

From Firefighting to Lean Leadership

John Shook
Lean Global Network
For CXO 2019

If “Firefighting” is the problem...

→ Why do we firefight??



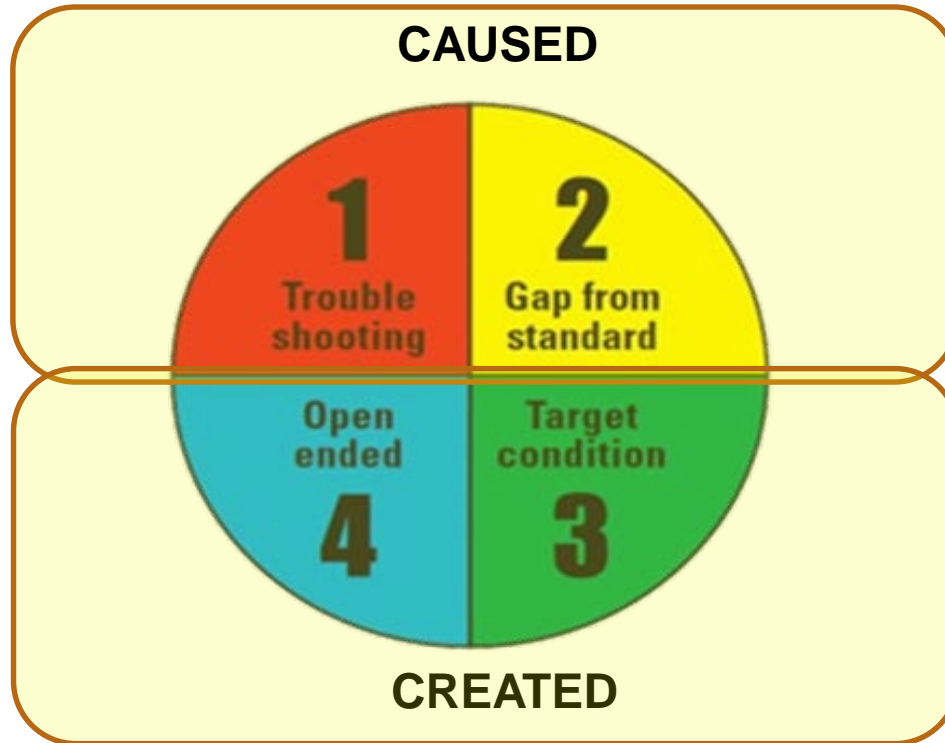
If “Firefighting” is the problem...



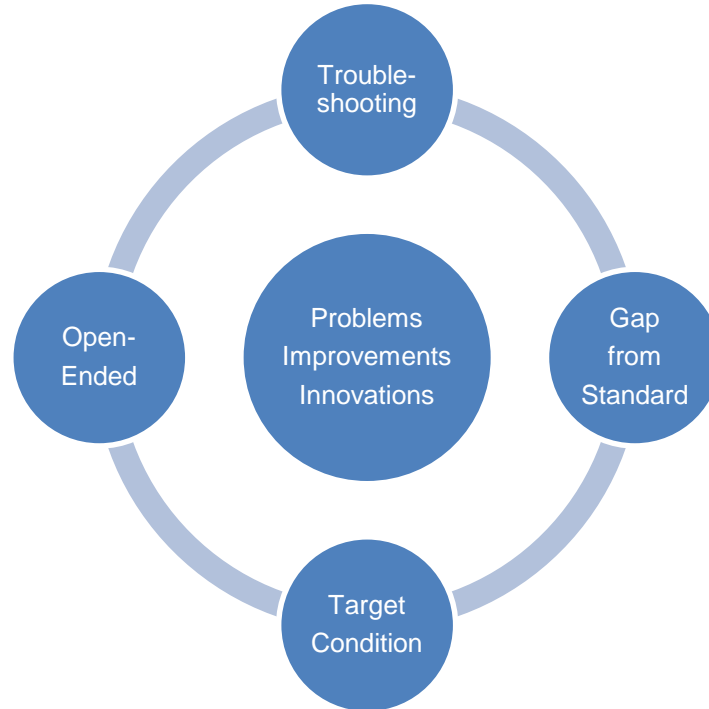
The 4 Types of Problem Solving



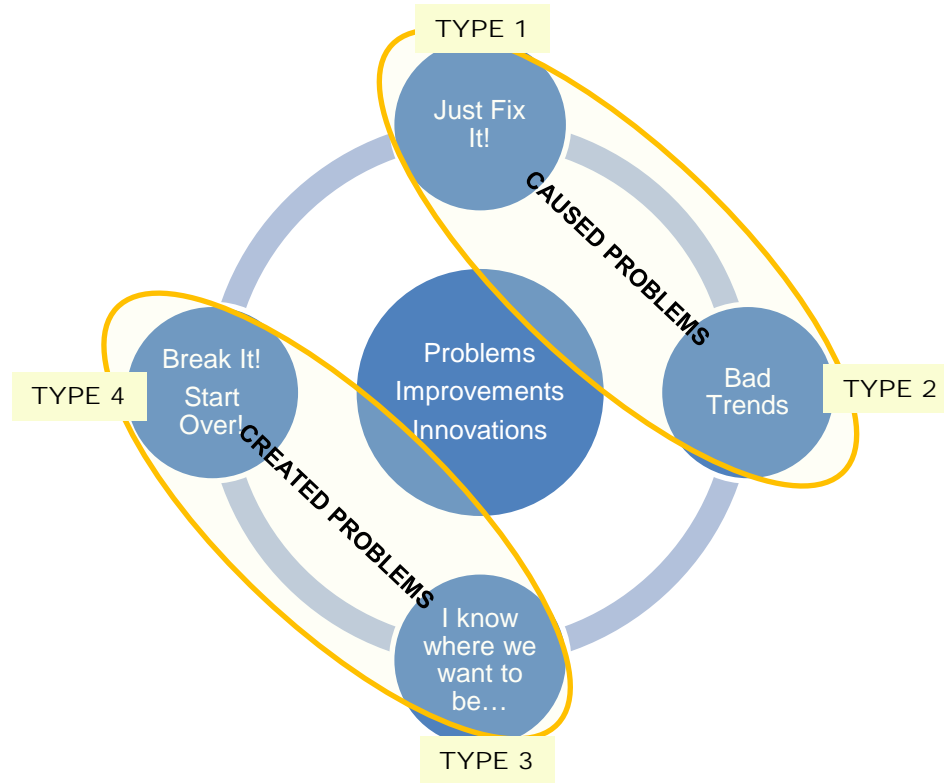
Caused Problems and Created Problems



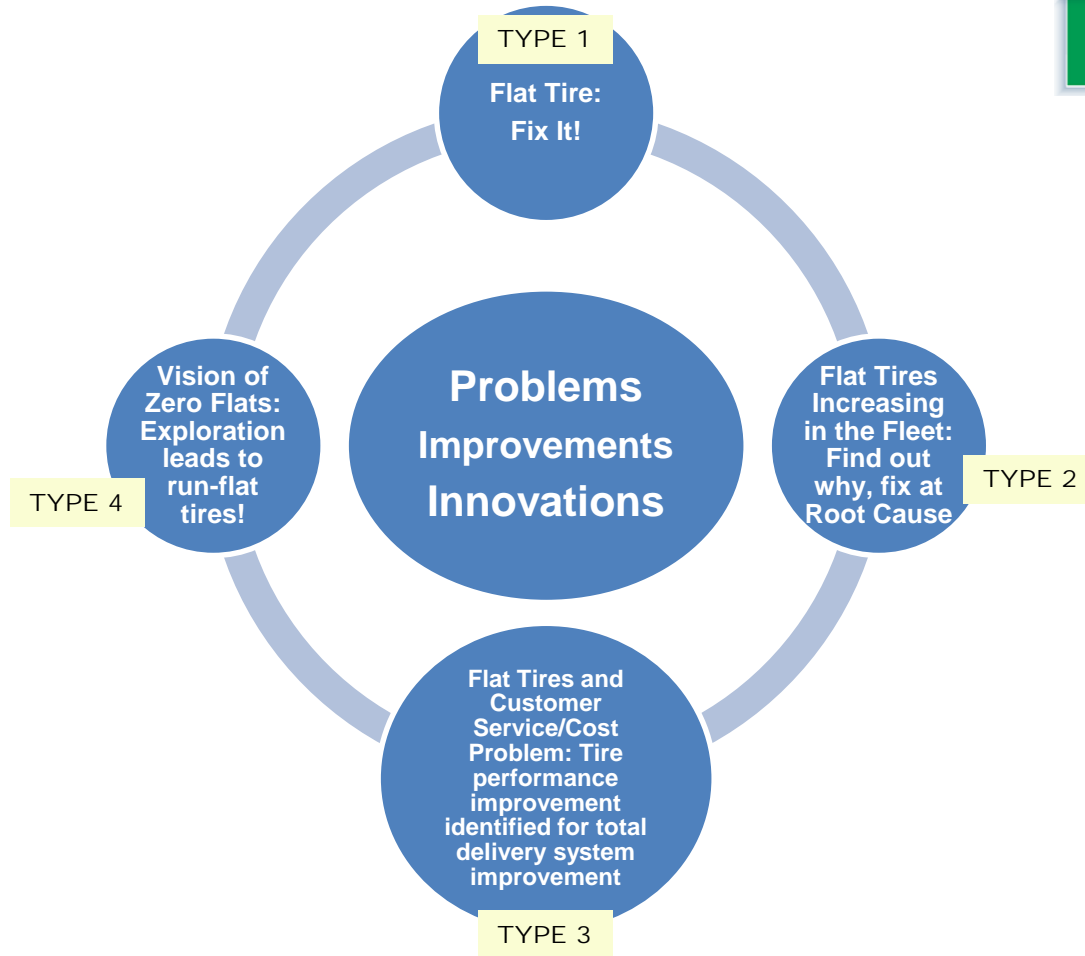
The Four Types of Problem Solving



The Four Types of Problem Solving: Caused Problems and Created Problems

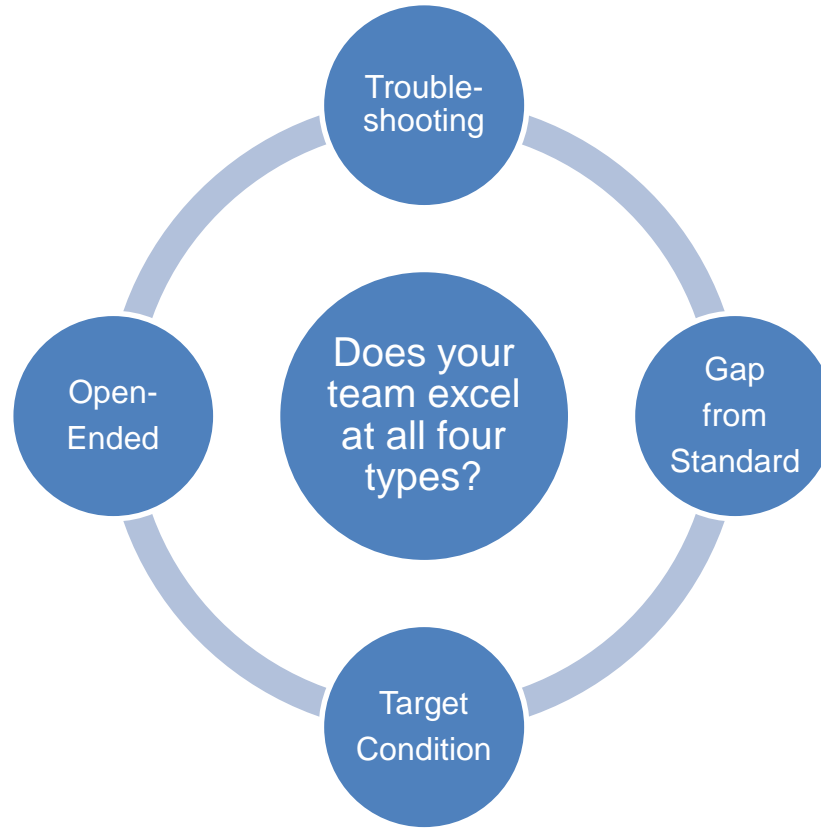


Flat Tires, Four Ways



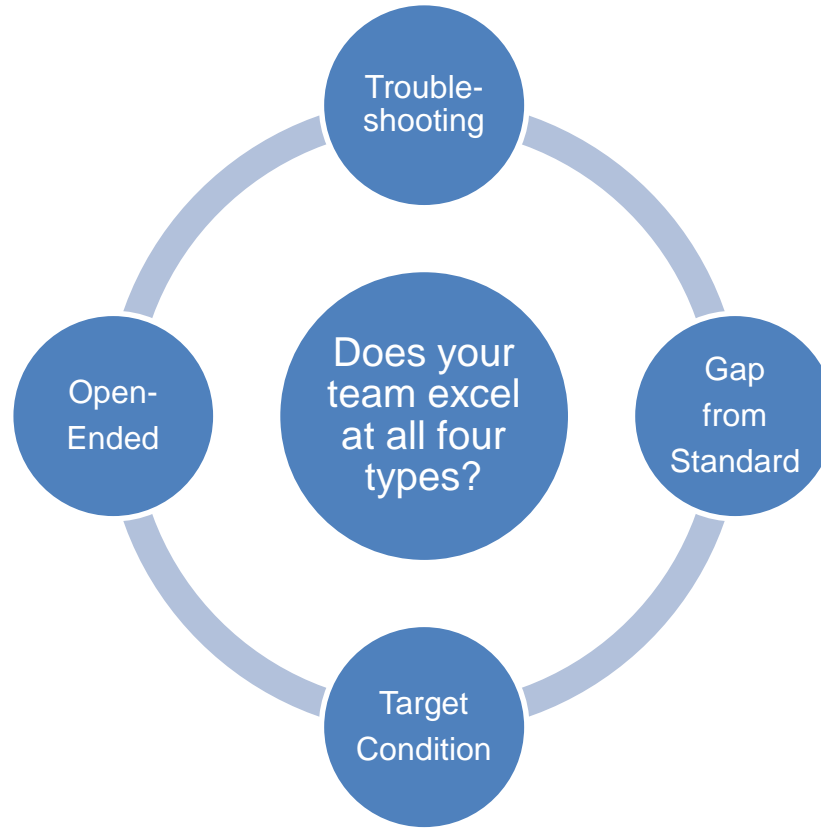
The Four Types of Problem Solving

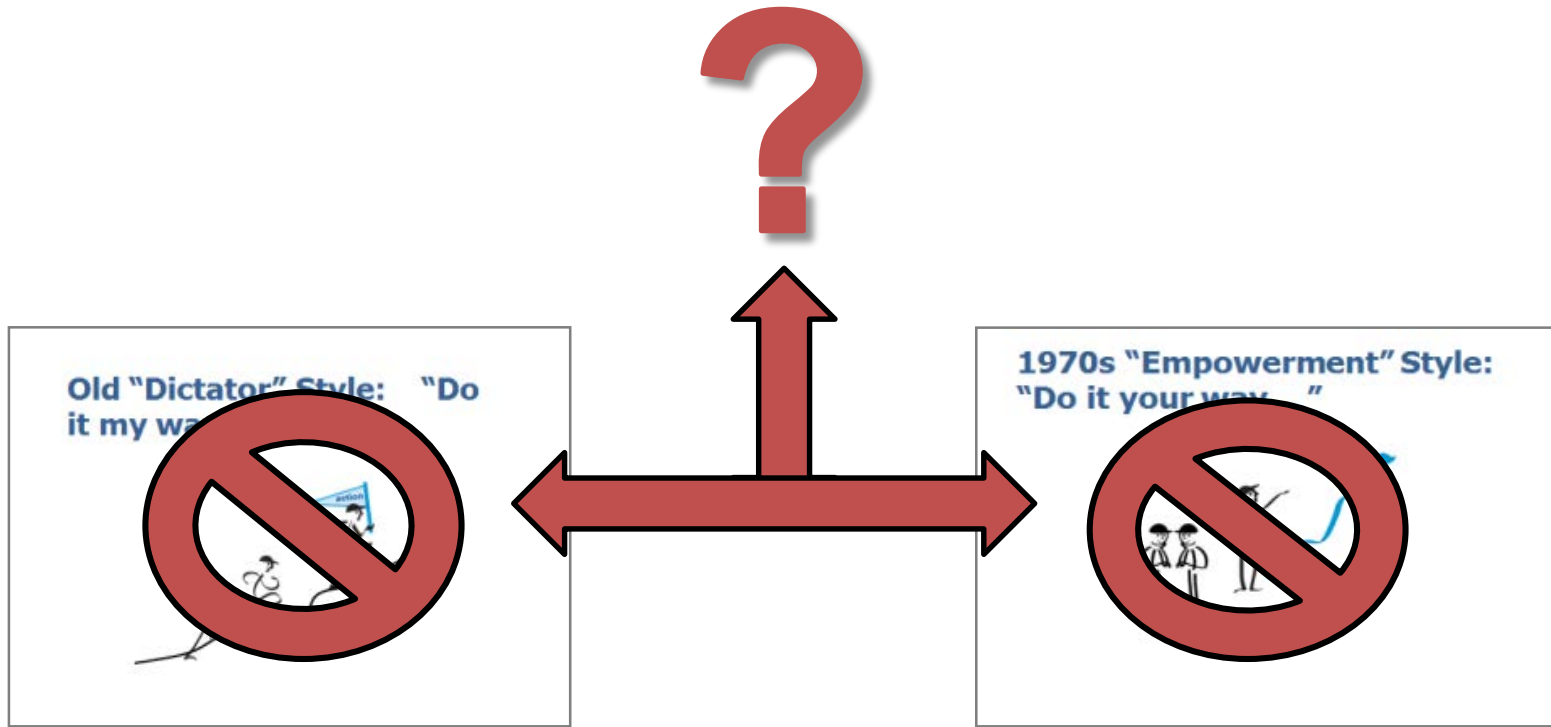
→ The intent is to assess your organization's capabilities, NOT to categorize each problem!



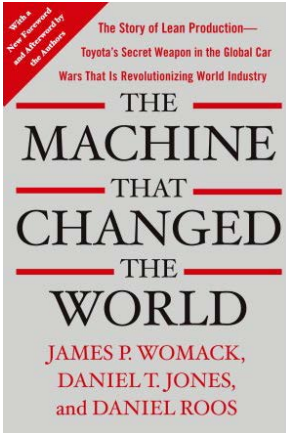
The Four Types of Problem Solving

→ Lean Leadership aims to develop capabilities to support all four types

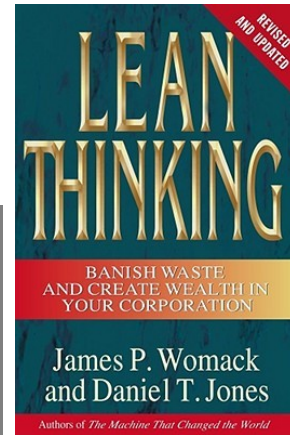




Lean Thinking & Practice



Make value flow from each step to the next with minimum effort, time and total use of resources through people exercising creativity to solve problems and continually improve their work



The Lean Transformation Framework

WHAT is our PURPOSE?

What situational problem do we need to address?



How to design,
do and
improve
the work?



How to
develop
capability?

What is our BASIC THINKING??

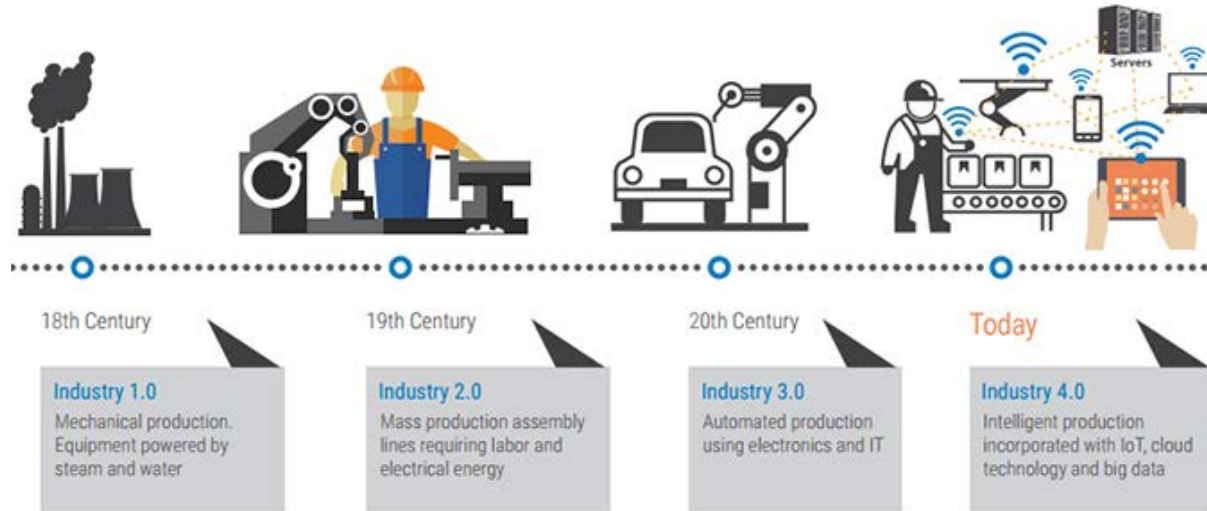


Lean Thinking as a Process of Endlessly Addressing a Set of Fundamental Questions

1. What is our *purpose*, what *value to create*, or what *problem* are we trying to solve?
2. How do we *design, do, and improve* the *actual work*?
3. How do we identify and *develop the capabilities* we need?
4. What *management system* and *leader behaviors* are required to support the new way of working?
5. What *basic thinking, mindset* or *assumptions* underlie this transformation?

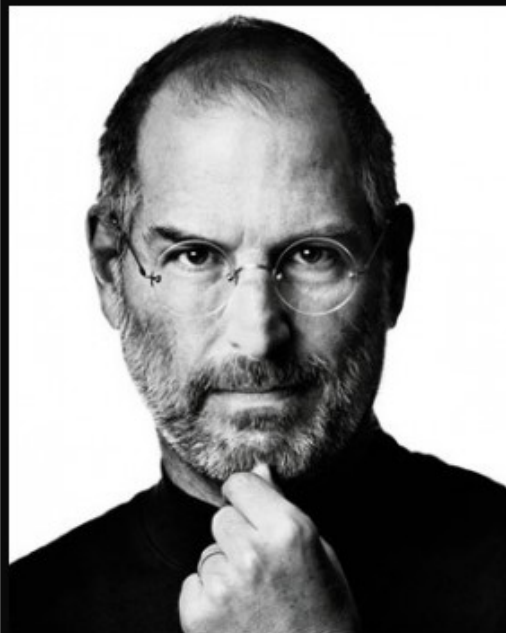
**What to do, why,
and how to do it**

Lean Leadership for Enterprise 4.0??



POLITECNICO
MILANO 1863

Innovation, Failure and Learning

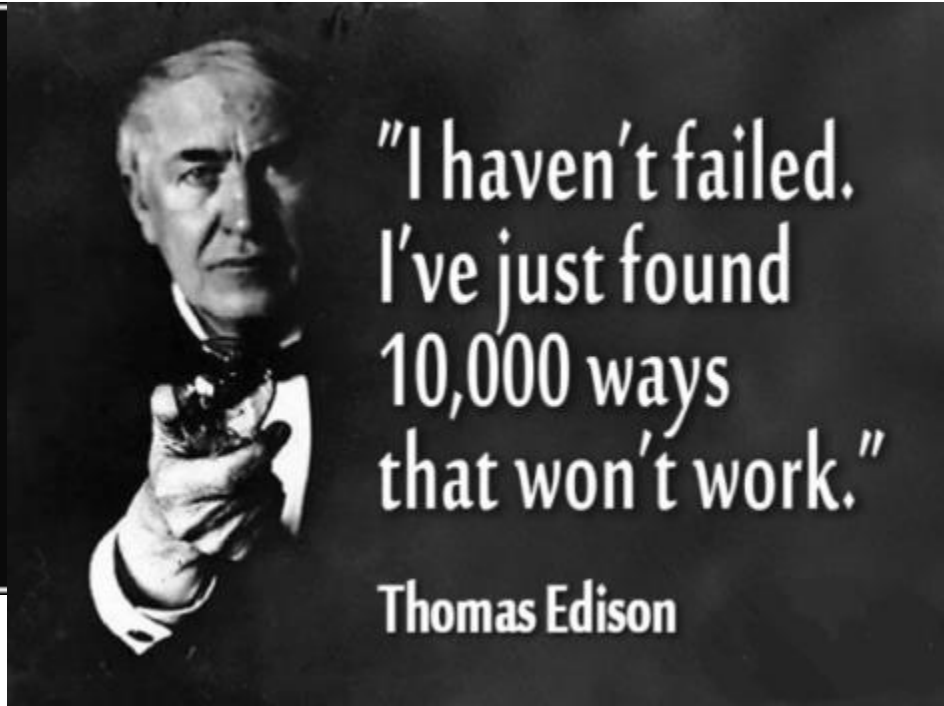
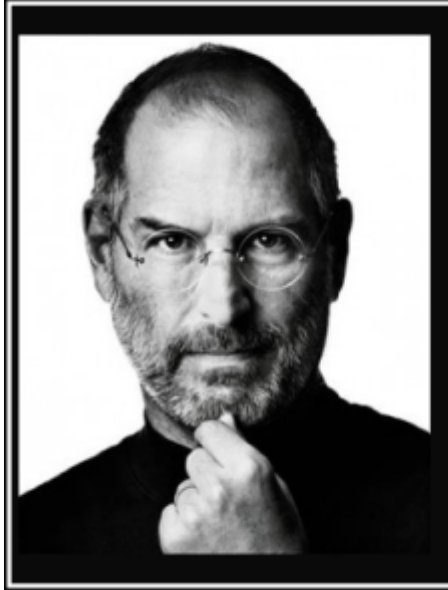


Sometimes when you innovate, you make mistakes. It is best to admit them quickly, and get on with improving your other innovations.

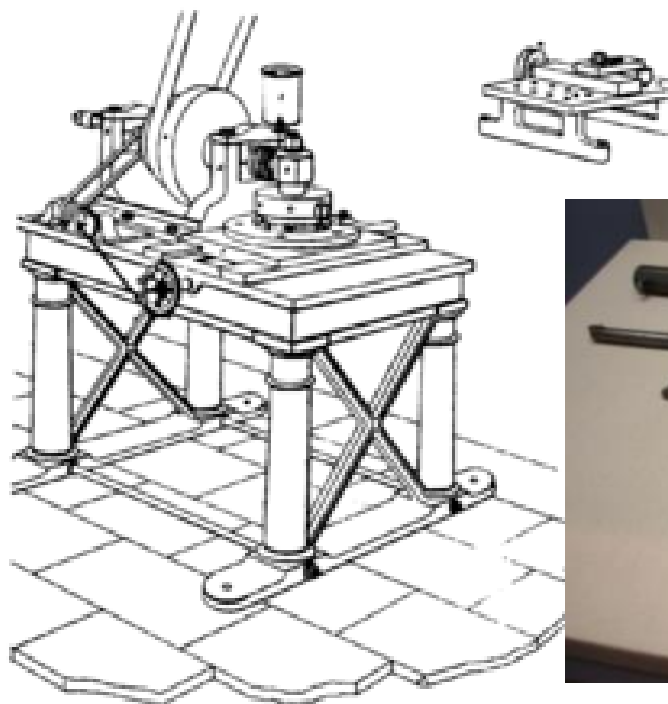
(Steve Jobs)

izquotes.com

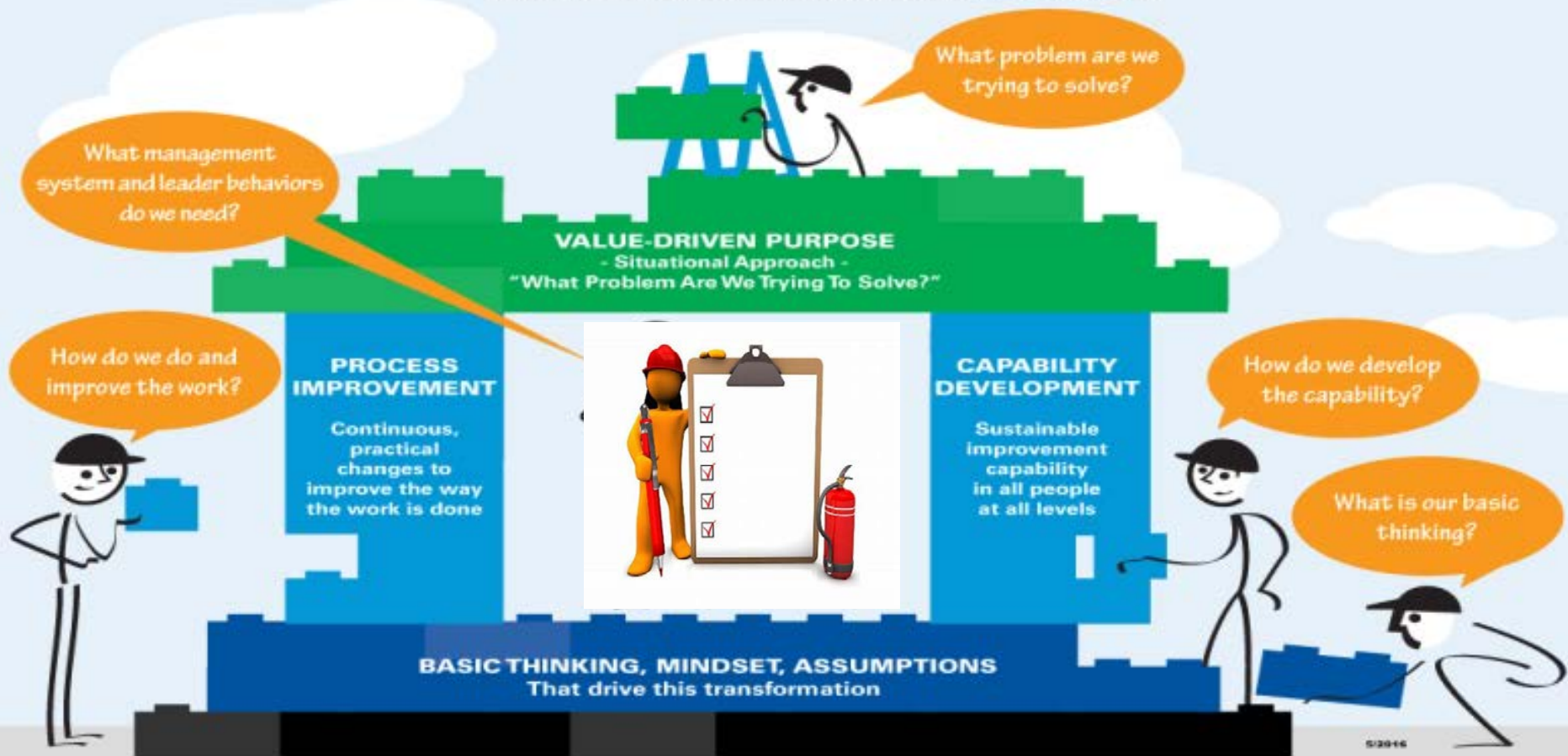
Innovation and Failure – Jobs and Edison







The Lean Transformation Framework

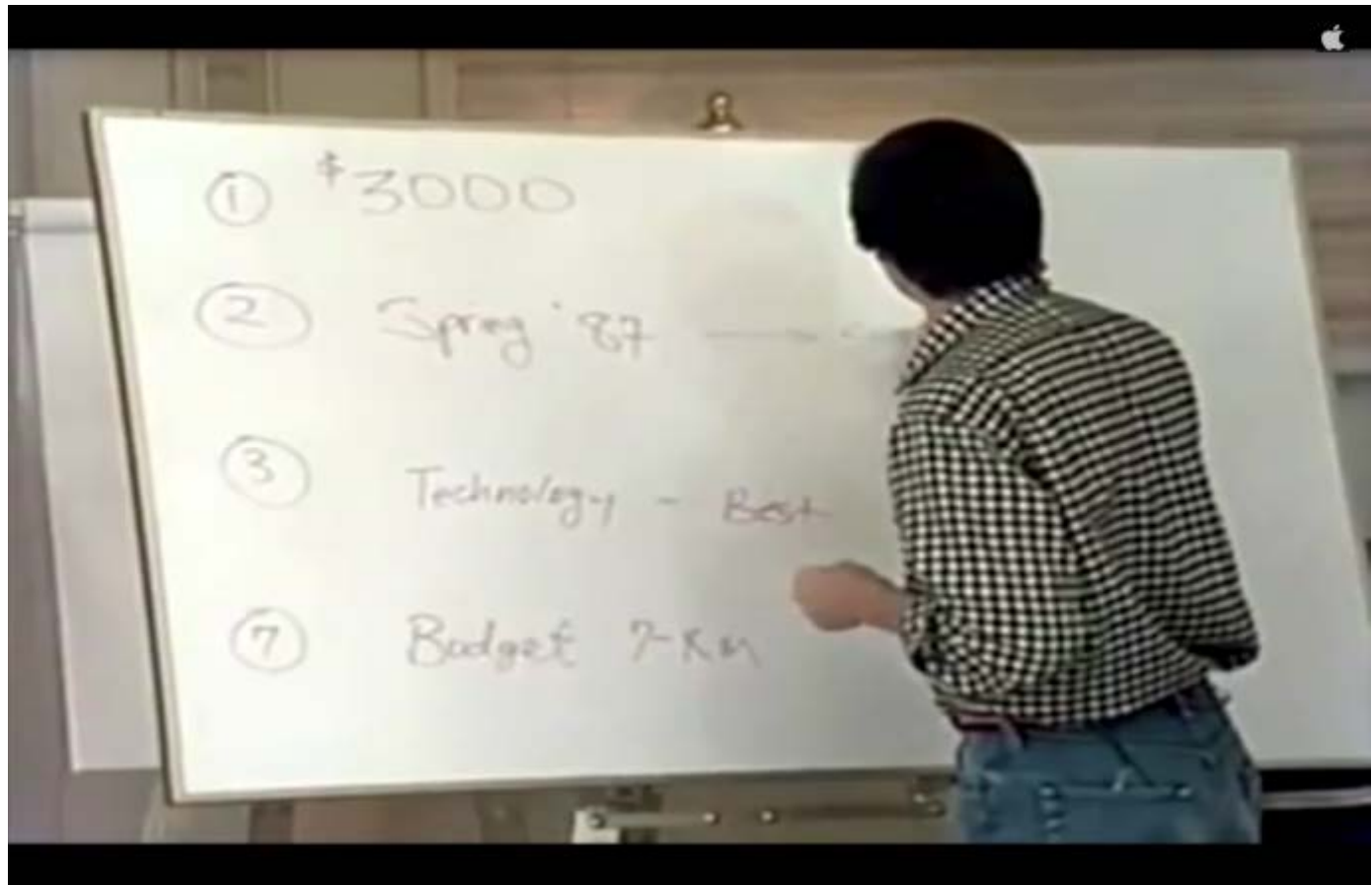




WHAT
IS
THE
PROBLEM?



WHAT
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WHAT
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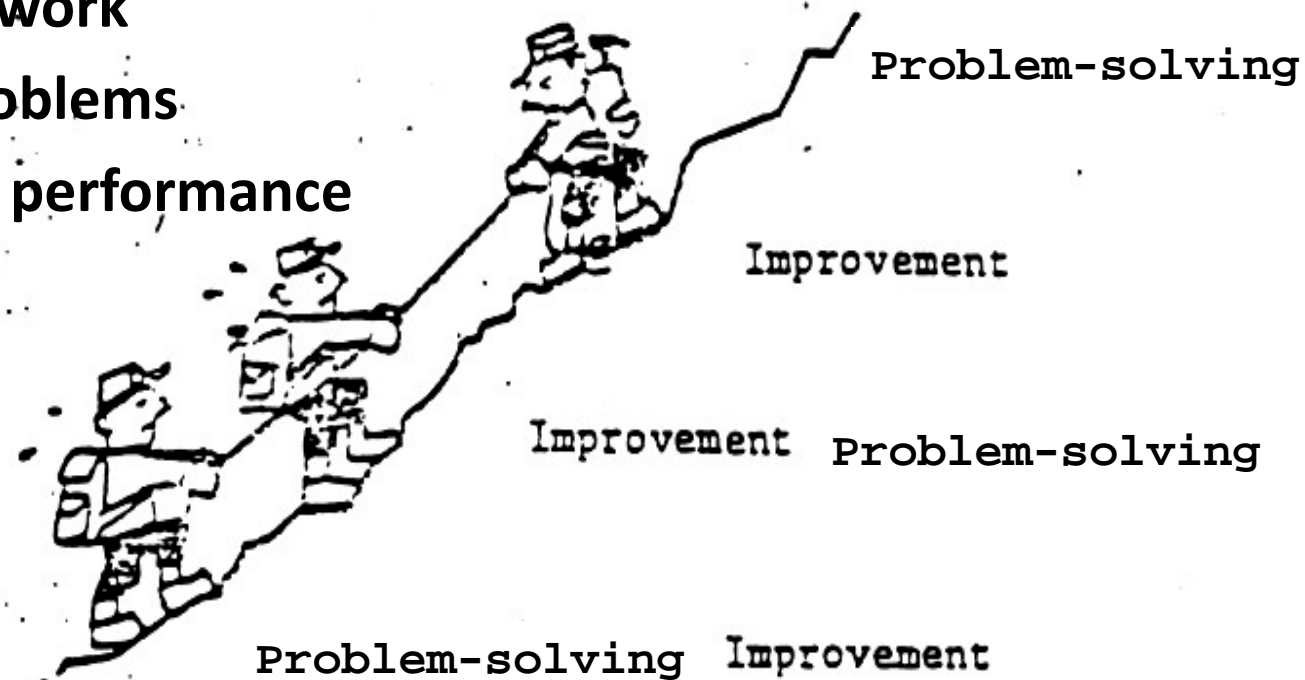


If “Firefighting” is a problem...



People Development – Manager as Coach

Develop Capability in
doing the work
solving problems
improving performance



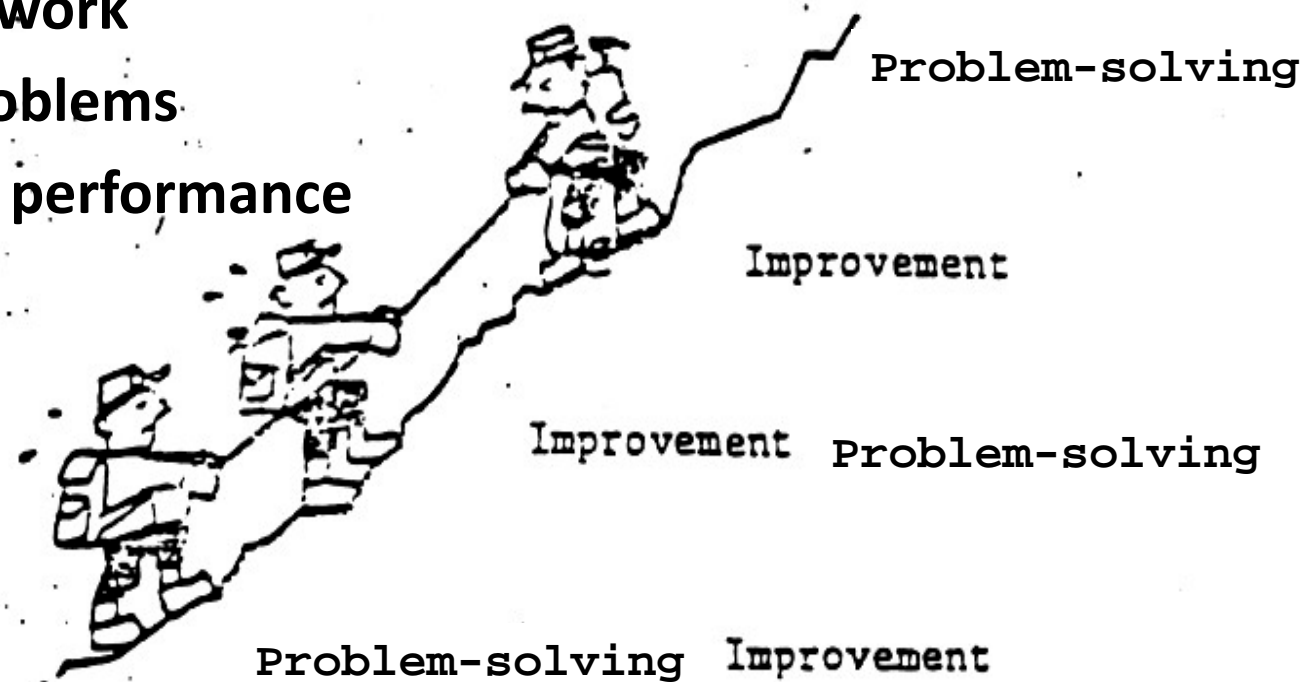
People Development – Manager as Coach

Develop Capability **through**

doing the work

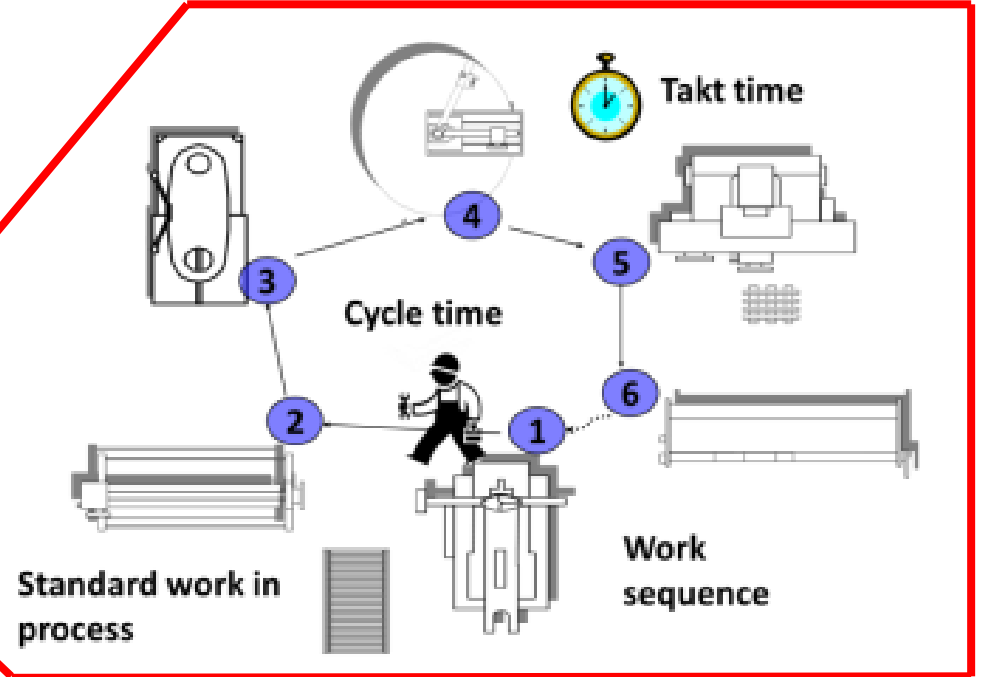
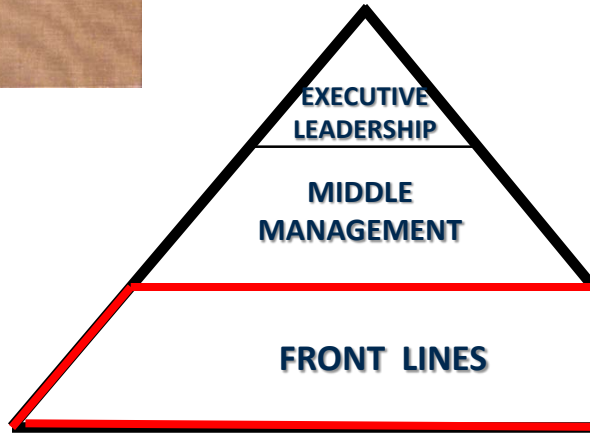
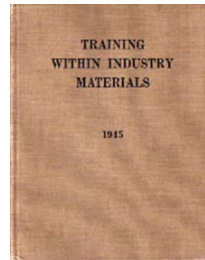
solving problems

improving performance



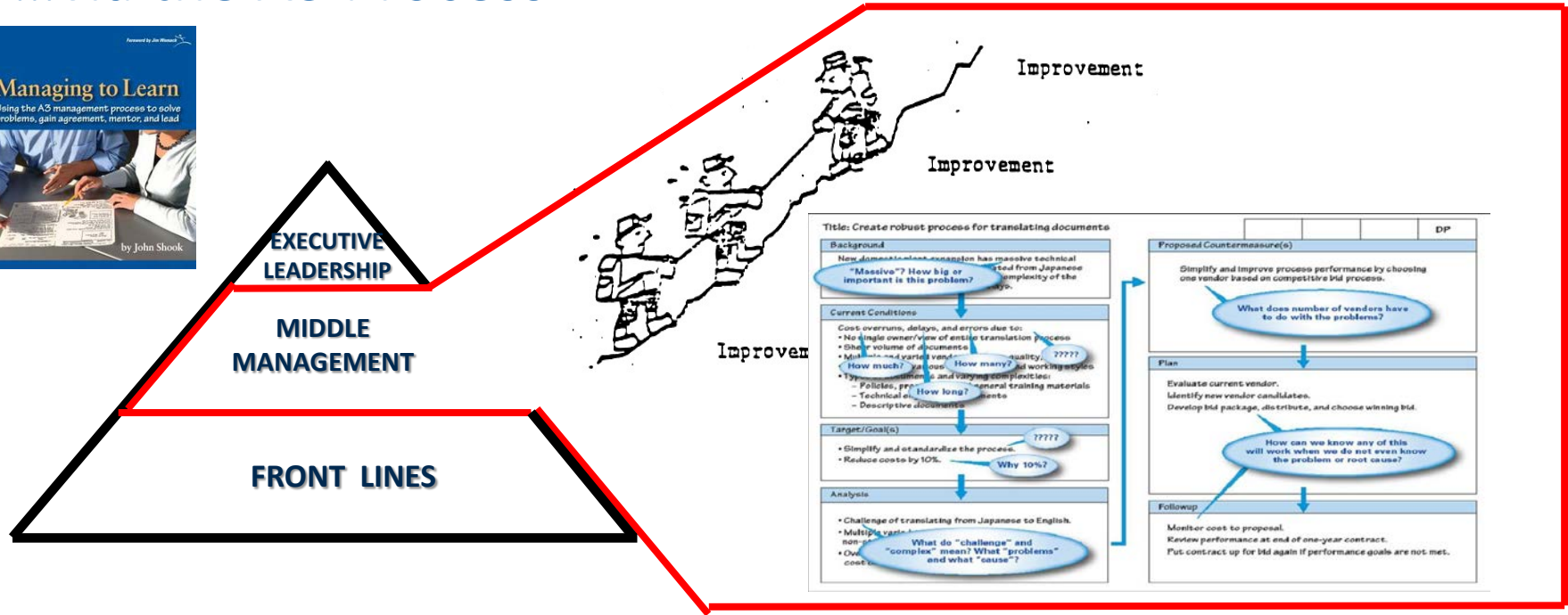
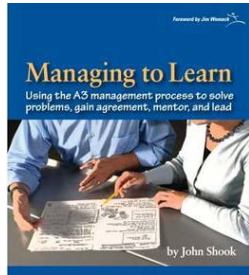
Value Creating Work

Design the *work experience*... Use lean PDCA tools:
Standardized Work, TWI, Kata...



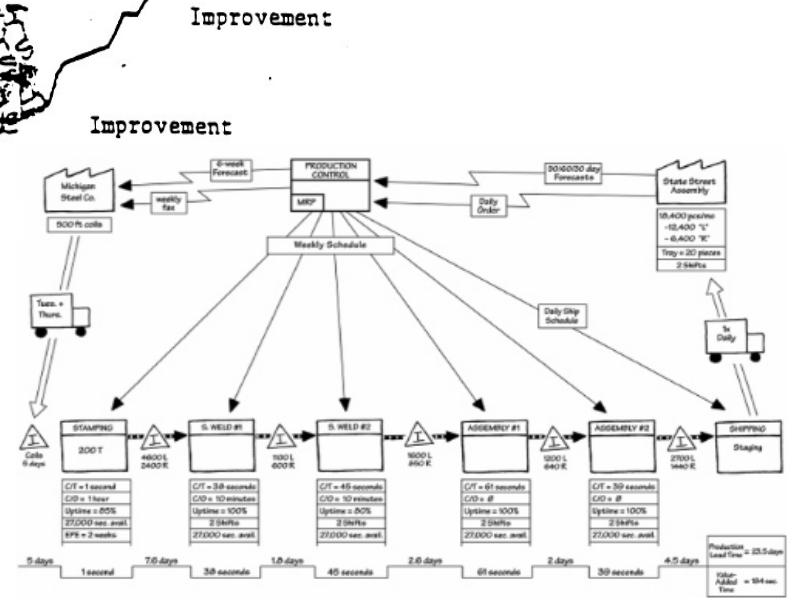
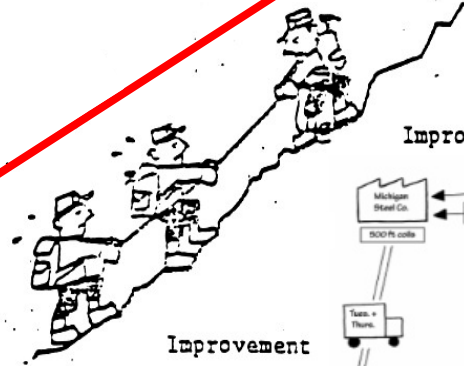
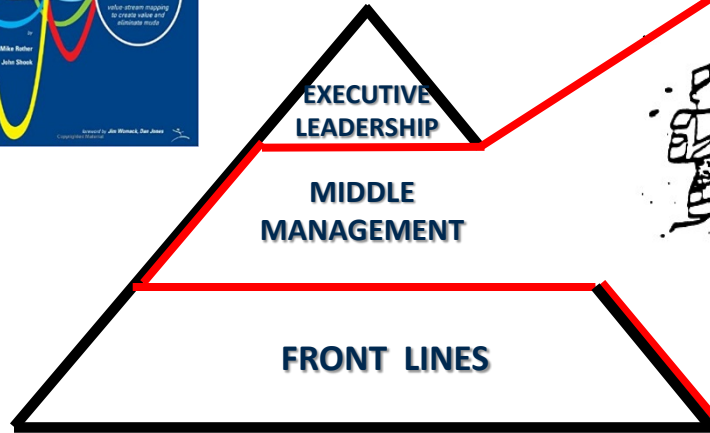
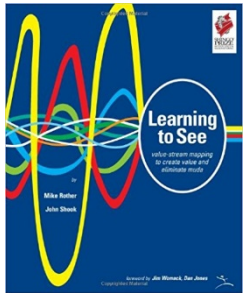
Middle Management

Develop capability to develop capability to improve
...via the A3 Process



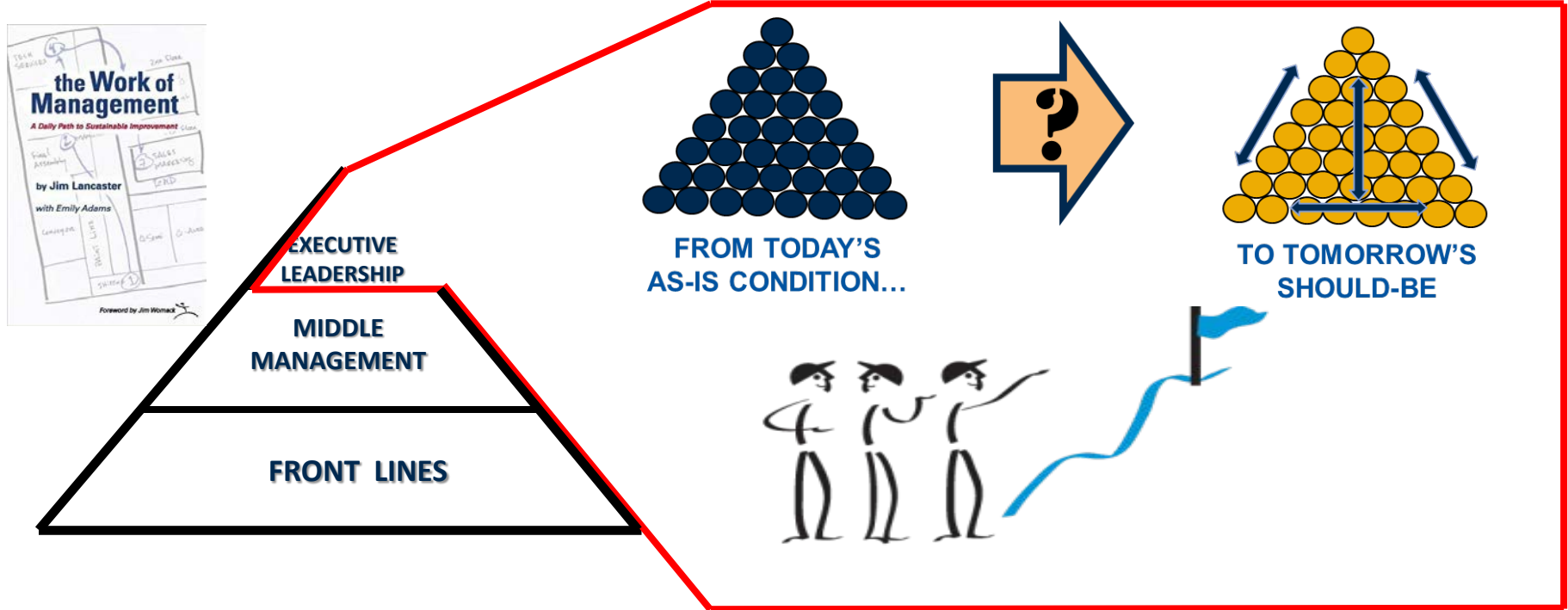
Middle Management

Develop capability to develop capability to improve
...via Value Stream Improvement



Senior Leadership

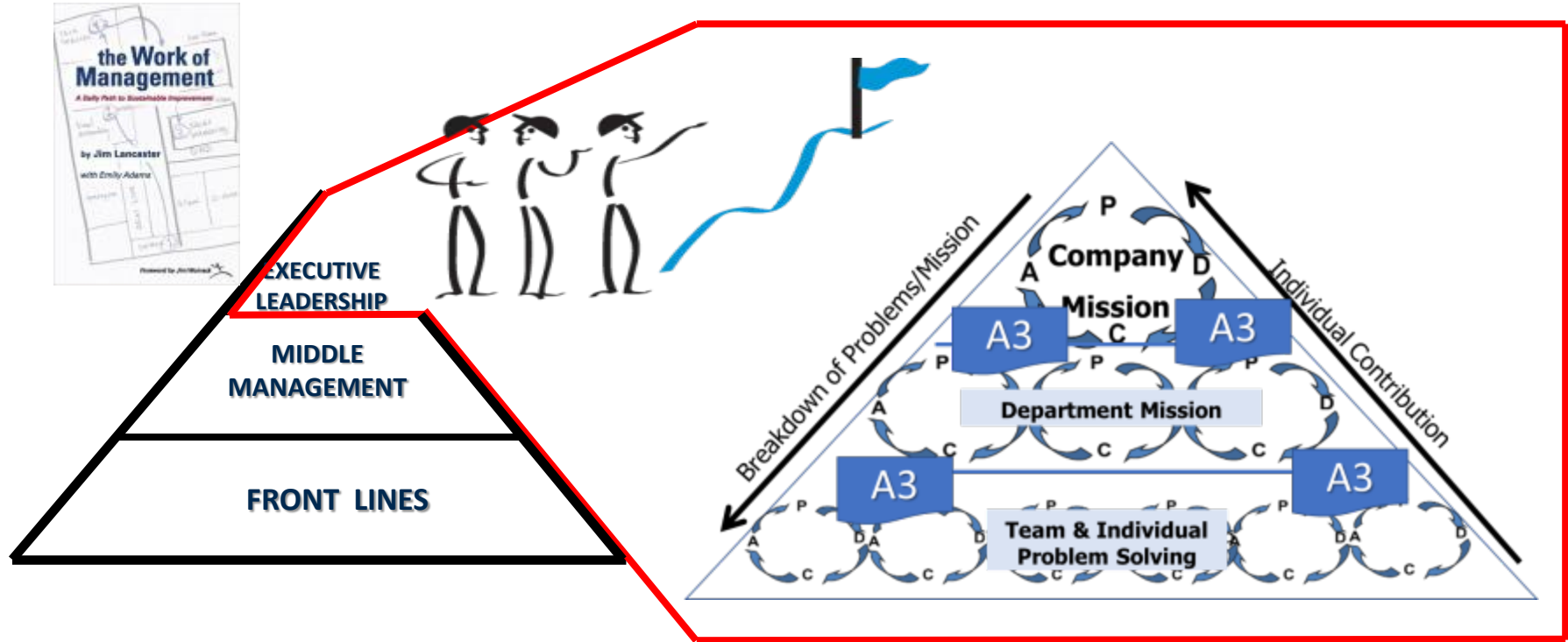
Take responsibility to develop total system capability



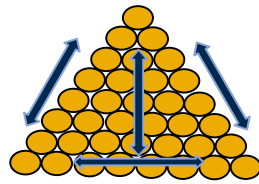
Senior Management



Take responsibility to develop total system capability



PDCA at Each Organizational Level



Macro System Level



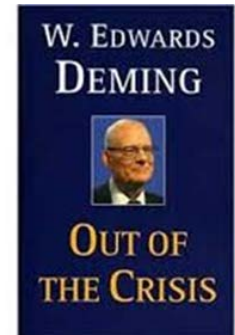
**Value Stream Level or
Factory, Hospital, Office, Department Level**



Level of Each Individual Job

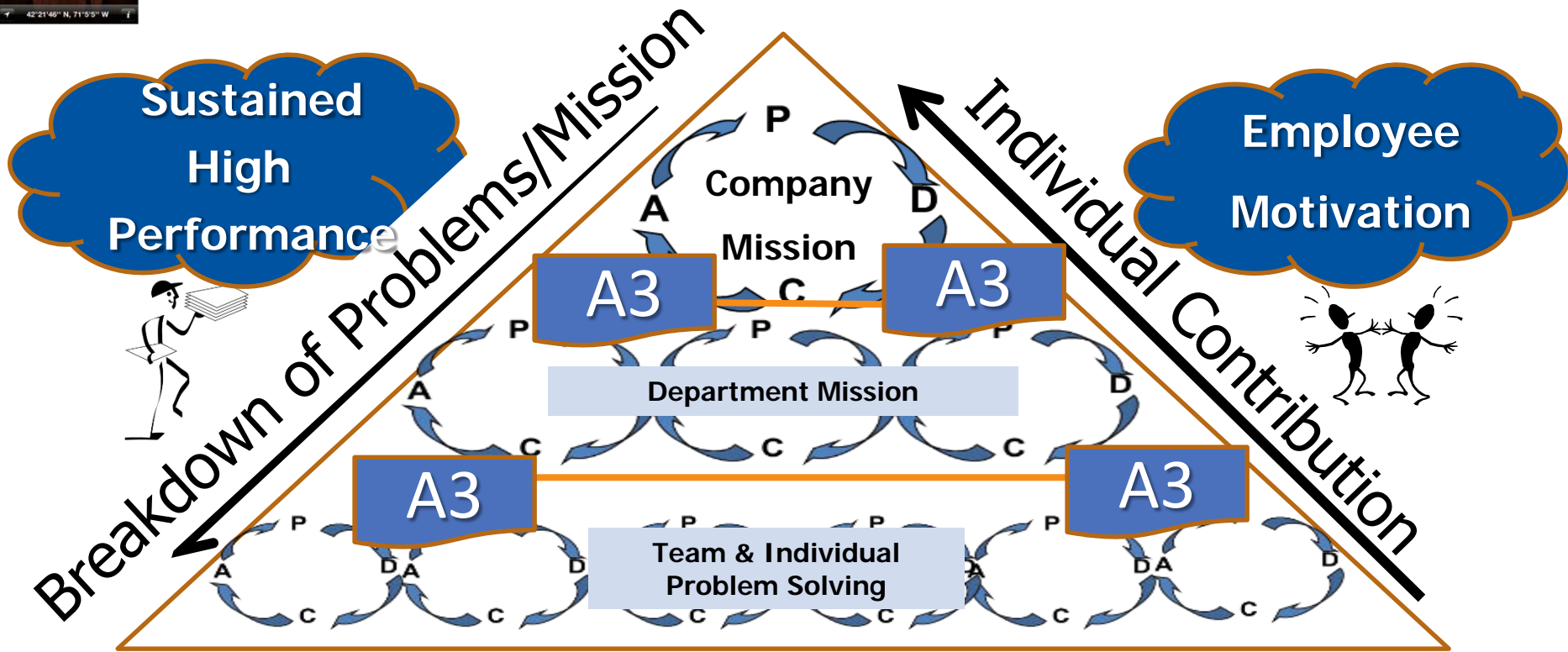
Plan-Do-Check-Act Cycle

From pDpD (try, fail, try, fail)
to PDCA cycle





Aligned Problem Solving at Each Organizational Level

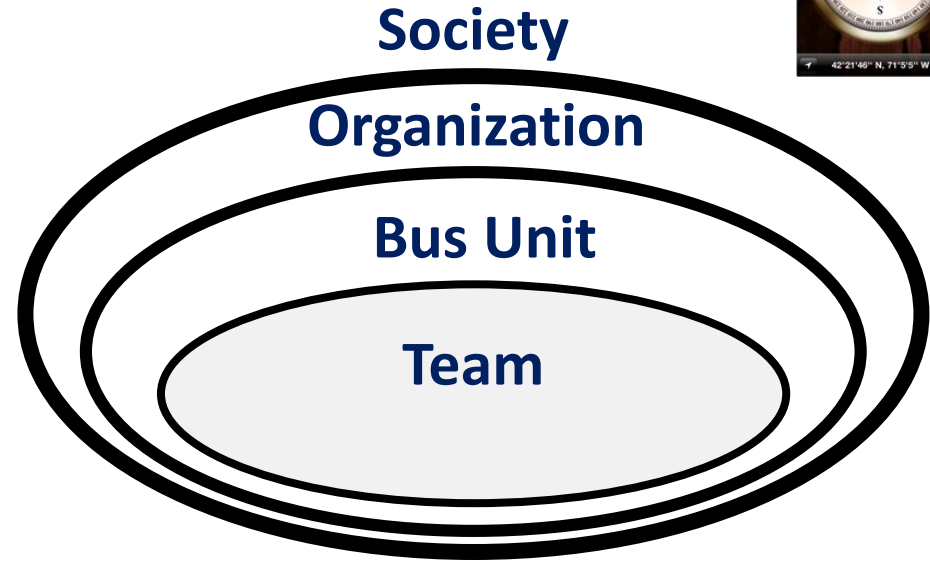


Create Line of Sight From *Purpose* to *Each Person*



Connect Work to Purpose and Performance

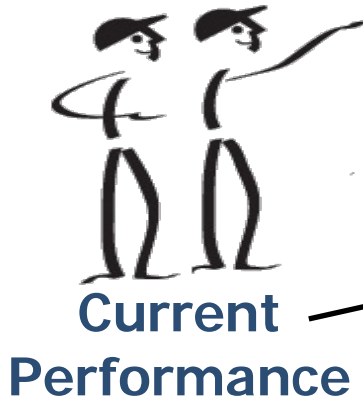
Understand what makes each job value creating for the organization and customer—how does it relate to the purpose and key performance indicators?



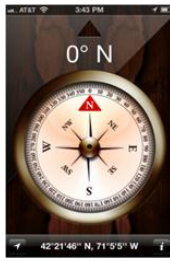
True North

What it is:

- Words or pictures that express the direction
- With clarity and ideally emotional impact
- A target condition with indicators



- Derives from deep Grasping of the Situation: Purpose, Mission, Vision, Value
- A contract based on deep agreement
- Pulls people to action



Ackoff on Problem Solving



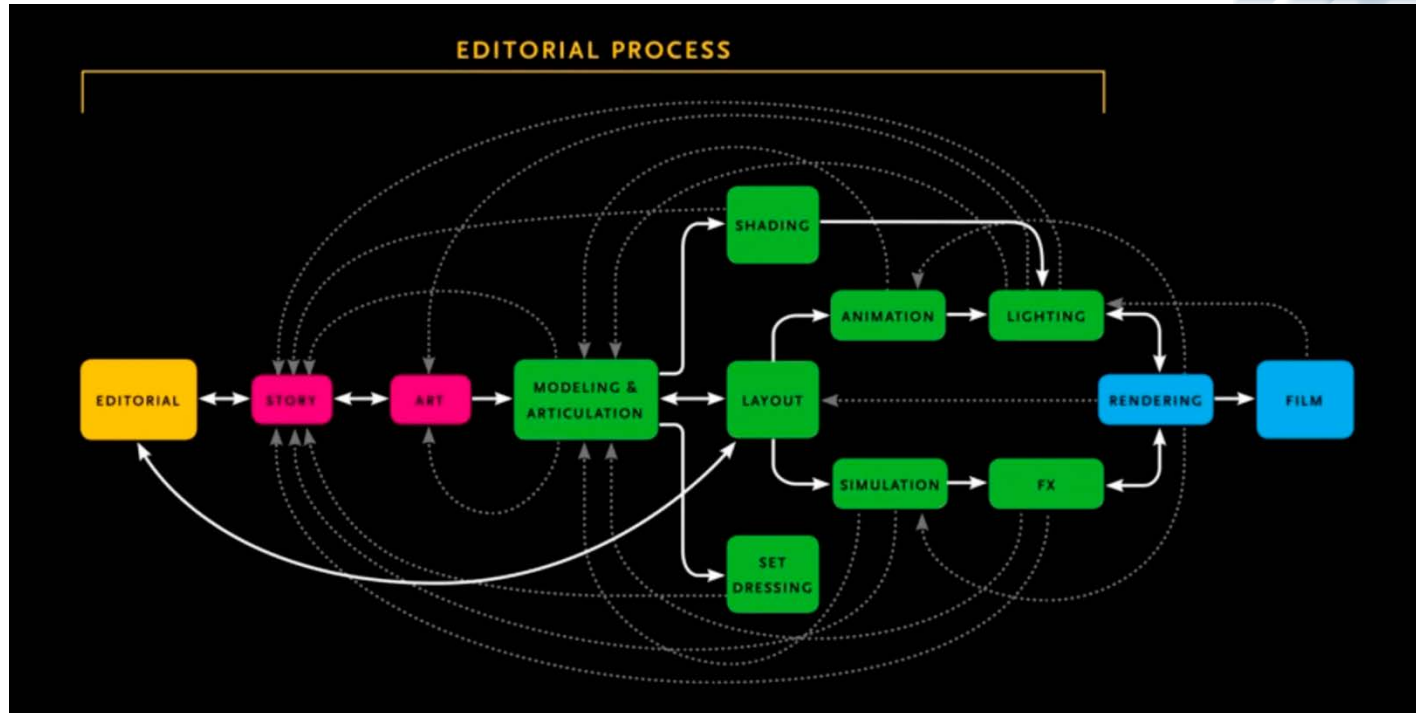
“Managers are not confronted with problems that are independent of each other, but with dynamic situations that consists of complex systems of changing problems that interact with each other. I call such situations messes.

Managers do not solve problems, they manage messes. (They need the skill of designing a desirable future and inventing ways of bringing it about.”
(1979)



Russell Ackoff

Pixar Process Mess



Creating the *Conditions for Innovation*

“Conventional leadership theories stress the importance of creating a vision and inspiring others to execute it. But leading a creative organization is less about directing people than creating an environment where members explore for themselves and collectively to discover ways forward.”

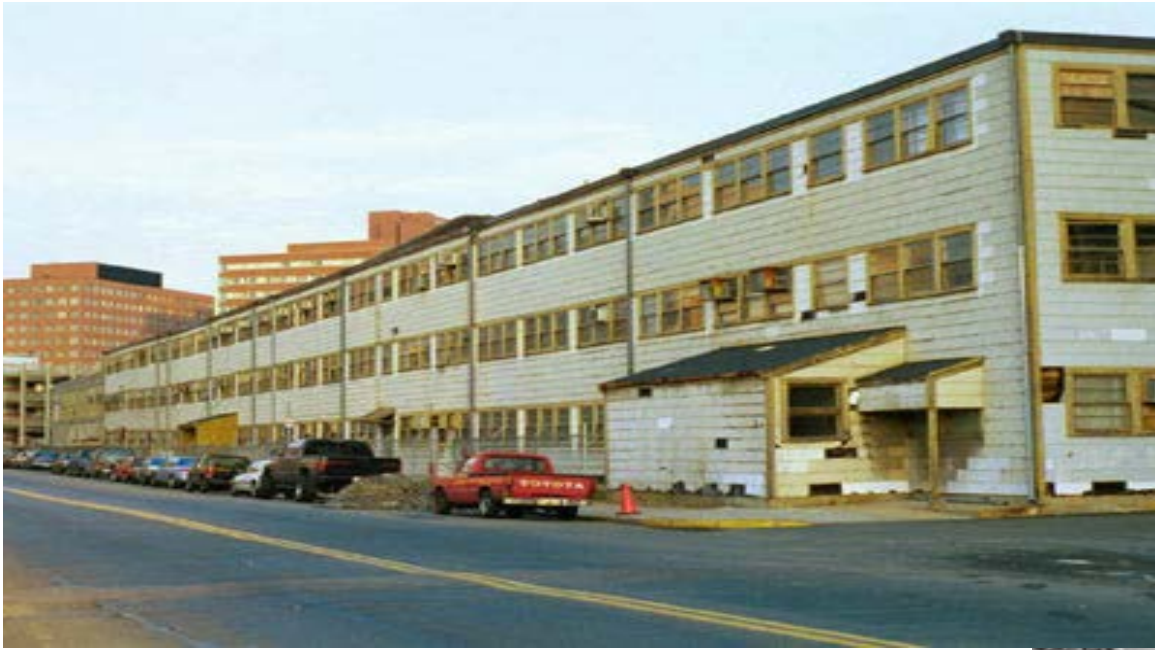
Collective Genius

Prof Linda Hill

Harvard Leadership Initiative



The Conditions for Innovation: MIT Building 20



Temporary Building 1942–1998
MIT's Magic Incubator



MIT's Magical Incubator

An eclectic group of departments and researchers including the Research Laboratory of Electronics, the Laboratory for Nuclear Science, the Linguistics Department, the particle accelerator project, and many more. People who knew little about each other, thrust together within the walls of an awful building.

- “And yet, by the time it was finally demolished, in 1998, Building 20 had become a legend of innovation, widely regarded as one of the most creative spaces in the world” (Jonah Leherer).
- Over its forty years, the building had amassed an almost unbelievable track record of breakthroughs. It saw, for example, the first video game, the first advances in physics behind microwaves, major developments in high-speed photography, the creation of the Bose Corporation, modern computer hacking, etc.

Why? The structure forced all different types of scientists and thinkers to interact. The building was “temporary” and humble gave everyone permission to do what they w

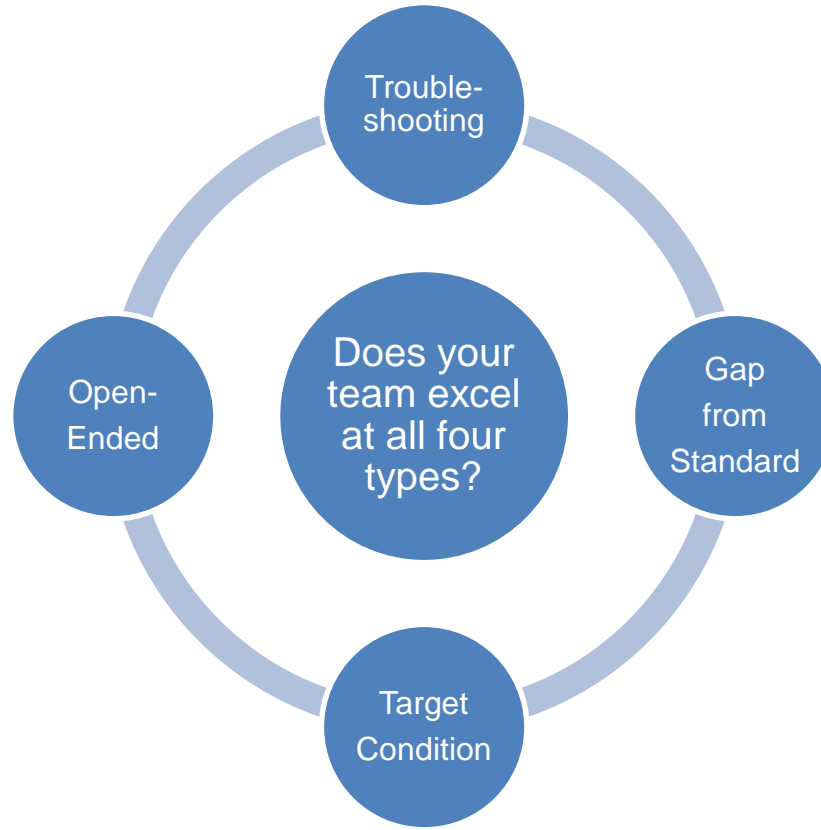


MIT Building 20 Versus MIT Media Lab



The Four Types of Problem Solving

→ Lean Leadership aims to develop capabilities to support all four types



Lean Style:

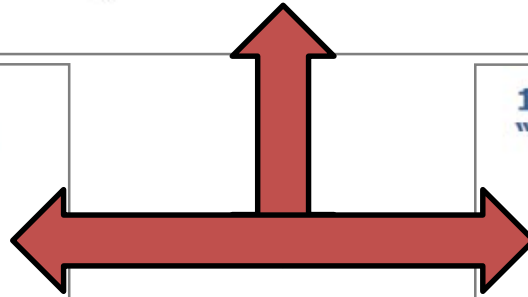
"Lead as if you have no power"



Old "Dictator" Style: "Do it my way"



1970s "Empowerment" Style: "Do it your way"

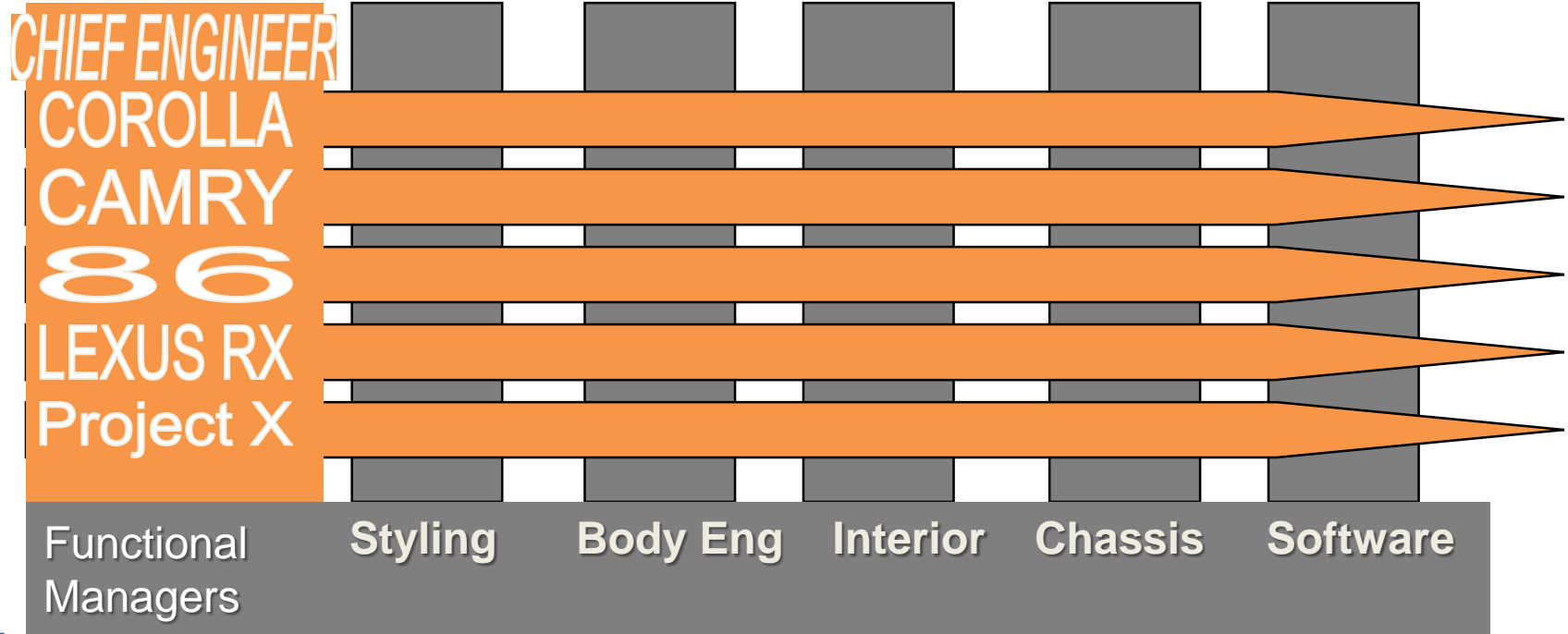


Lean Management

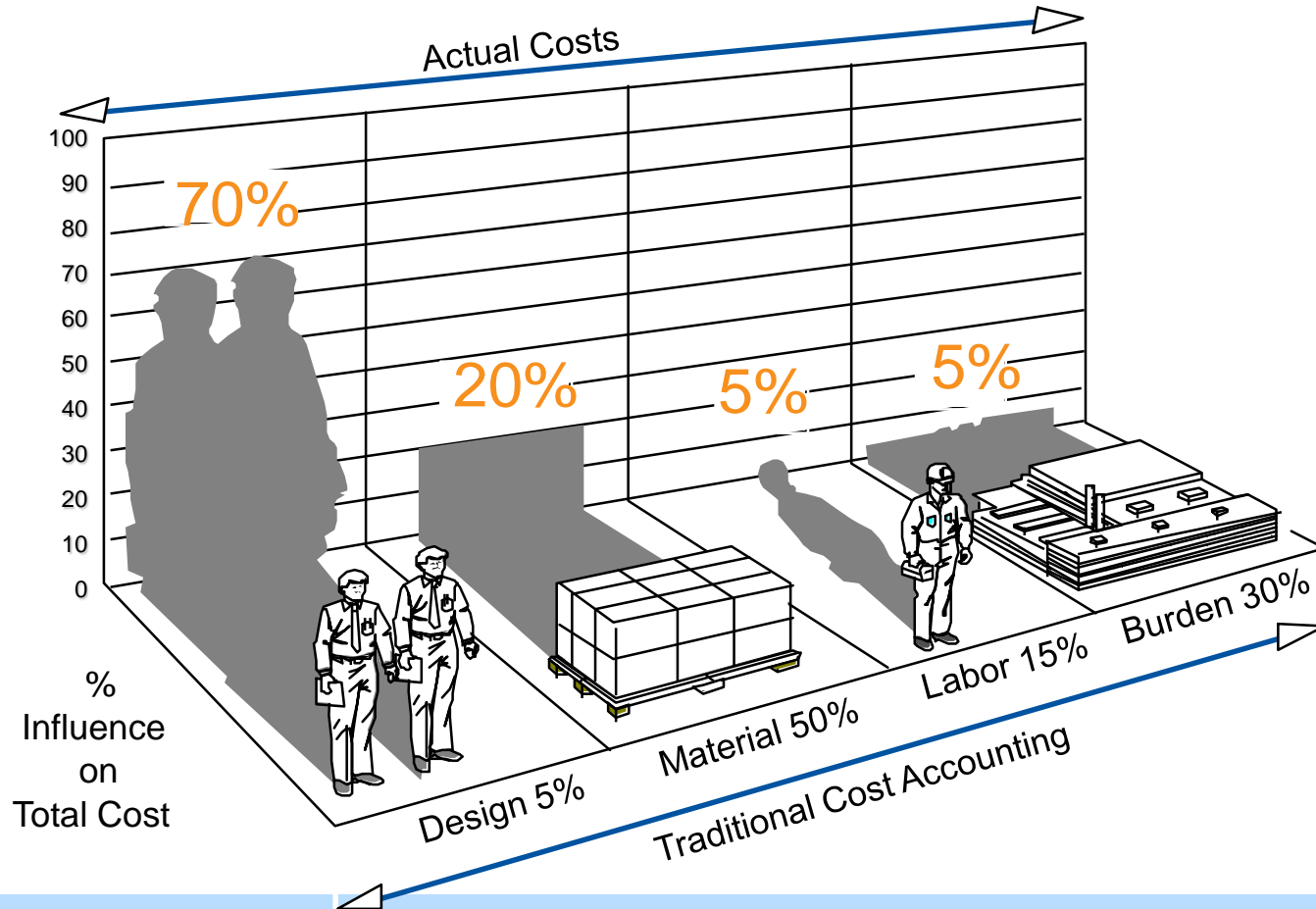
Responsibility ≠ Authority

- Not “bottom-up” or “top-down”.
- Processes well-defined and responsibility clear.
- From debate about *decision rights* (authority) to dialogue around the *right decision*.

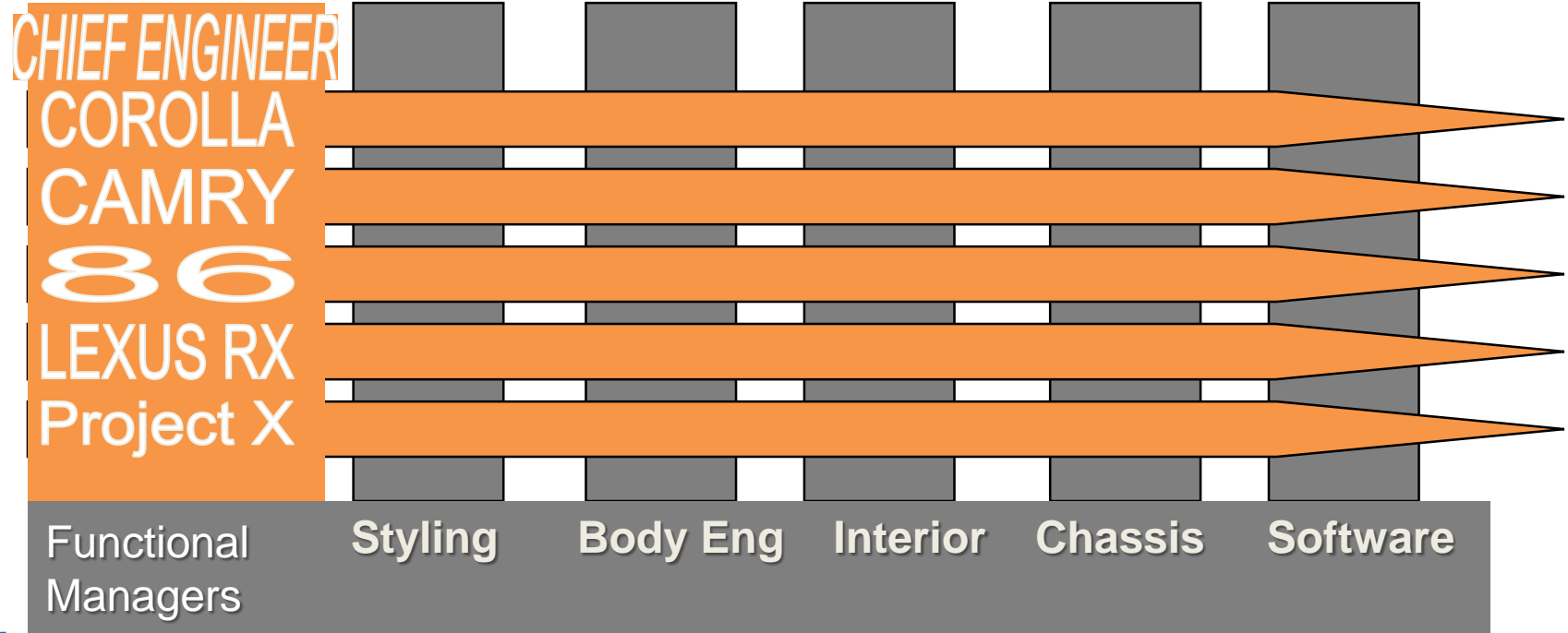
Action and Responsibility to Lead Without Power of Position



Lean Thinking for Total System Architecture



Responsibility to ensure both doing & learning: Chief Engineer as Chief Learning Architect



Innovation and Ownership, Responsibility and Authority

Getting people to innovate means getting them to think and take ownership.

How do you get people to think and take ownership?

- **What discourages people from thinking and taking ownership?**

Important News

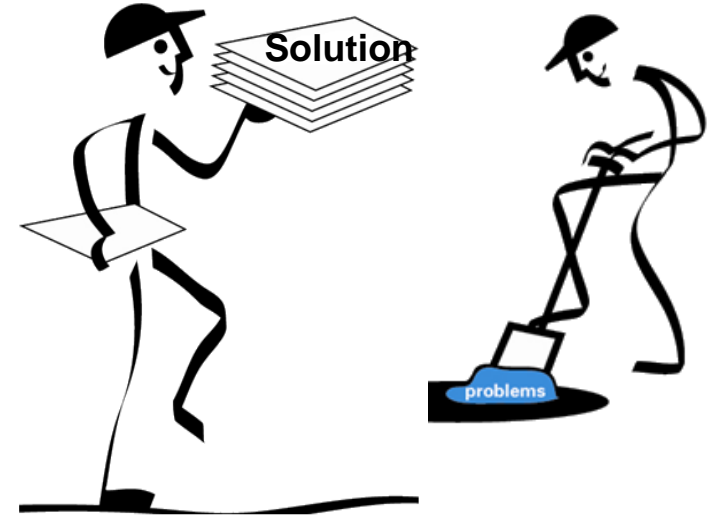
It's not just a matter of turning people loose.

- **And expecting or hoping that their natural goodness of creativity will emerge to carry forward your dreams.**

Nor is it a matter of ordering people to do your bidding.

Innovation and Ownership, Responsibility and Authority

- **In my five years in Toyota City, almost never was I given solutions.**
- **Yet, I was not free to just do what I wanted.**
- **I was given clear responsibility to propose solutions to problems I owned.**



What happens when we tell people what to do?

- 1. We deprive them of the opportunity to think.**
- 2. We take away responsibility/ownership.**
- 3. They might do it (and you might be wrong!).**

The Lean Leader's Challenge

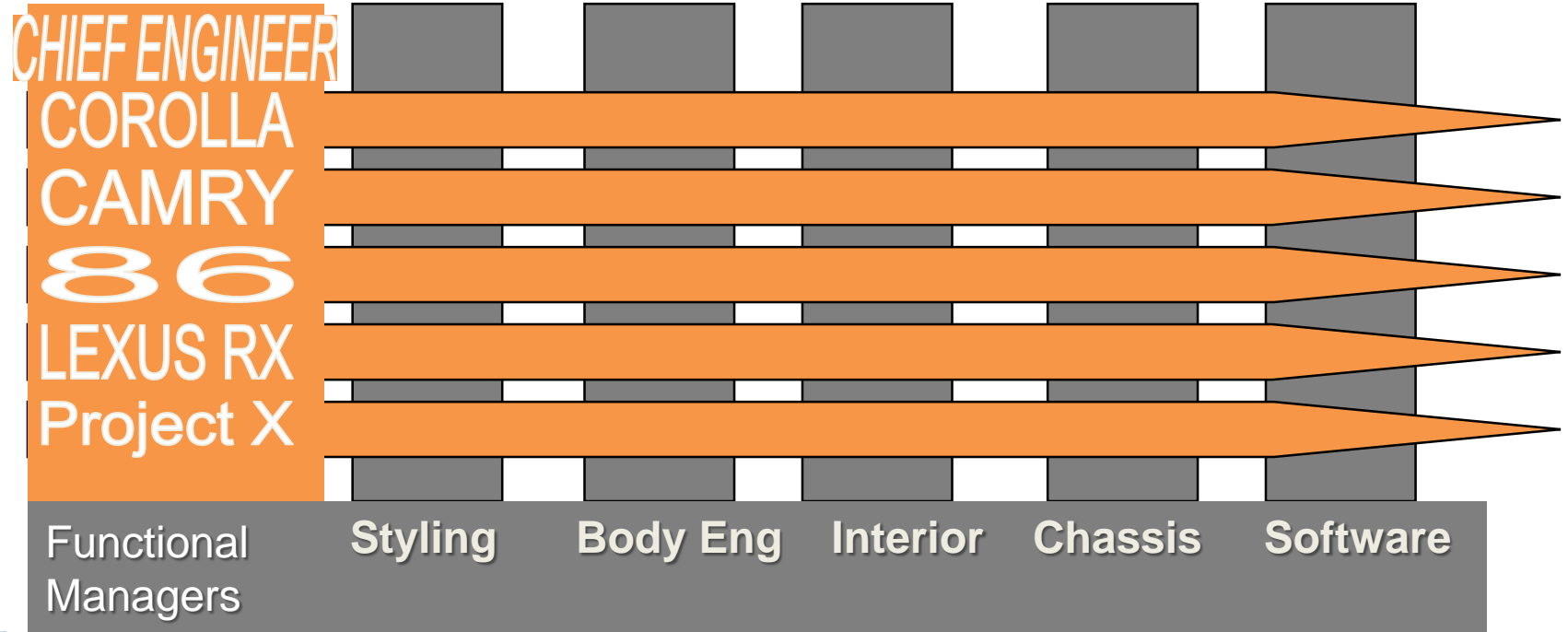
- **Make objectives, outcomes, assignments clear enough that they can approach the task with confidence.**
- **Yet, open enough that responsibility is not taken away.**
- **So they have clear responsibility to propose solutions with a sense of entrepreneurial ownership.**
- **→ Clear direction with full ownership**

Lean Management

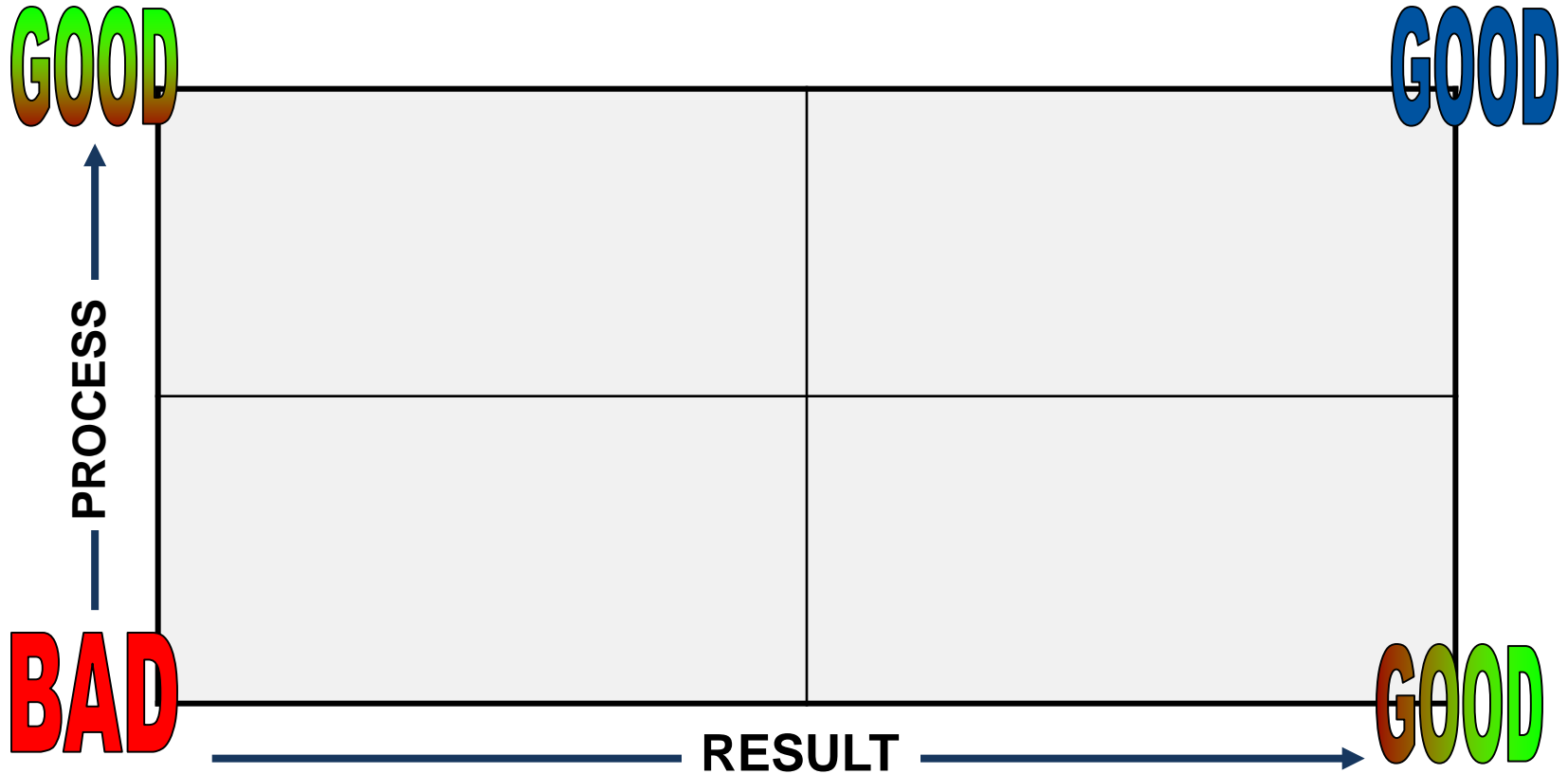
Controlled Direction with Adaptive Flexibility

- **This way of managing provides extraordinary focus, direction, “control.”**
- **While at the same time providing maximum agility.**
- **This way of working can resolve the age-old dilemma that encumbers all large organizations: control vs. flexibility.**

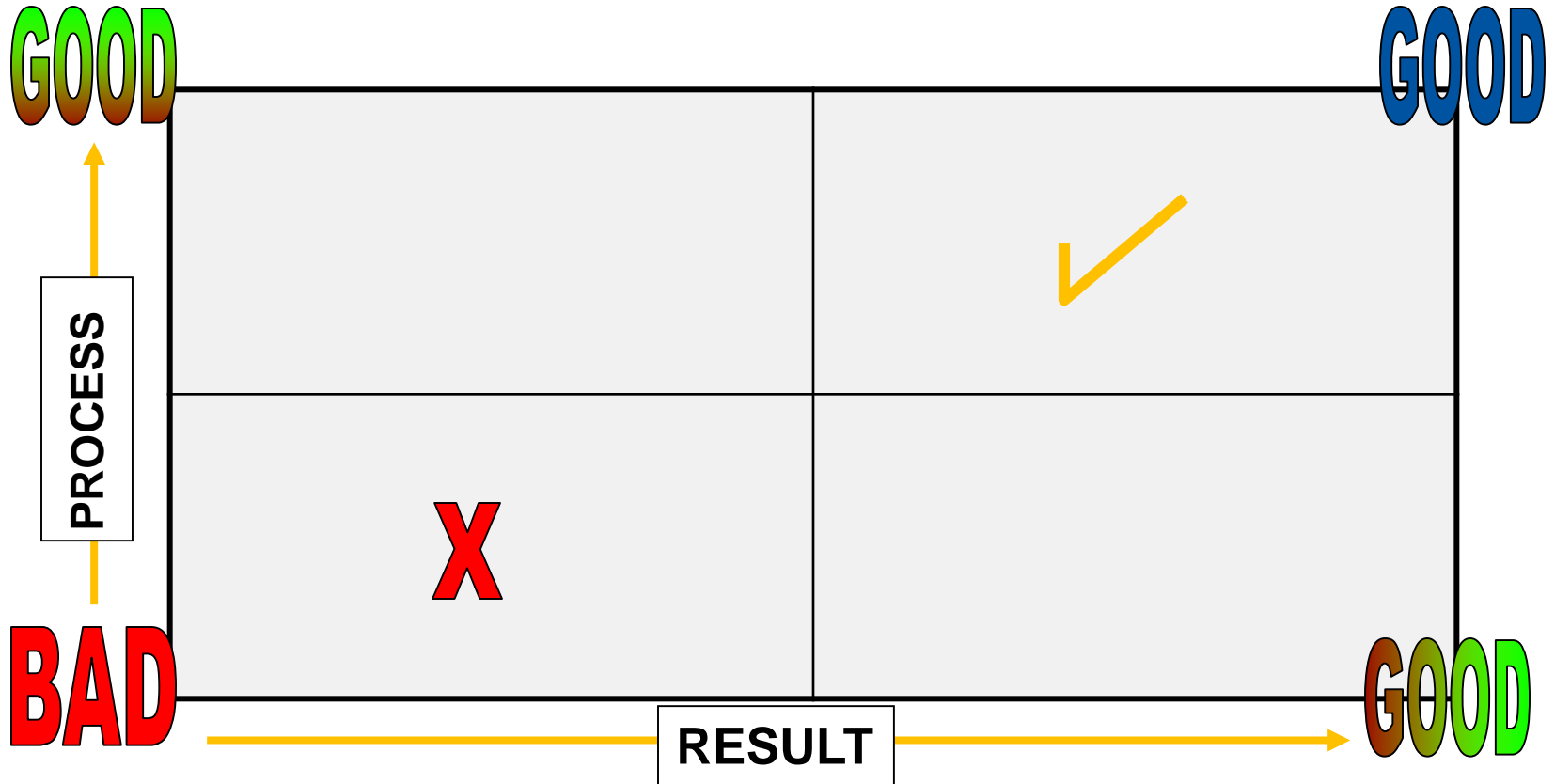
Each Leader as Chief Learning Architect of His or Her Own Area of Responsibility



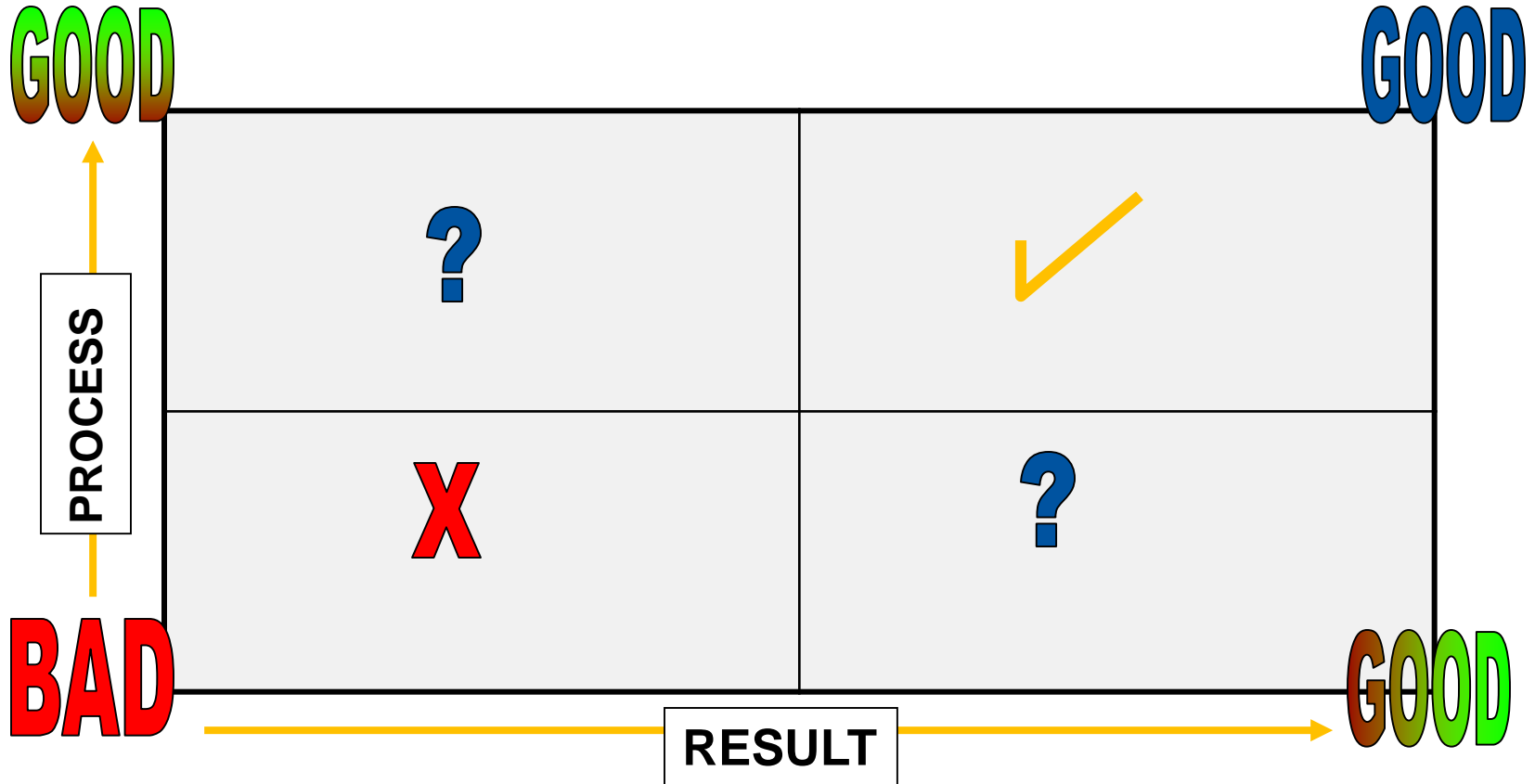
Result and Process



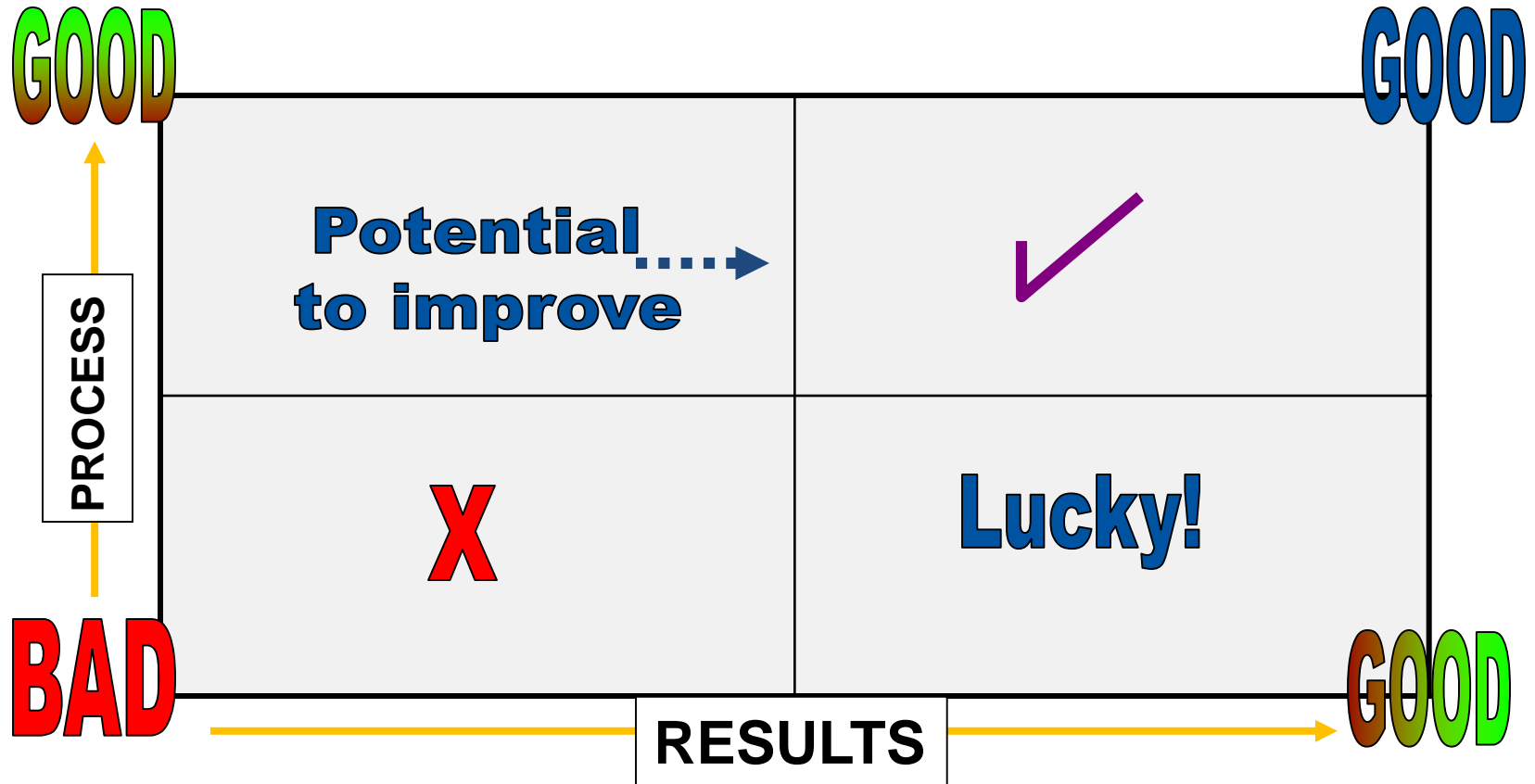
Result and Process



Result and Process



Results and Process



Lean Thinking as Question Thinking

Types of questions, to be used in sequence:

☐ ***What***

- Grasp the Situation – What is happening?

☐ ***Why***

- Diagnostic – Why is it happening?

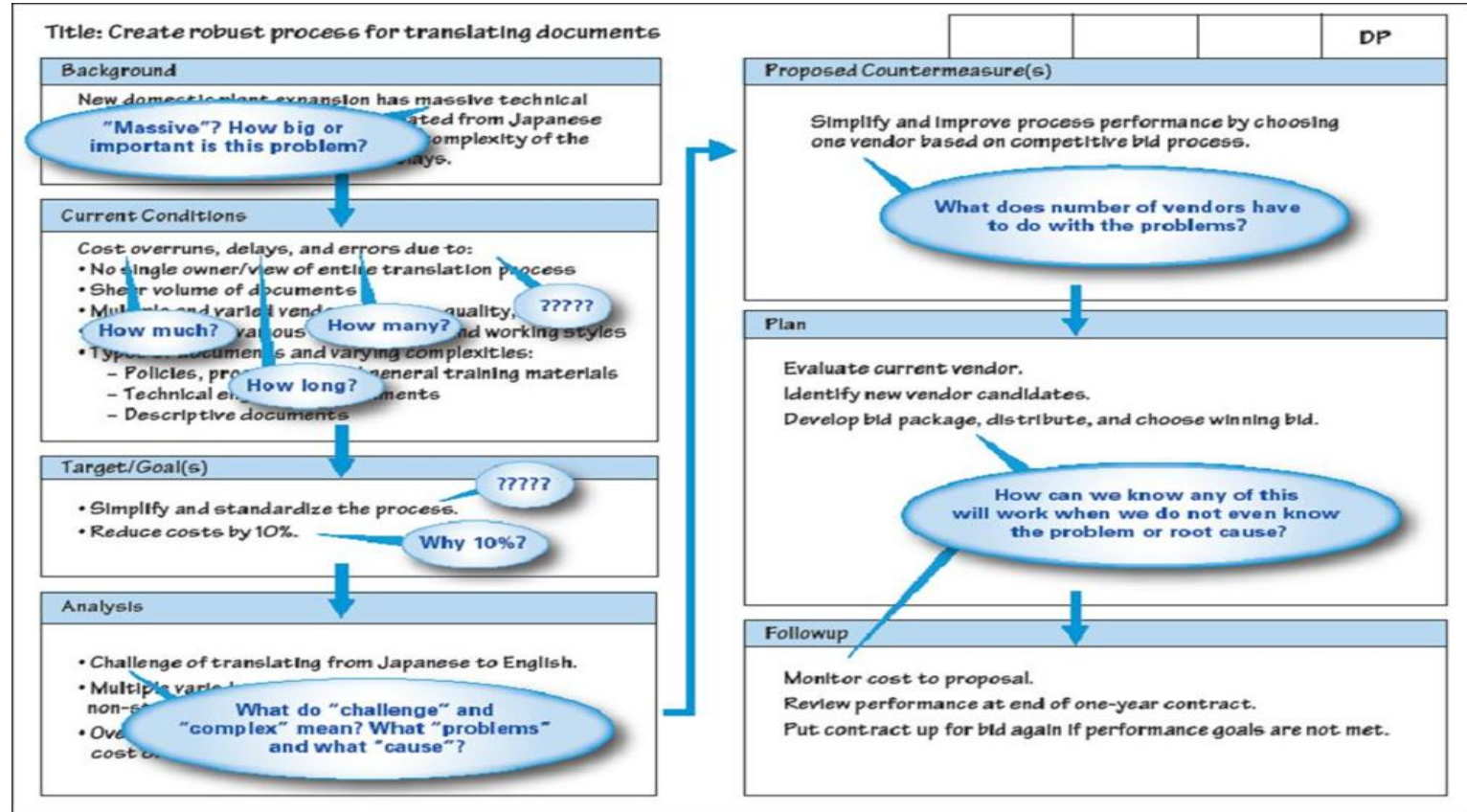
☐ ***What if...?***

- Prompting – What would happen if we tried...?

☐ ***Why not...?***

- Advocacy – Why not be bold?!

The A3 Process to Aid in Asking Better Questions



Same Questions, Different Sequence...

- Group#1
 - How happy are you these days?
 - How many dates did you have last month?
 - Group#2
 - How many dates did you have last month?
 - How happy are you these days?
-

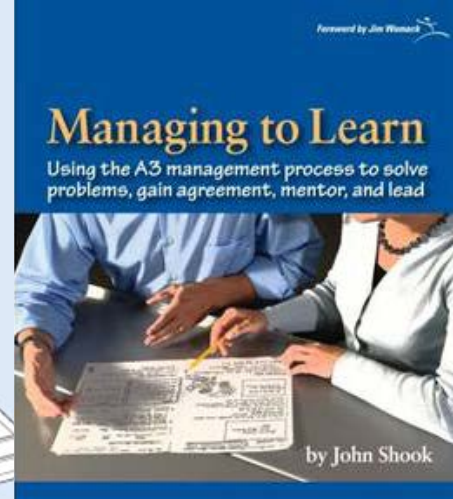
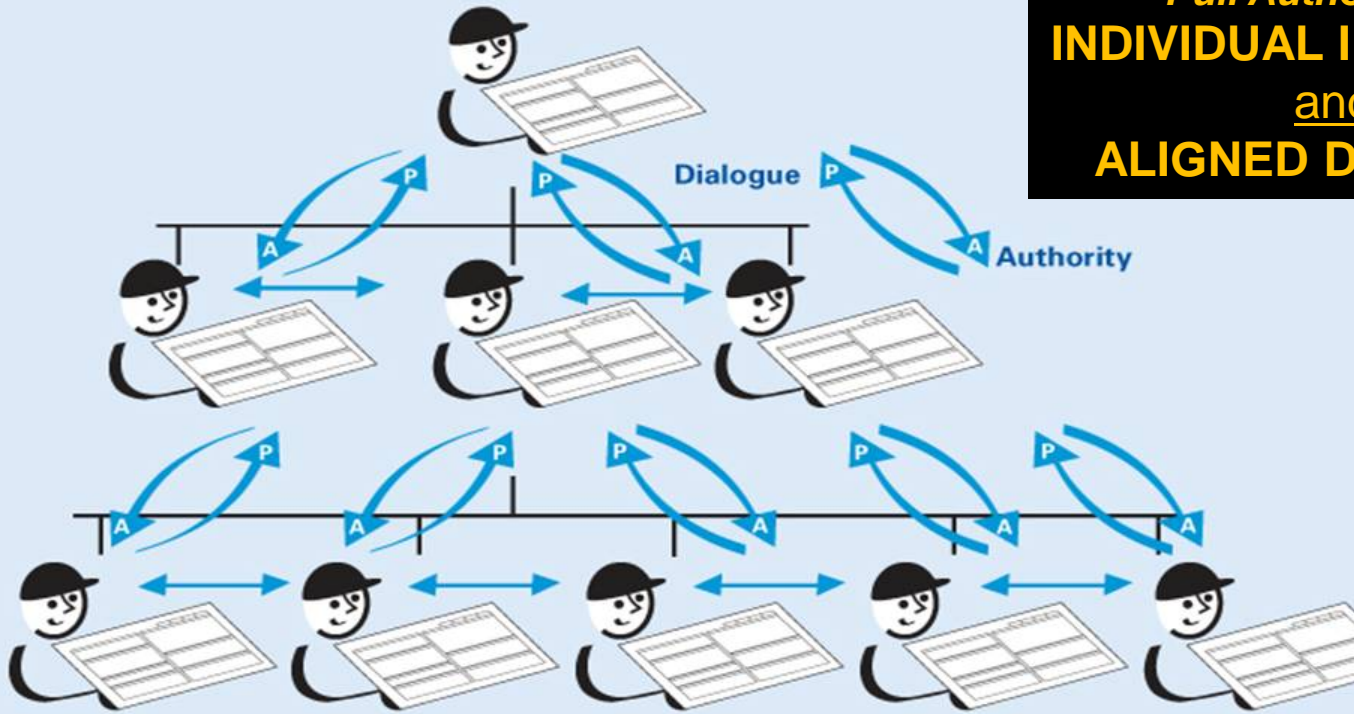
Responses?

Zero correlation

Highly correlated



Pull Authorization:
INDIVIDUAL INNOVATION
and
ALIGNED DIRECTION



Initiative – Dialogue – Proposal – Authorization

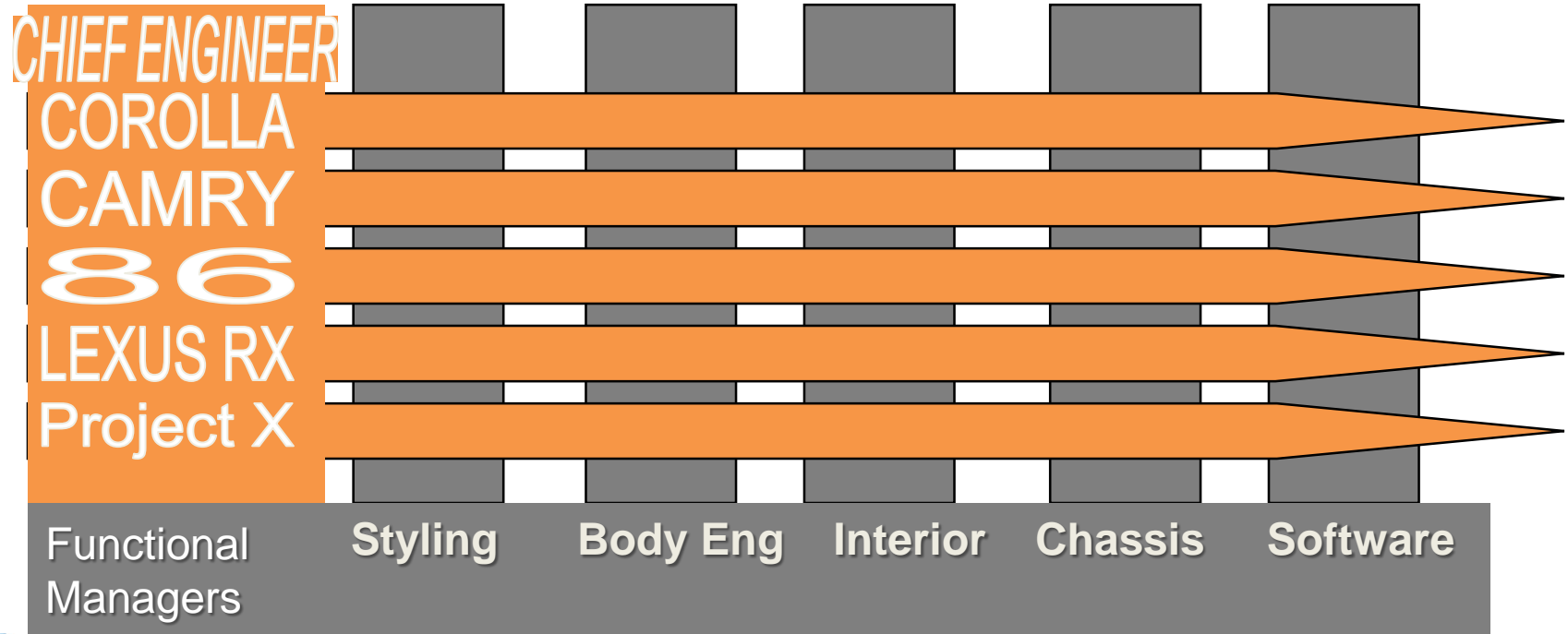


Lean Thinking as a Process of Endlessly Addressing a Set of Fundamental Questions

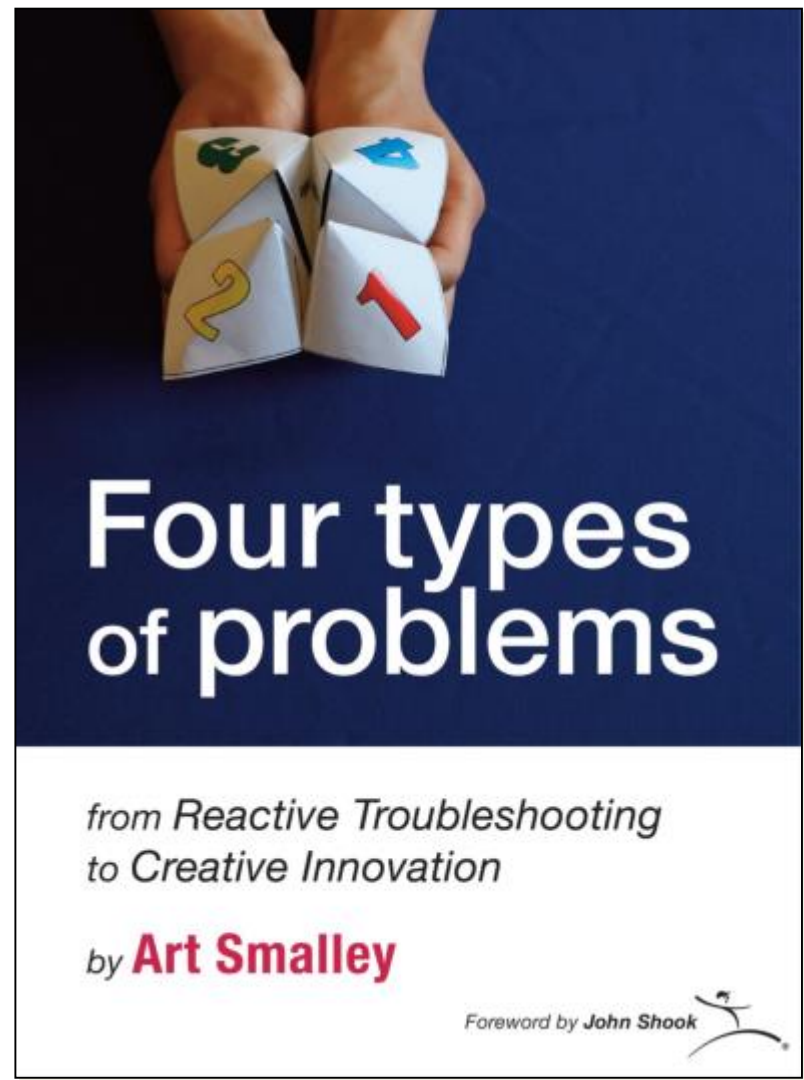
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**What to do, why,
and how to do it**

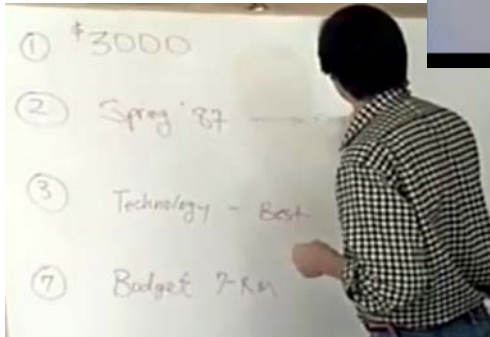
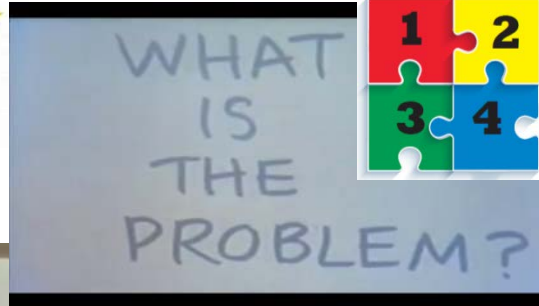
Each Individual as Chief Learning Architect of His or Her Own Area of Work

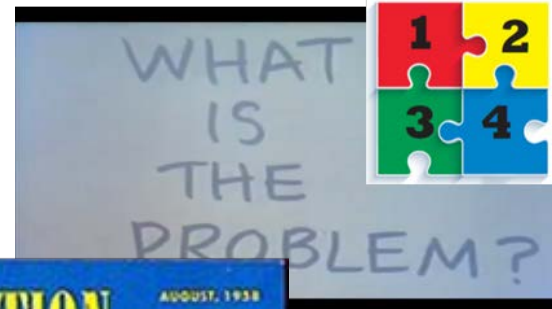
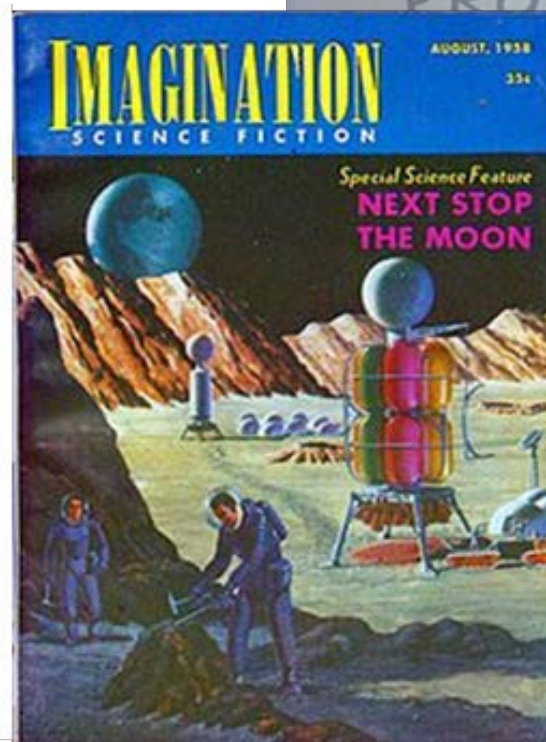
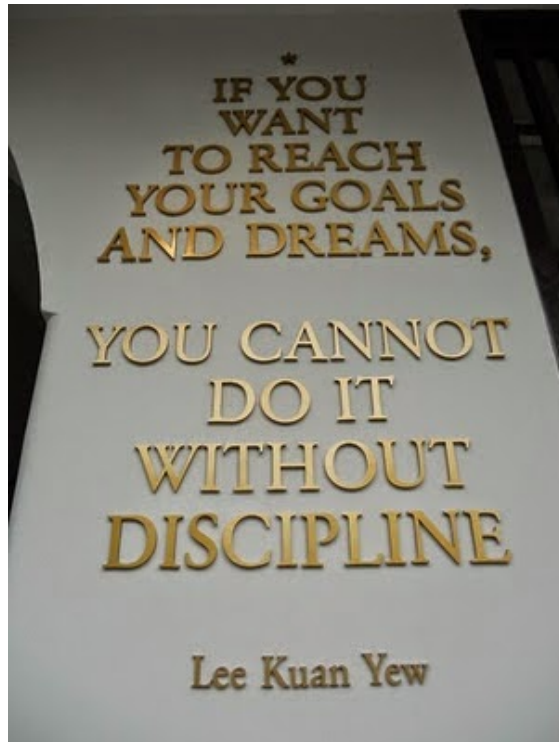


But, there are
differences in
solving different
types of
problems and in
designing or
leading different
types of work

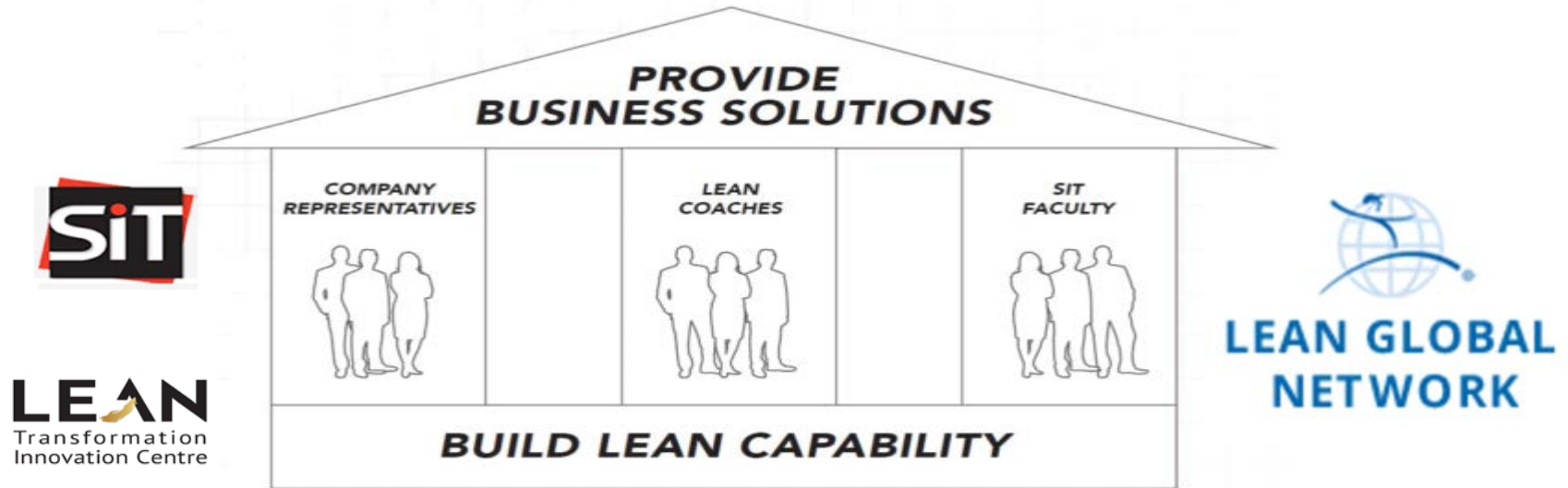


Troubleshooting – RCA – Target Condition – Emergent





LGN and SIT LTIC Partnership



The Lean Global Network



Making things better by advancing lean thinking and practice throughout the world.