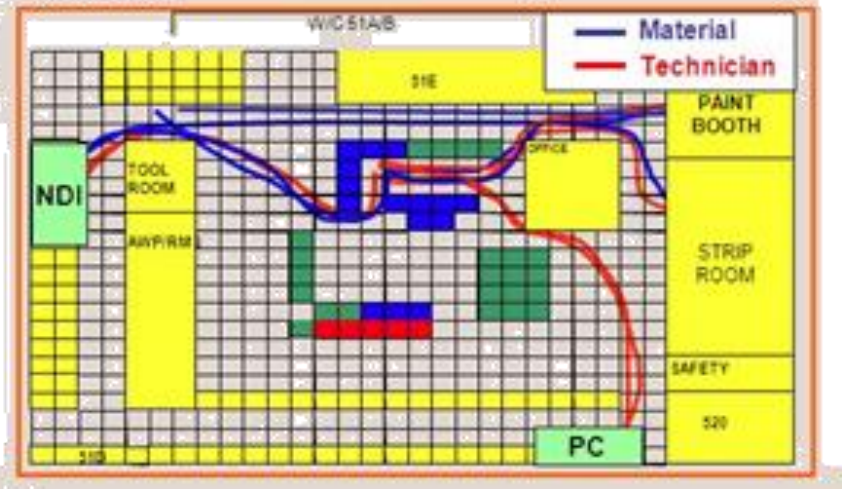

Before
Stores
Weaving
Sorting
Calendaring
Slitting
Distribution
Planning
Designing
Dispatch
C&F
CS Tray
CS
Stopping points
After
Stores
Weaving
Slitting
Sorting
Calendaring
C&F
Planning
Designing
Dispatch
CS


Spaghetti Diagram (Before)
Before Lean
Factory
R&D
Administration
The Boss
Processing
Sales
Spaghetti Diagram (After)
After Lean

BEFORE



AFTER



Objective

Apply the methodology in the real world. Choose a workstation, office area, shop, warehouse, service area.

Proposal

Understanding of the BEFORE and AFTER when applying this tool to improve working areas. Provide a dollar value to the distance and time spend.

Measure the distances and quantify the cost.

Provide justification for an improvement if is reasonable (enough savings vs the cost of implementation). Calculate annual savings to justify investment to modify the area/layout, machinery, desks, service stations.

Dynamic

1. Get a layout of the area or draw it as close as scale as possible.
2. Go to Gemba (where the action happens to be).
3. Choose part or people.
4. Measure and quantify the distance and time. Use Template of any other drawing software like Lucid charts, MS Visio, or plan pencil and paper.
5. Propose a change if required, where required to save time
6. Quantify the labour cost based on hourly rates, consider distance and travel time. Calculate annual cost. Do the same for the proposed change. The difference is the savings.
7. Present and Sell the Improvement to management.
8. Present a proposed action plan: Who, what, when, how much. Use Action and Implementation Plan template.