

Warner Robins Air Logistics Complex



CPI Approach

Presented By:
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November 2012

We Deliver Airpower...Period!



Continuous Process Improvement Tool Set

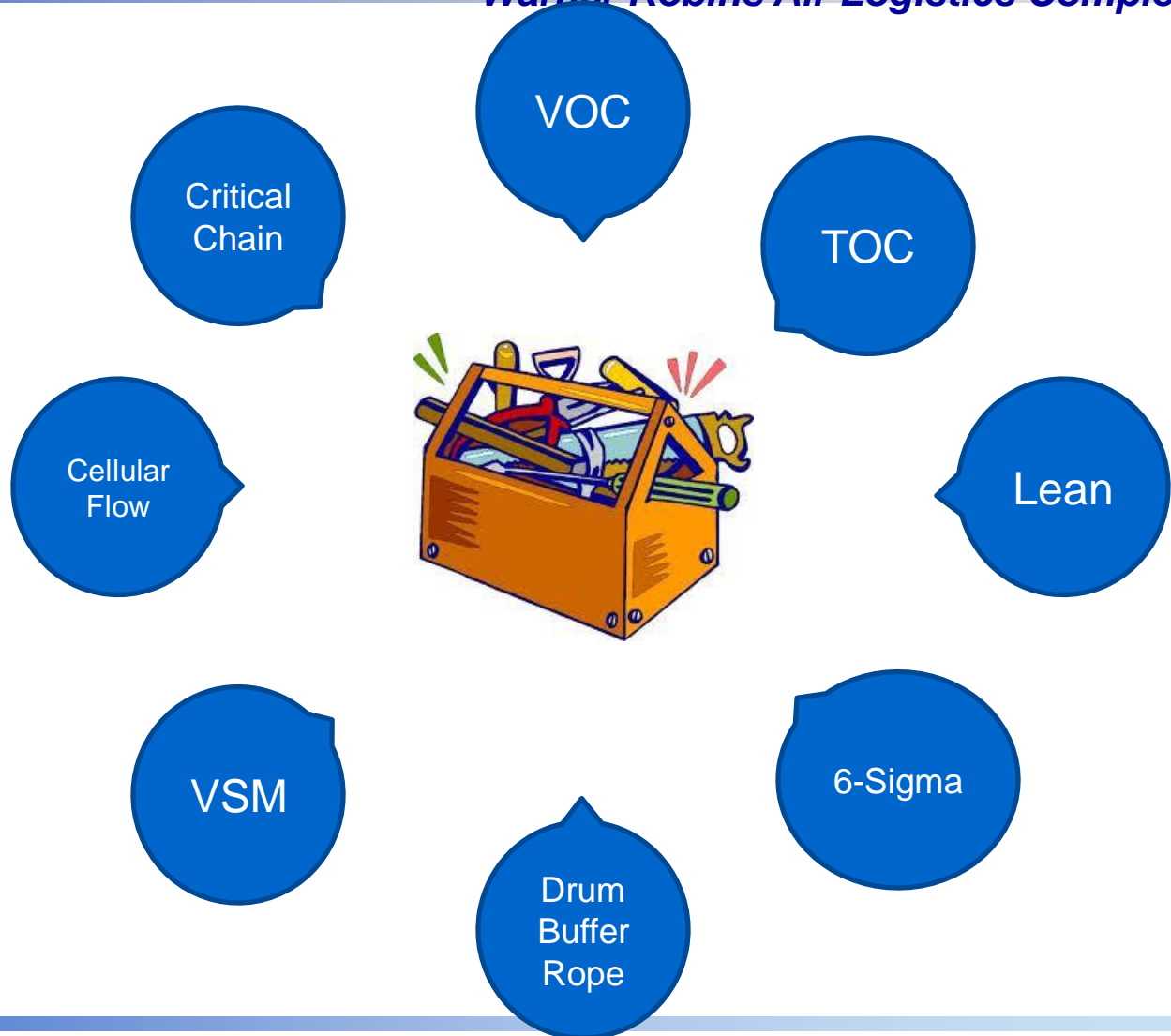


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WHICH TO USE?



WHEN TO USE?



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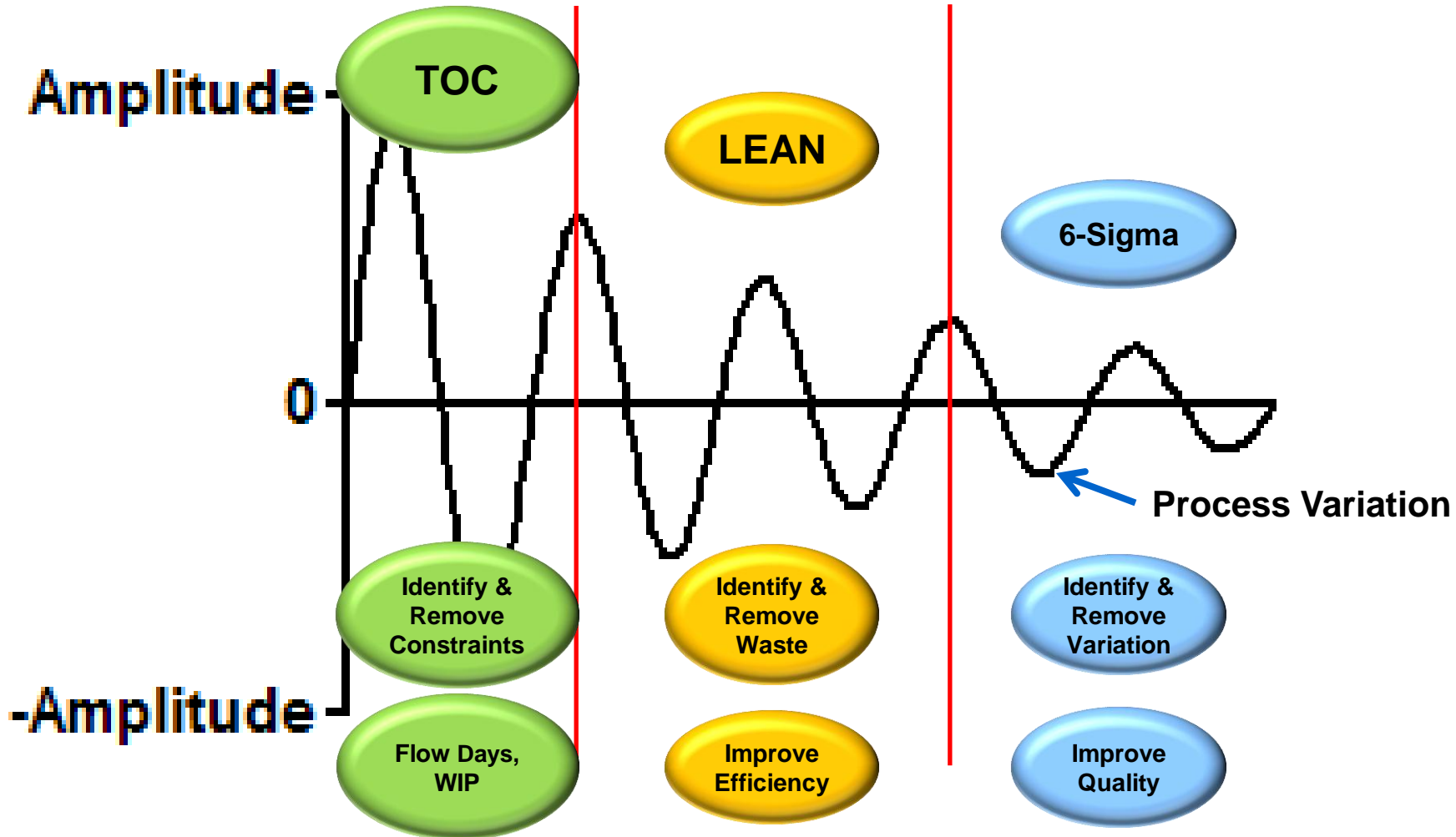


Squiggly Line Theory



CPI – Linking tools and philosophies

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Summary



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Tool usage will vary depending on the type of problem you have and/or you may utilize a different tool along the way as you continuously improve

USE THE TOOLS; DON'T LET THE TOOLS USE YOU

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BACKUP

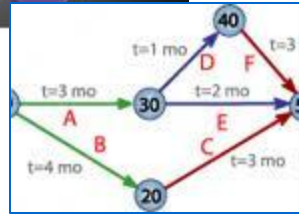
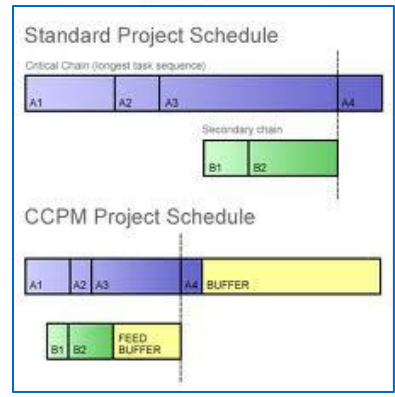
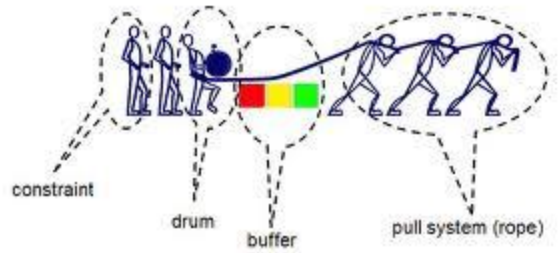
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Continuous Process Improvement Tool Set

at Warner Robins Air Logistics Complex

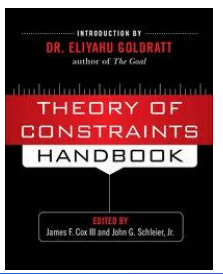
Lean



WHICH TO USE?



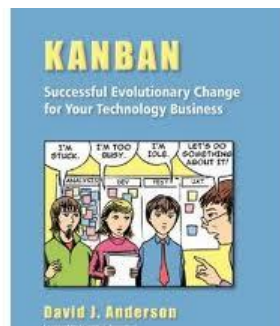
WHEN TO USE?



Six Sigma - DMAIC Cycle

- Control: Control the process with statistical methods, Process capability.
- Define: Define project (Problem, process improvement goals, scope, time plan, resources), Breakdown Processes, SIPOC Process Flow, CTE table, Fishbone...
- Measure: Measure how well process really fulfills existing customer's needs, Process map...
- Analyze: Analyze process data & main causes of defects, Determine possible areas of improvement, gaps, Fishbone, Process Flow, CI table...
- Improve: Improve and optimize the process, Process Variance...

Tools: Performance dashboard, SIPOC model, RASCI matrix, Input/output, Process Optimizer, Fishbone, Simulation, Minitab.



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Summary



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- **VOC-** Listen to your customer
- **Data-** should drive you in the right direction
- **Theory of Constraints (TOC)** - good starting point if variation is coming from multiple sources / processes
- **Lean-** drive waste out of the process to reduce variation
- **Six Sigma-** seeks to drive out all variation within the process

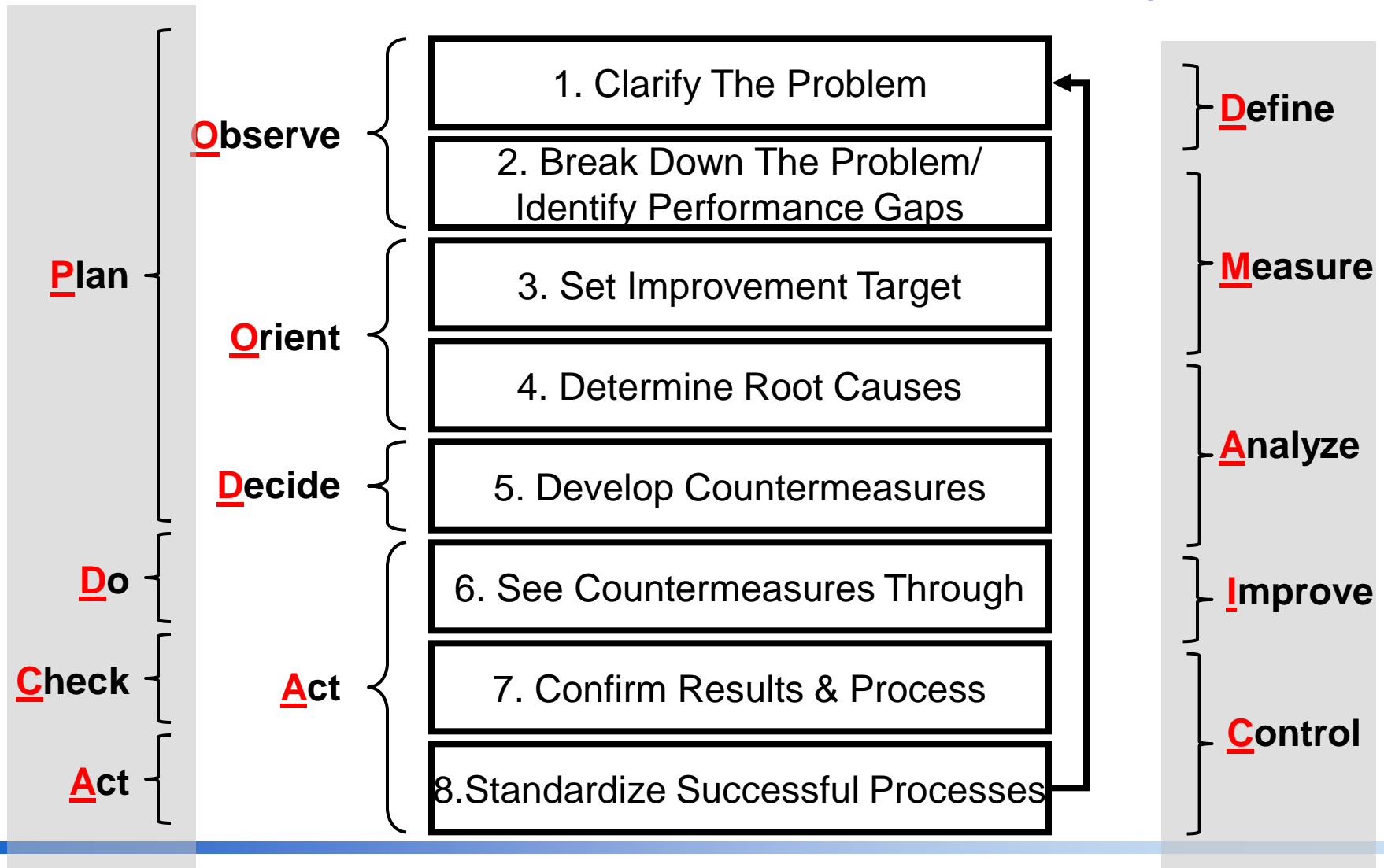
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Air Force Problem Solving Model



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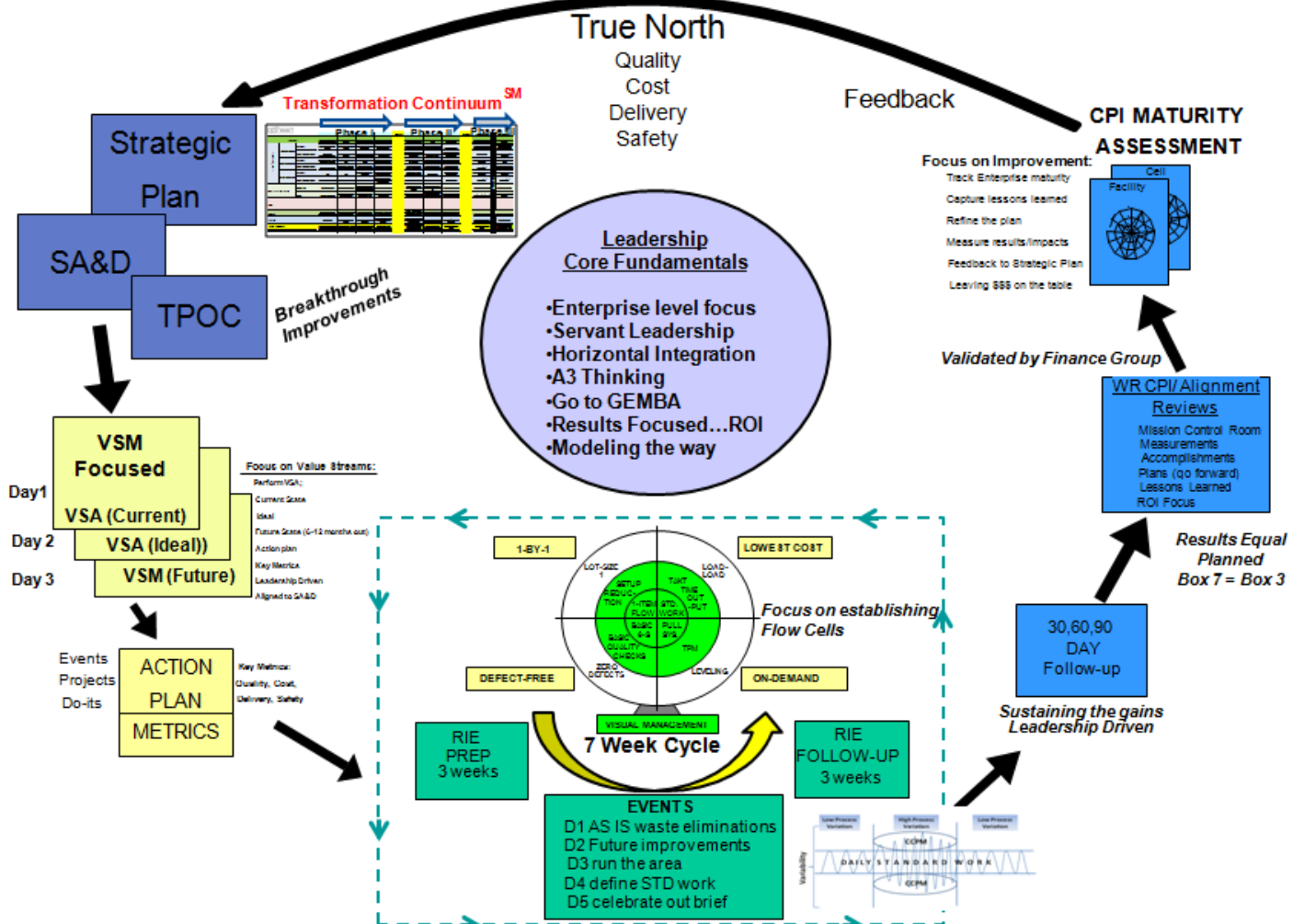
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WR Roadmap to CPI

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WR Roadmap to Continuous Process Improvement



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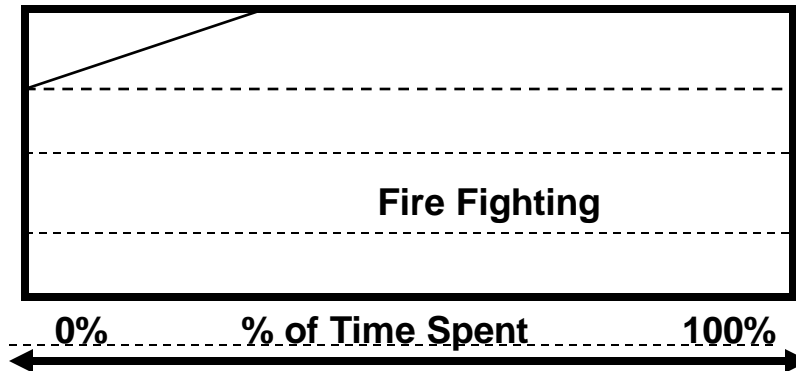


Time to begin Doing Lean

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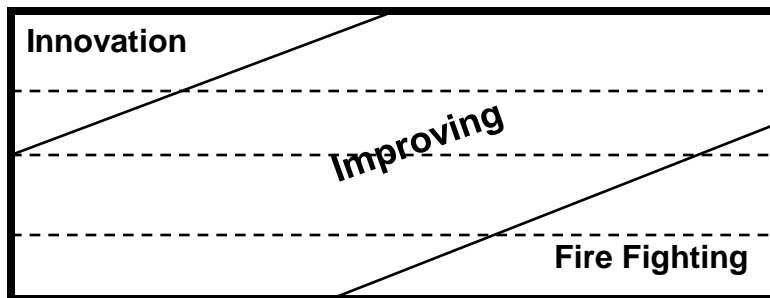
Typical Non-Lean organizations

FROM



Senior Leaders
 Middle Management
 First Line
 Workers

TO



Senior Leaders
 Middle Management
 First Line
 Workers

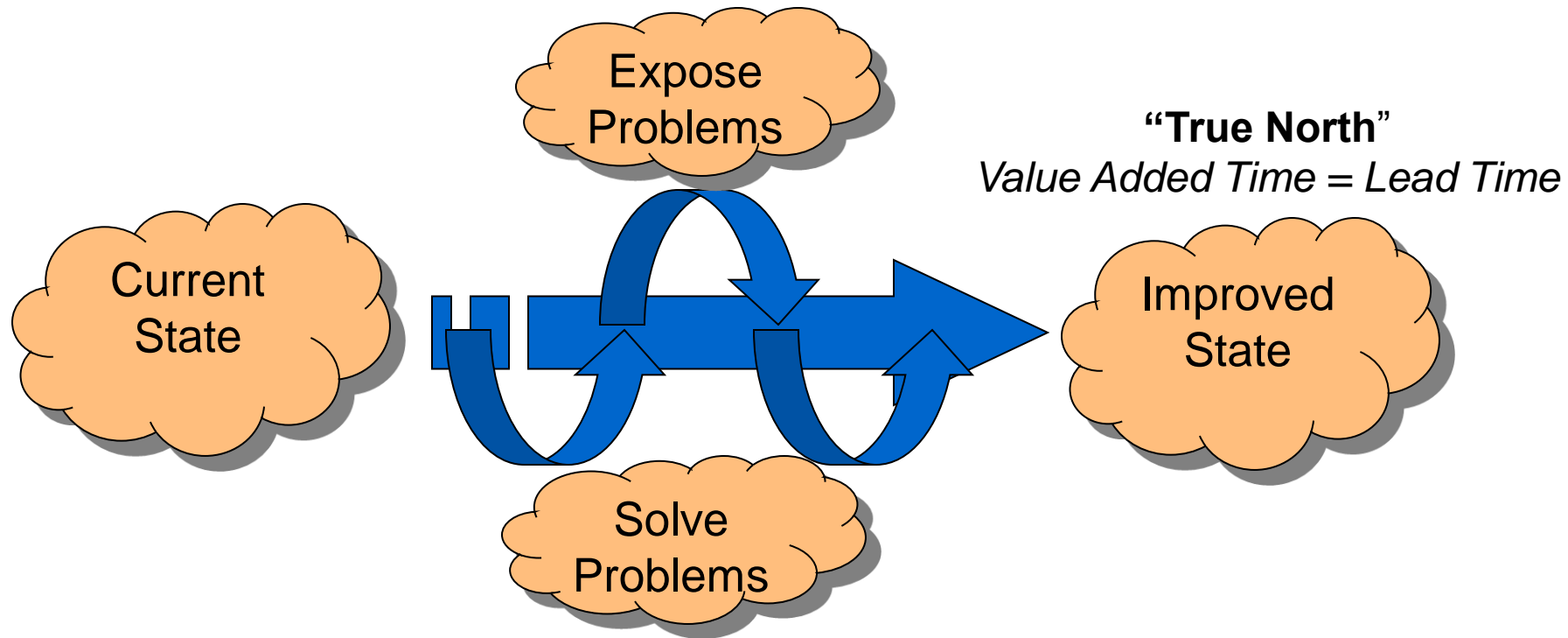
Source: IMAI & Koenigsaecker

Changing the way you work!!



Use the Tools...

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... to create the future

"Our own attitude is that we are chartered with discovering the best way of doing everything and that we must regard every process employed in the business as purely experimental"
Henry Ford



The Means to the End



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- **Lean Transformations use “Lean” as the Vehicle to accomplish a specific breakthrough Business Strategy or Objective.**
- **The real value in a Lean Transformation is not the short term results ... it is the understanding of the people and “enabling structure” created by Leadership to improve every day**