



U.S. Department
of Transportation
Federal Highway
Administration



EDC Summit

State-based Technology Discussions



The Innovations

Warm Mix Asphalt (WMA)



Precast Bridge Elements



Geosynthetic Reinforced Soil



Safety Edge



Adaptive Traffic Control Technology





Our Visit Today

Part
1:

What is the EDC
Technology &
Innovation?

Part
2:

Current State of
the Technology

Part
3:

Barriers to
Implementation

Part
4:

State-based
Technology
Discussions





Part 4:

State-based Technology Discussions





Barriers...

- Polarity Management Tool
 - We All Thrive... Tapping Polarities
 - A Superpave/QA Perspective...





What are Polarities?... Life.



Ying & Yang

- Activity & Rest
- Justice & Mercy
- Autonomous & Fully Integrated (Part & Whole)

Good to Great by Jim Collins, we have:

- Willfulness & Humility
- Candor & Diplomacy
- Discipline & Entrepreneurship...





I know you know this, but...

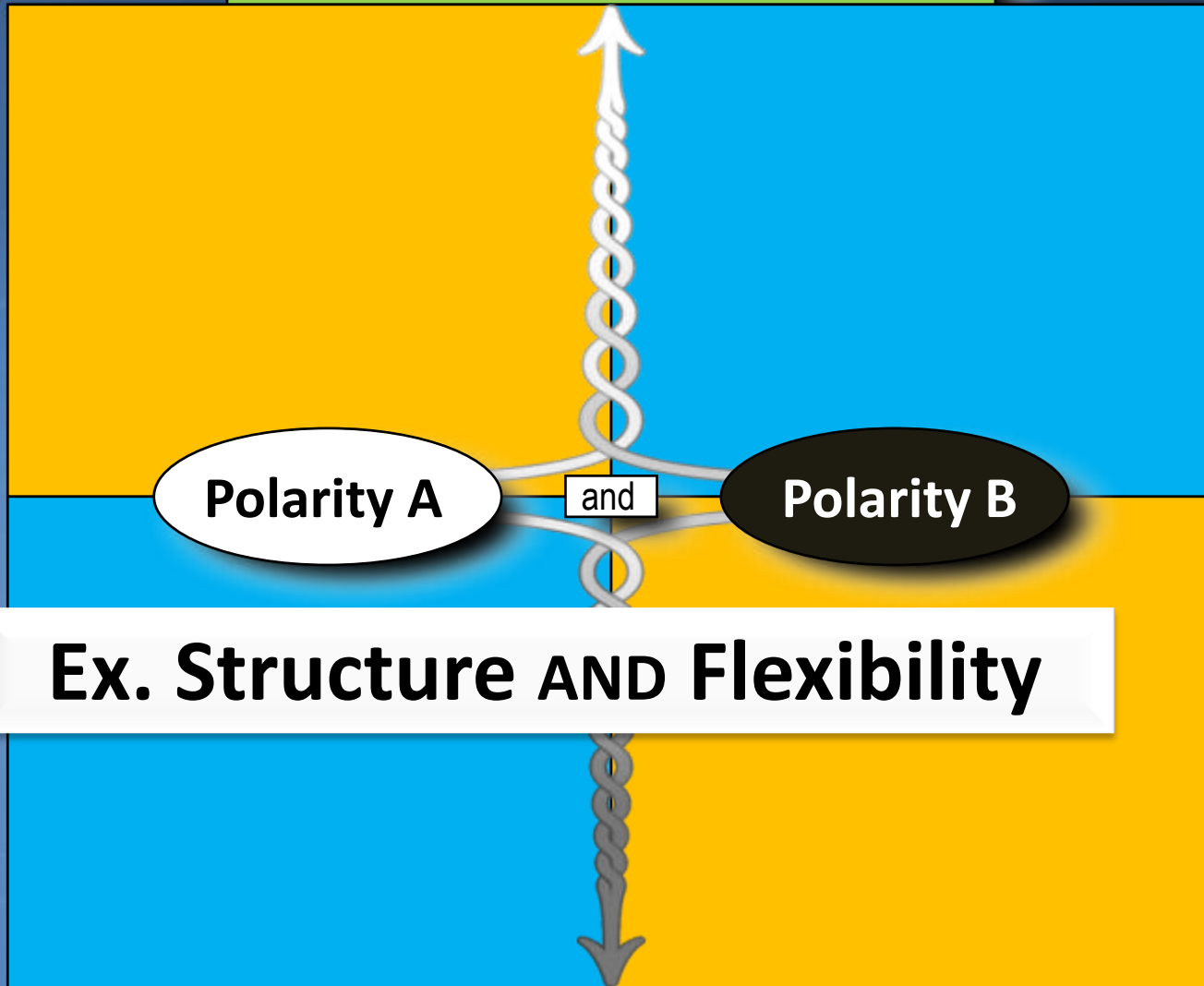
- Variety is the _____ of life.
- Too much of good thing is a _____ thing.
- Cool Tool, Polarity Management[®] Map....



Polarity Management® Map



Greater Purpose Statement: Success



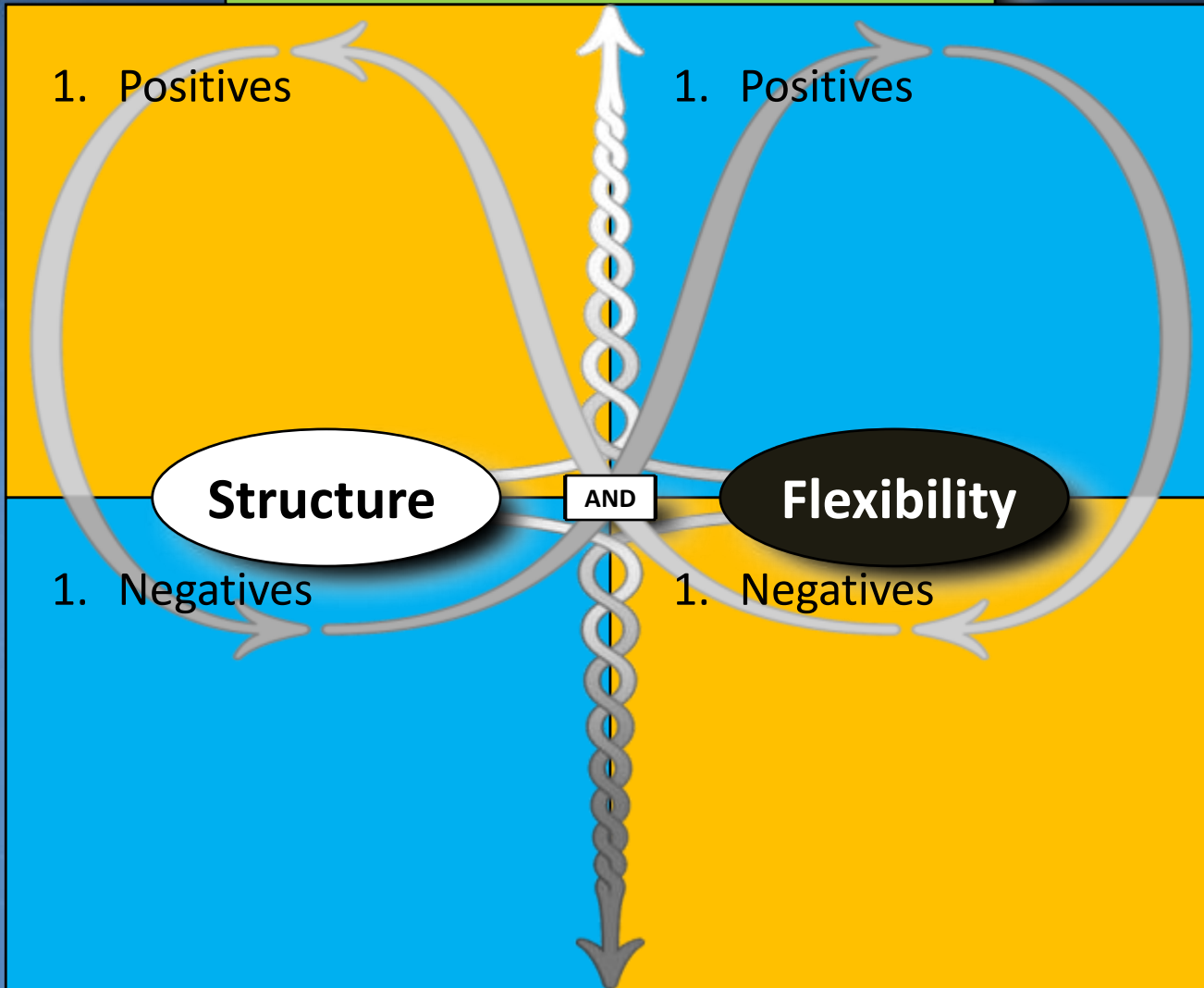
Ex. Structure AND Flexibility

Fear: Failure

Polarity Management® Map

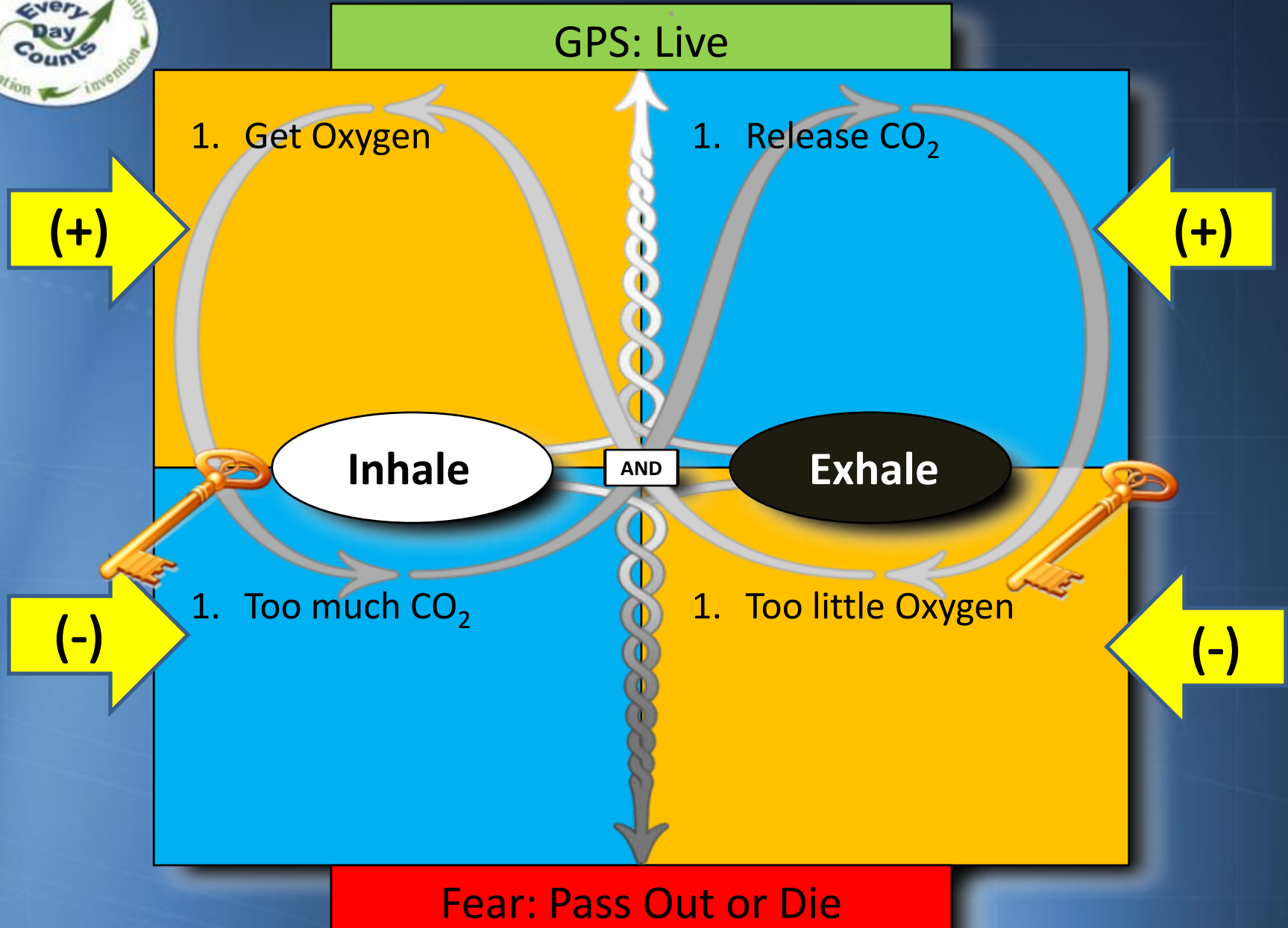


GPS: Success



Fear: Failure

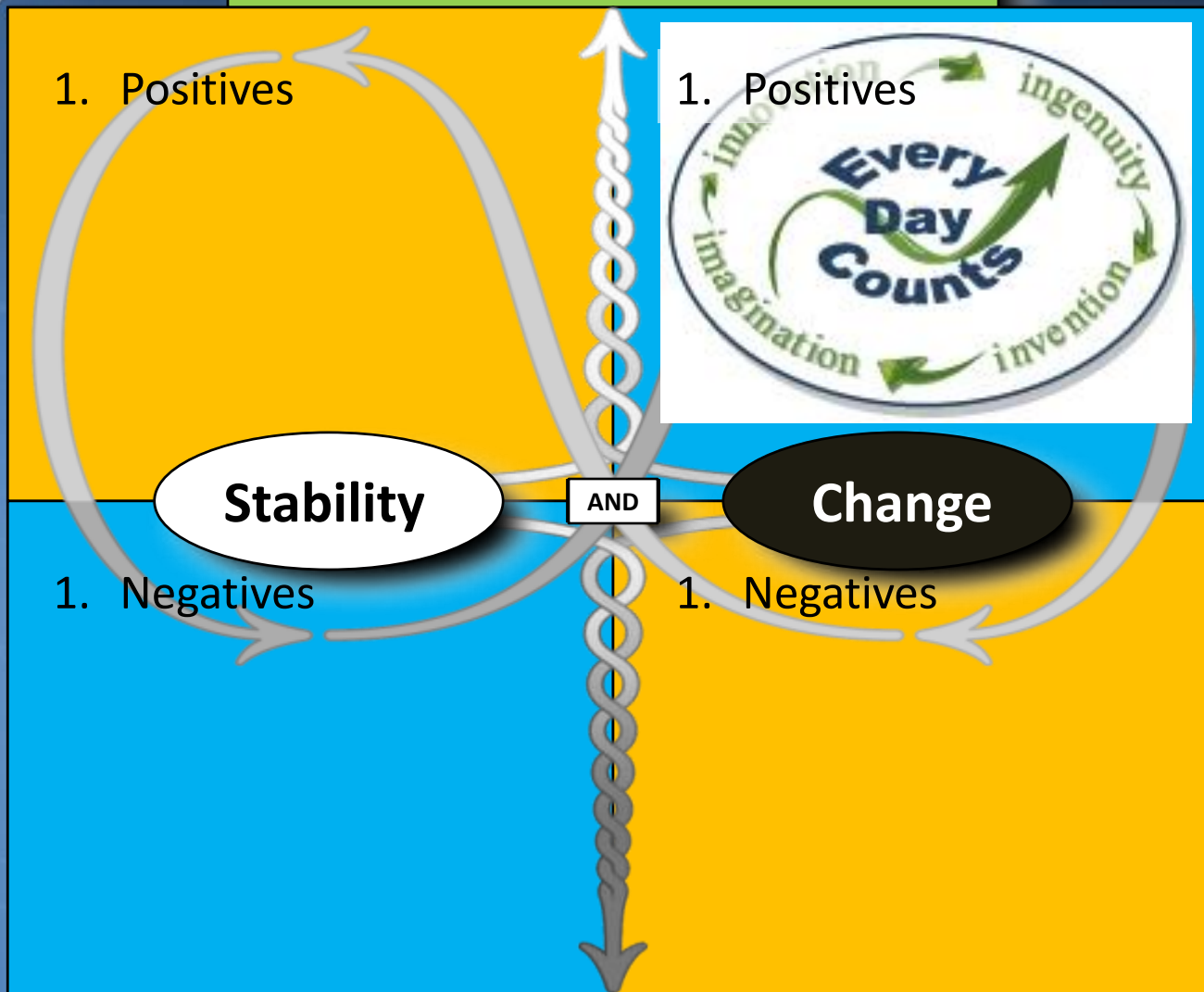
Polarity Management® Example: Breathing



PM[®]: Every Day Counts



GPS: Success

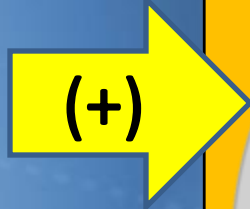


Fear: Failure



PM[®] Map: Every Day Counts

Agency: Healthy Infrastructure
Industry: Competitive Advantage



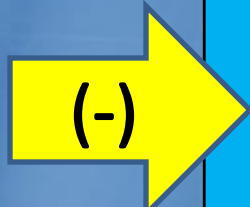
- 1. Proven Technology / Continuity
- 2. Core Values / Low Risk
- 3. Responsible / Trustworthy

Stability

AND

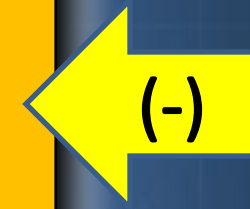
Change

- 1. New Energy & Ability to meet needs
- 2. Creativity
- 3. High Reward: faster, cheaper, better



- 1. Unable to meet emerging needs / Stagnation
- 2. Loss of Energy
- 3. Outdated / Missed Opportunities

- 1. Loss of Continuity
- 2. Foolish Risks
- 3. Unresponsive / Loss of Public Trust

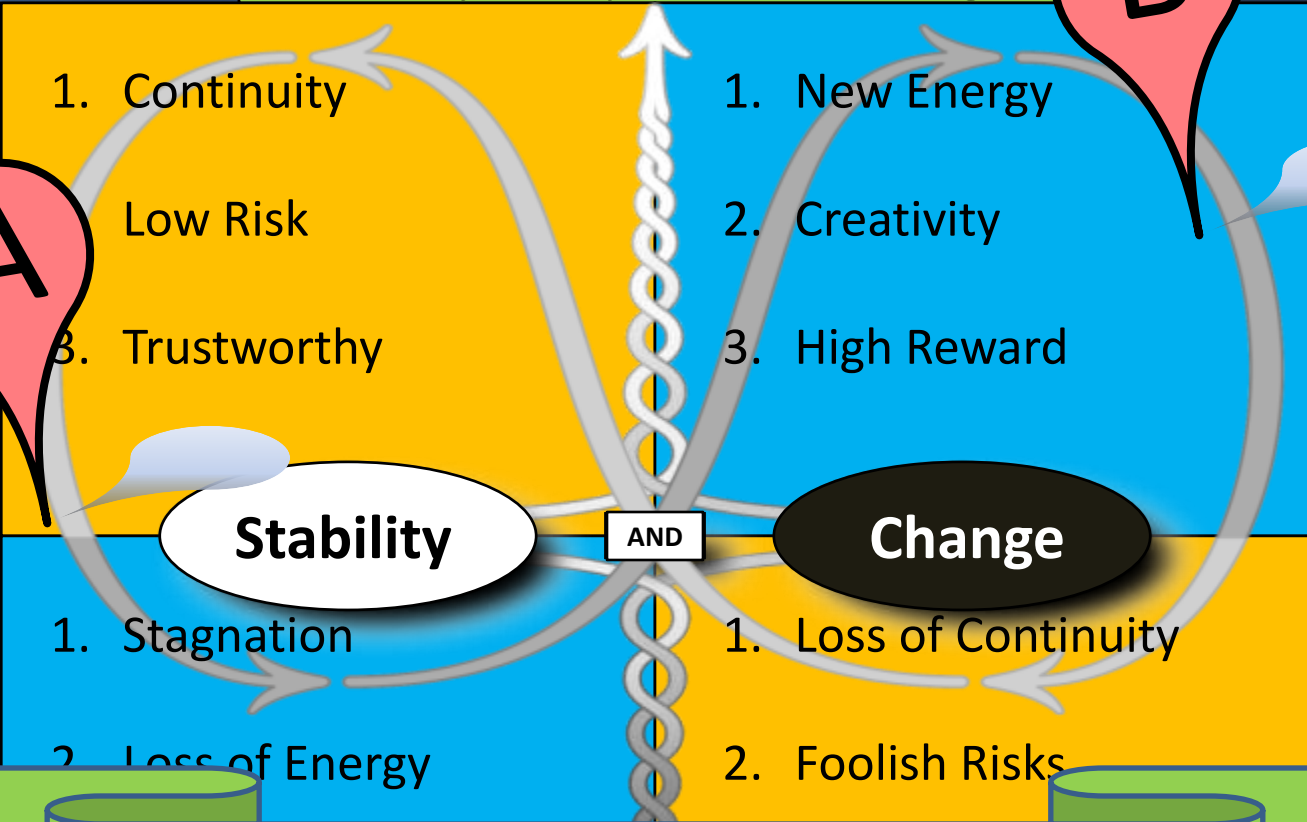


Agency: Network Failure
Industry: Can't Compete

PM® Map: Every Day Counts – Leaning Forward



Agency: Healthy Infrastructure
Industry: Competitive Advantage



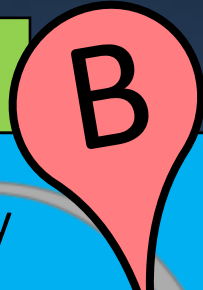
So, how do we get from point “A” to point “B”?

Agency: Network Failure
Industry: Can't Compete

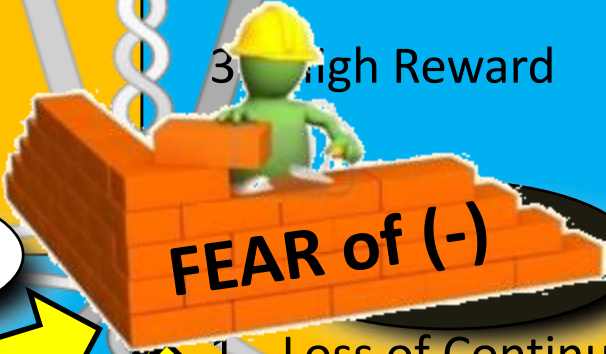
PM® Map: Every Day Counts – Leaning Forward



Agency: Healthy Infrastructure
Industry: Competitive Advantage



Stability



Our Challenge is to anticipate the Learning Curve, while affirming what is working!

Agency: Network Failure
Industry: Can't Compete



Anticipating the Learning Curve

1. Shifting to another pole (like EDC) can represent a relatively new experience, groups are likely to get some of the downside (-) of the new pole before the upside...



2. Those resisting the move are asked to:

- Hold onto the upside (+) of their preferred pole;
- Tolerate, to some degree, the downside (-) of their less preferred pole as part of the learning process.

PM Map: Every Day Counts – Leaning Forward



Agency: Healthy Infrastructure
Industry: Competitive Advantage

Action Steps

1. How will we gain/maintain the (+) results from focusing on this pole?

1. Continuity
2. Low Risk
3. Trustworthy

Stability

AND

Change

Action Steps

3. How will we gain/maintain the (+) results from focusing on this pole?

1. New Energy
2. Creativity
3. High Reward

Early Warnings

4. Measureable indicators we are heading (-)

1. Stagnation
2. Loss of Energy
3. Missed Opportunities

1. Loss of Continuity
2. Foolish Risks
3. Loss of Trust

E.W. & Barriers

2. Measureable indicators we are heading (-)

Agency: Network Failure
Industry: Can't Compete



Polarity Analysis

1. Maintain the Positive of Stability (BAU)
2. What are the Measurable Early Warnings to the Downside of Change to EDC WMA?
3. What is upside to EDC (Part I - III)?
4. What are the Measurable Early Warnings to the Downside of Stability?



