Theory Of Constraints





Two different ways to approach complex systems

THE TRADITIONAL WAY





Two different ways to approach complex systems

THE SYSTEMIC WAY







Chain Analogy Capitalizing on the Inherent Simplicity





1. *IDENTIFY* the system's constraint(s).

What limits the system to reach higher performance.



2. *EXPLOIT* the system's constraint(s).

Squeeze it, get the most out of it.



3. SUBORDINATE everything else to the decision in step 2. Do whatever be needed to exploit the constraint. But don't do more!!



4. ELEVATE the system's constraint(s).

Check also if it actually went where we expected it to go.



5. If a constraint has been broken GO BACK to step #1, but... Beware of Inertia!

1. *IDENTIFY* the system's constraint(s).

2. Decide how to *EXPLOIT* the system's constraint(s).

3. SUBORDINATE everything else to the above decision.

4. ELEVATE the system's constraint(s).

5. If in the previous steps a constraint has been broken Go back to step #1, but do not allow Inertia to become a system's constraint.

TOC Solutions

- Operations Drum Buffer Rope
- Project Mgmt Critical Chain
- Distribution Replenishment
- Finance Throughput Accounting
 HR Day to day thinking

tools

Strategy the

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The thinking processes &

viable vision process

Dependency & Fluctuations The twin killers





Case Study

A Mexican Metal Stamping Company (OEM's Supplier)

General implementation plan

- Deliver a DBR workshop to train a team and at the same time make this team implement it in one production line as a pilot test.
- Evaluate the impact and the results on this pilot test. (results were far beyond the expectations)
- Proceed to analyse the whole operation and set up the model for the TOC production solution
- Do a full DBR implementation.





Now the market 1s the constraint



MERCI BEAUCOUP!