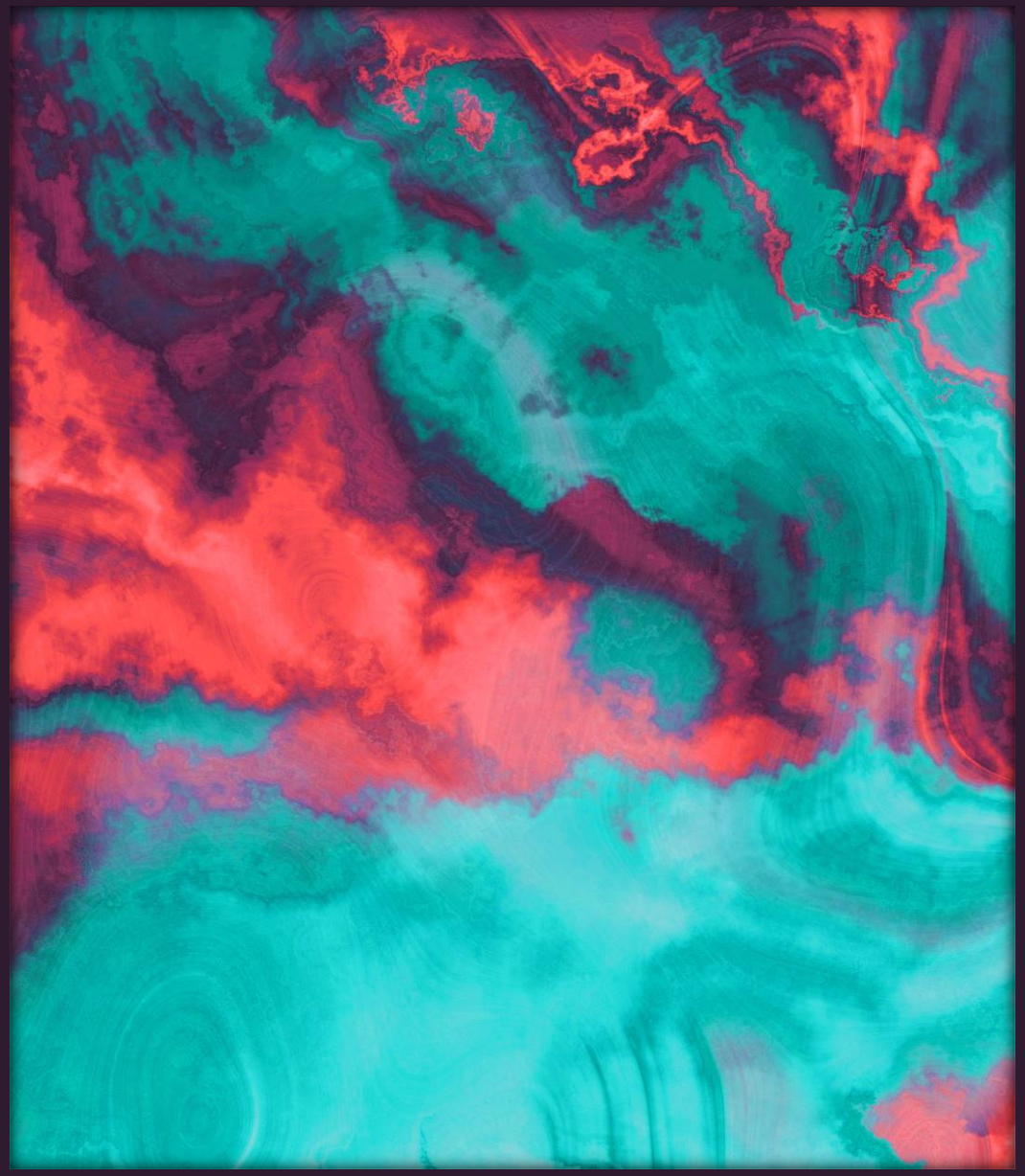
THROUGHPUT & SUSTAINABILITY

Warehousing Throughput, Operations Management in Sustainable Efficiencies



INTRODUCTION:

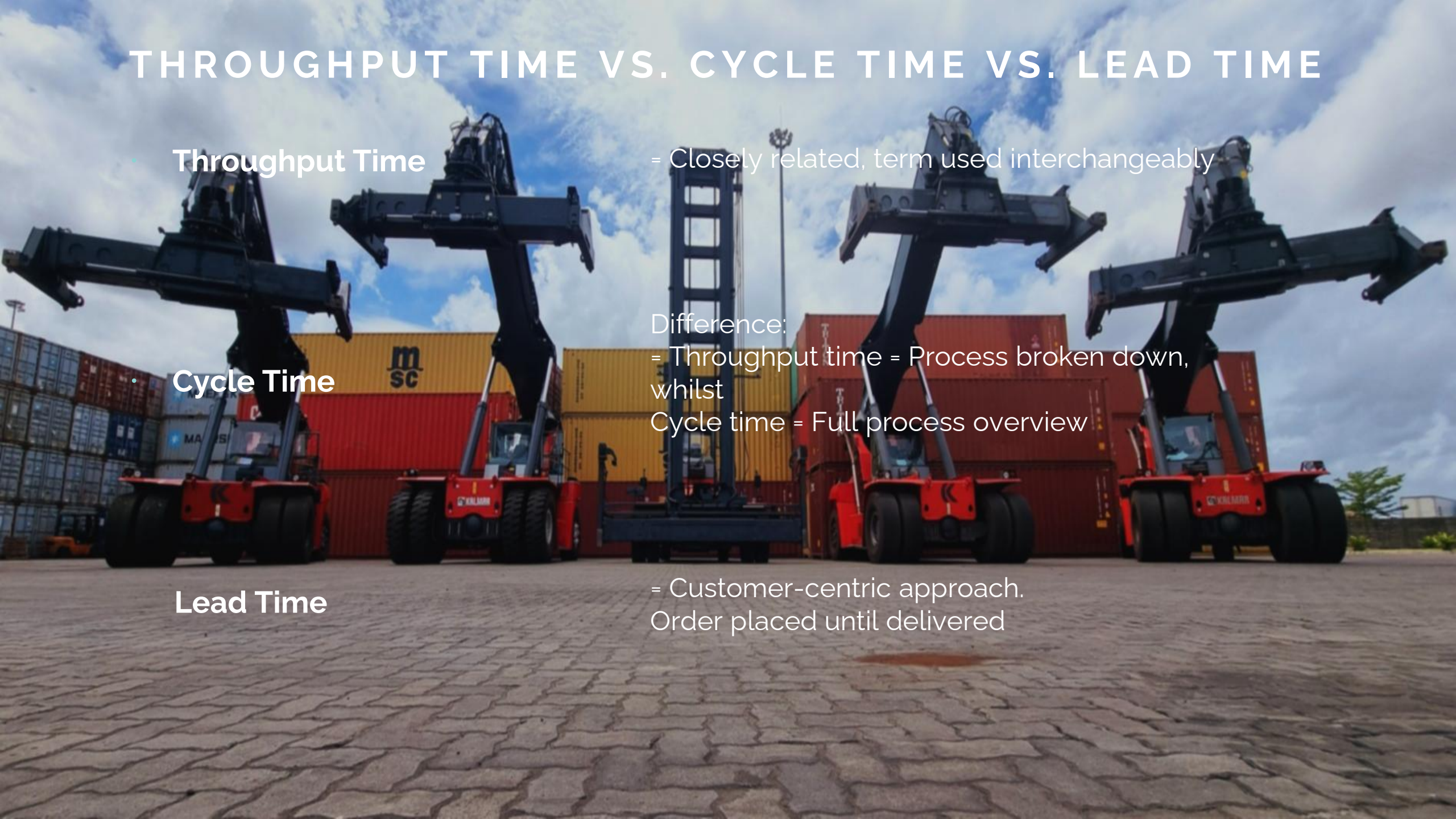
WHAT IS THROUGHPUT?

"Do more with less! "

"Do as much as possible in the shortest period of time"?

Main contributors of throughput:

THROUGHPUT TIME VS. CYCLE TIME VS. LEAD TIME



- **Throughput Time**

= Closely related, term used interchangeably

- **Cycle Time**

Difference:
= Throughput time = Process broken down, whilst
Cycle time = Full process overview

- **Lead Time**

= Customer-centric approach.
Order placed until delivered

THROUGHPUT DEFINED:

• Process time	=	Time from docs received to goods delivered
• Receiving	=	Initial stage: Time elapsed for goods receipt
• Storing	=	Time elapsed of used space. What does unutilized space cost my business? What do I prioritize?
• Picking & Packing Loading/Offloading	=	Operational efficiency: Weighbridge-in to Weighbridge-out
• Admin & Dispatch	=	Admin efficiency: Weighbridge-out to “get on the road, Jack!”

You cannot improve what you cannot measure!

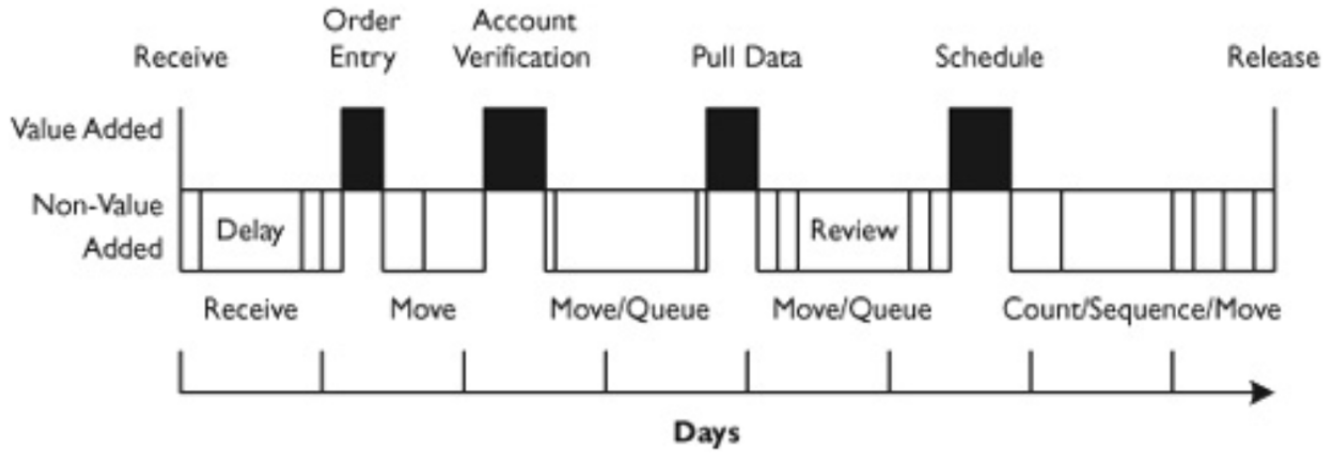
ELIMINATING WASTE: VALUE ADDED VS. NON-VALUE ADDED:

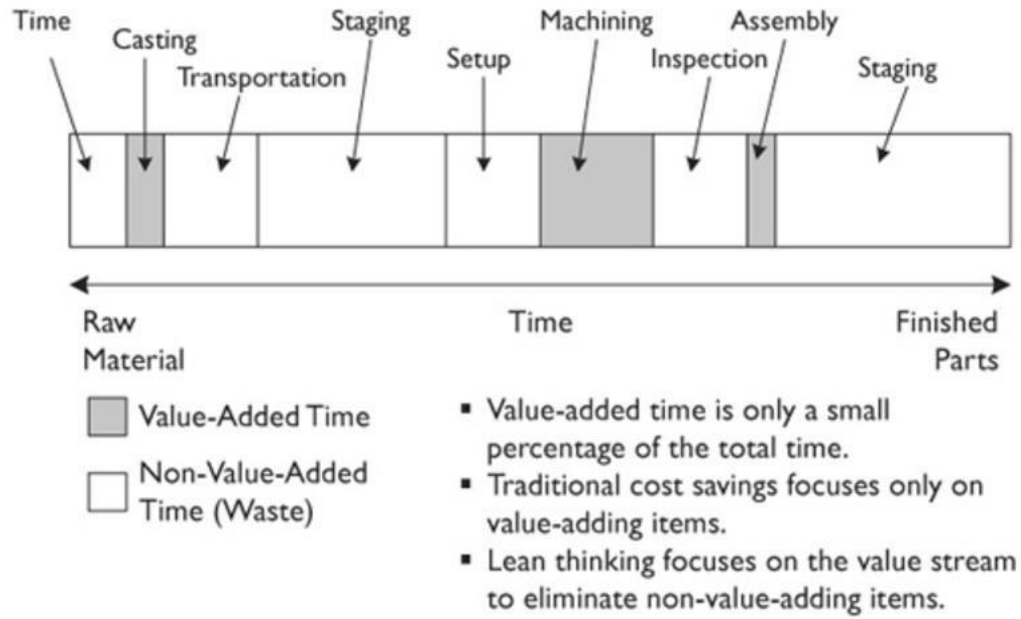
TAKEAWAY POINTS:

FOCUS ON WHAT YOU CAN CONTROL

REDUCING THE TIME ELAPSED ON WASTE DURING YOUR PROCESS FLOW, WILL INCREASE THE TIME AVAILABLE FOR VALUE ADDED STEPS
= HIGHER THROUGHPUT

BREAK DOWN FURTHER ALL CONTRIBUTING THROUGHPUT STEPS TO SEE WHAT IS COSTING YOU VS. BENEFITING YOU
= FULL OVERVIEW





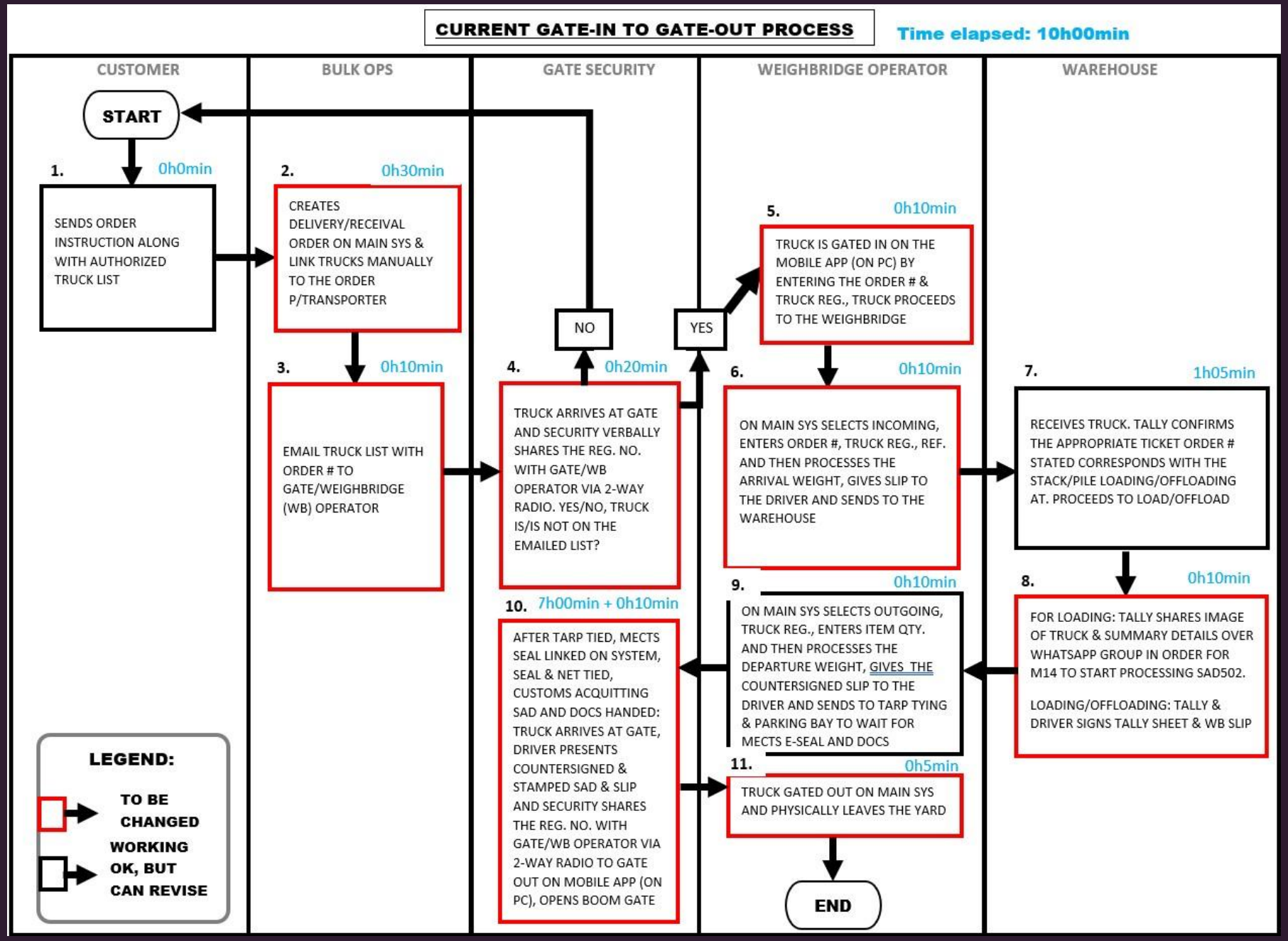
True or false:
Focus on your strengths and manage your weaknesses?

Why?

Why false:
Waste is seen as a weakness in any business, yet it takes up most of the time during the process flow. Does eliminating waste not deserve more attention than the value-added part contributing the least to the time?

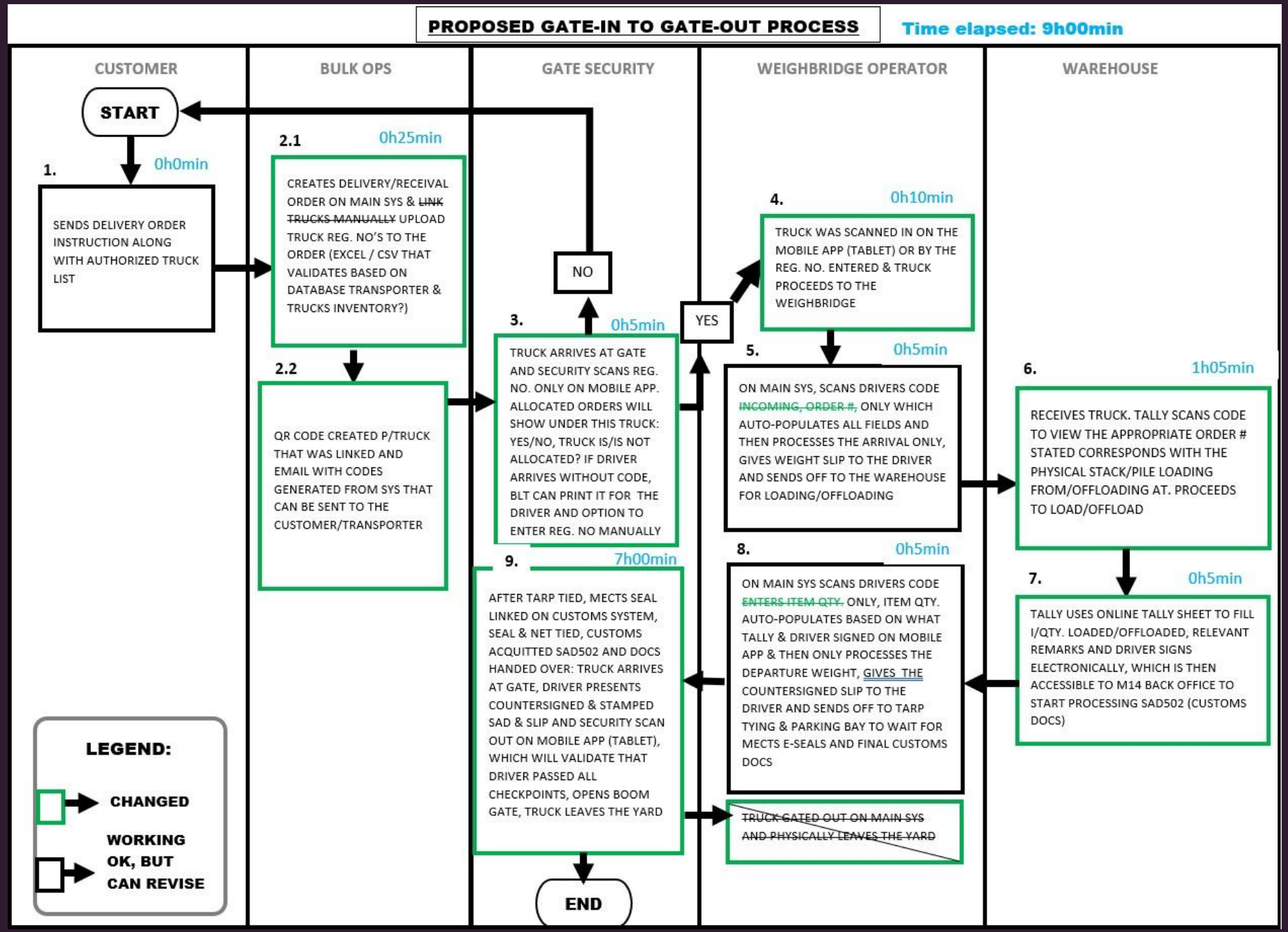
EXAMPLE OF PROCESS FLOW IN WAREHOUSING:

BEFORE:

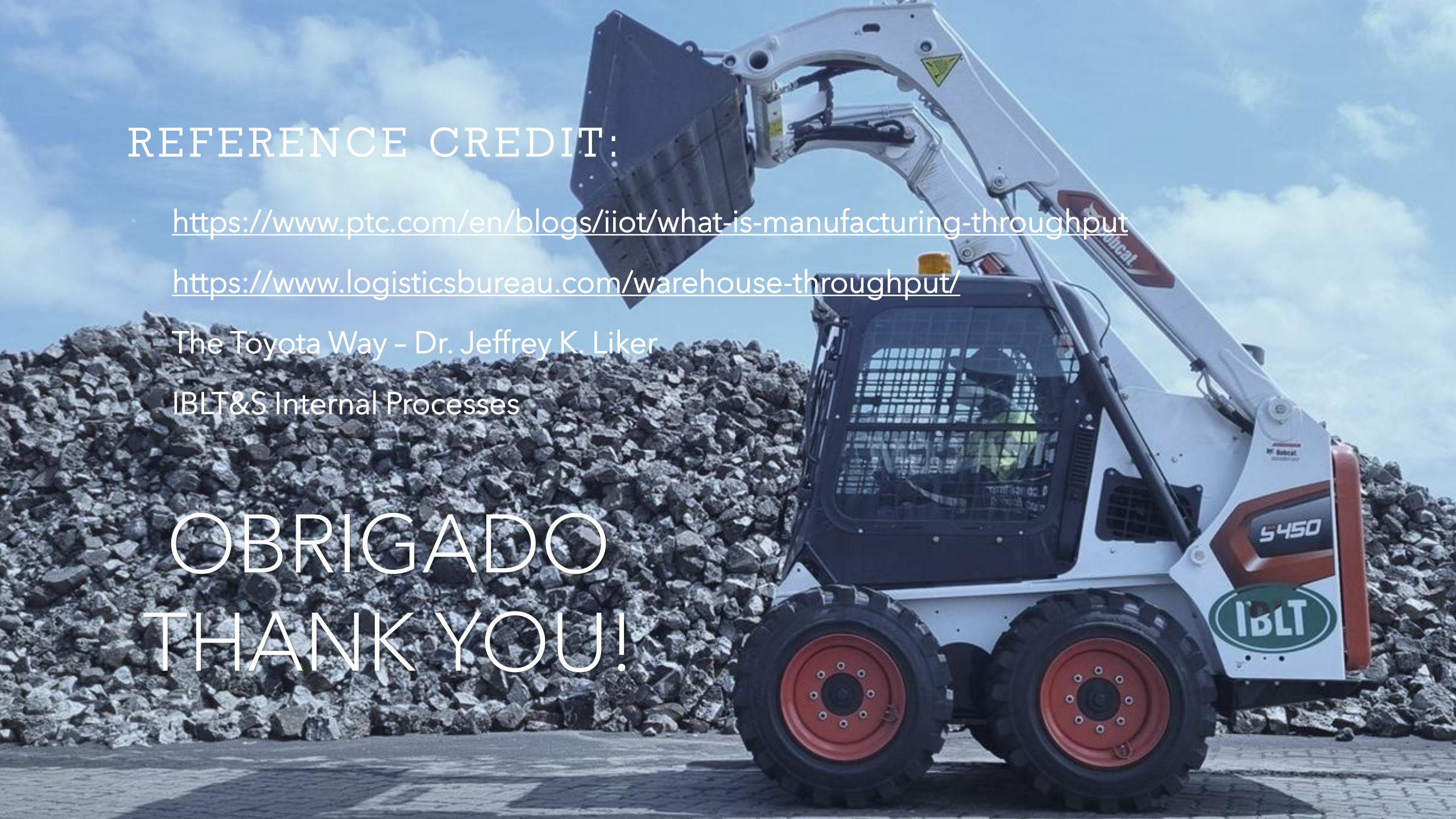


EXAMPLE OF PROCESS FLOW IN WAREHOUSING:

AFTER:



SUSTAINABILITY BASED ON THE TOYOTA WAY & PHILOSOPHY



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OBRIGADO
THANK YOU!