



Breaking the Market Constraint The Speed to Invent

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Where is your Organization's Constraint?

Do you have more demand for your goods or services than you have capacity to meet?

Do you have more capacity for the goods and services that you offer than you have market demand?



What does your market want to buy?

A Product?

A Service?

Education?

**The Market wants a SOLUTION
to their problems.**

An Unrefusable Offer (URO) to the Market

An Unrefusable Offer (URO) is about:

Finding a way to improve your customer's (external constraint) bottom line so that you may improve your own organization's bottom line....

... a true win-win!

The objective of the market offer(s) will be to cause your market to buy more and/or pay a higher price.

There are 5 steps in constructing a URO using the TOC Thinking Processes

1. Determine the core conflict responsible for some/many of the market's significant problems.
2. Determine what changes your organization must make internally to solve the market's core conflict.
3. Construct a solution, an "offer," that your organization can provide to resolve that core conflict.
4. Develop an implementation plan that addresses the obstacles blocking the implementation of the solution.
5. Learn how to sell the unrefusable offer to the market, as well as to your own organization.

The Situation - Background:

Company XYZ finds itself with a Market Constraint. The company has capacity to sell!

- Company XYZ's Product Development Department is working on the next innovative product launch. This process however can take a long time. They need help alleviating the market constraint now.
- Company XYZ sells their products via Distributors.

Defining the Subject Matter:

Which specific link in the area of the market are we going to address?

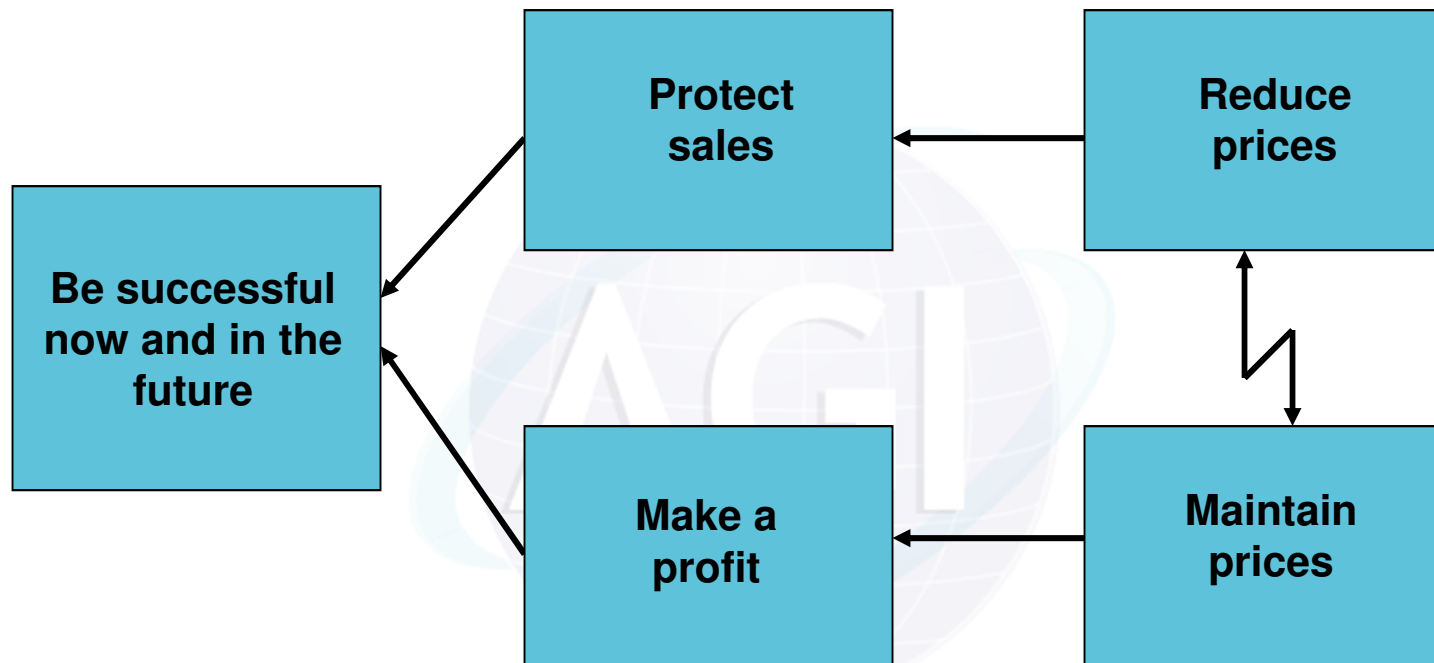


Undesirable Effects (UDEs) of the Distributor

- Customer lead times are unrealistic.
- My vendor (Company XYZ) lead times are too long.
- Committed delivery dates by my vendors are not accurate.
- My competitors are beating me to the market place.
- My vendor (Company XYZ) is not providing quality products that meet customer needs.
- My time to market is too long.

If we can solve these UDEs,
will the Distributor be willing to buy more from us,
or perhaps pay us a higher price?....

Core Conflict of the Distributors



Direction of a Solution:

Company XYZ will improve their processes such that they can reliably reduce their time to market without increasing price.

Desired Effects of the Distributors...

- Our vendor lead times reliably exceed our needs.
- Our time to market exceeds customer expectations.
- We are able to reliably deliver on time.
- We provide improved product offerings that meet customer needs.
- Sales significantly increase.
- Our profits increase significantly.

Distributor's Future Reality

Desired Effects

- Our profits increase significantly.
- Sales significantly increase.
- We provide improved product offerings that meet customer needs.
- Our time to market exceeds customer expectations.
- We are able to reliably deliver on time.
- Our vendor lead times reliably exceed our needs.

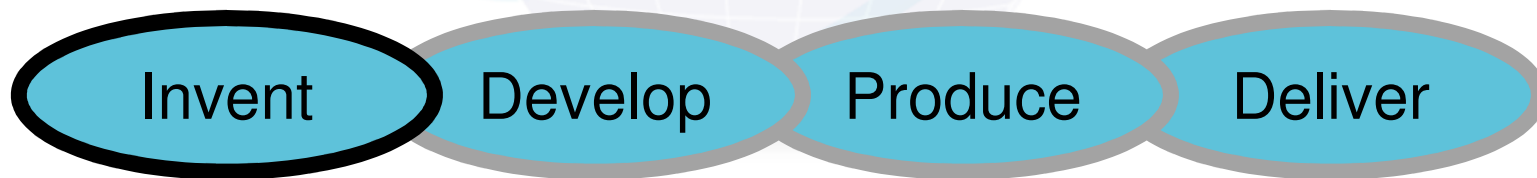


- **Company XYZ provides short, reliable lead times without increasing prices.**
- **Company XYZ creates the next technological innovation that provides a breakthrough which meets and exceeds customer expectations.**

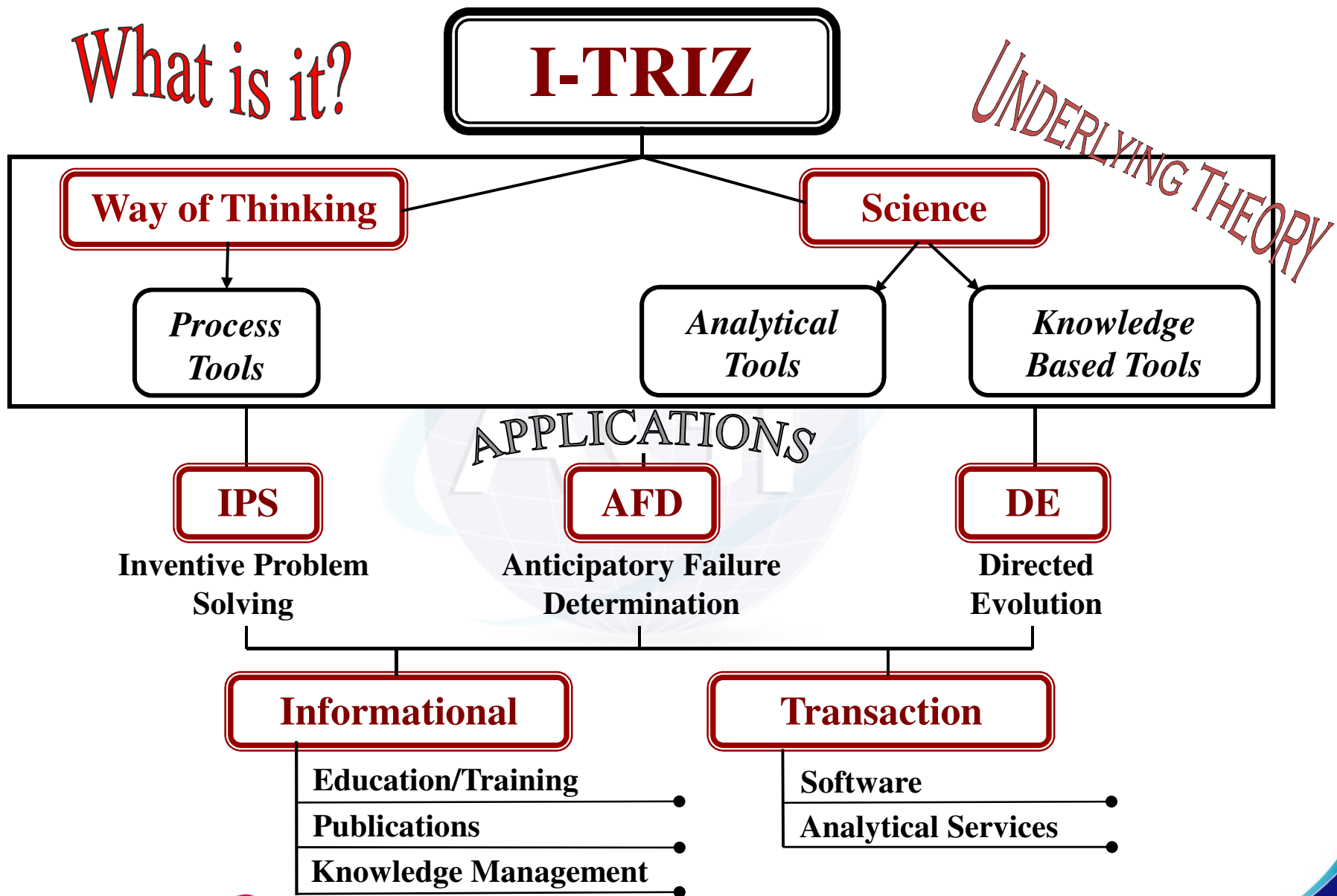
The Need for Speed and Focused Innovation

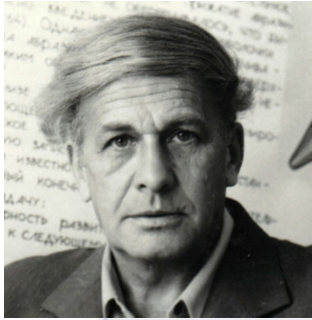
Theory of Constraints (TOC) Solutions are already providing SPEED WITH DIRECTION strategies for developing, producing and delivering.

Let's look at a methodology to improve the speed to invent.



Establishing an Innovative Framework for Success





SM

Over 58 Years of Development

initiated and led by G. Altshuller and involving hundreds of scientists and inventors



More than
3.000.000
world- wide
patents



Practical experience
of thousands of
scientists, inventors,
engineers, managers,
businessmen, etc.



Theory of Inventive Problem Solving TRIZ



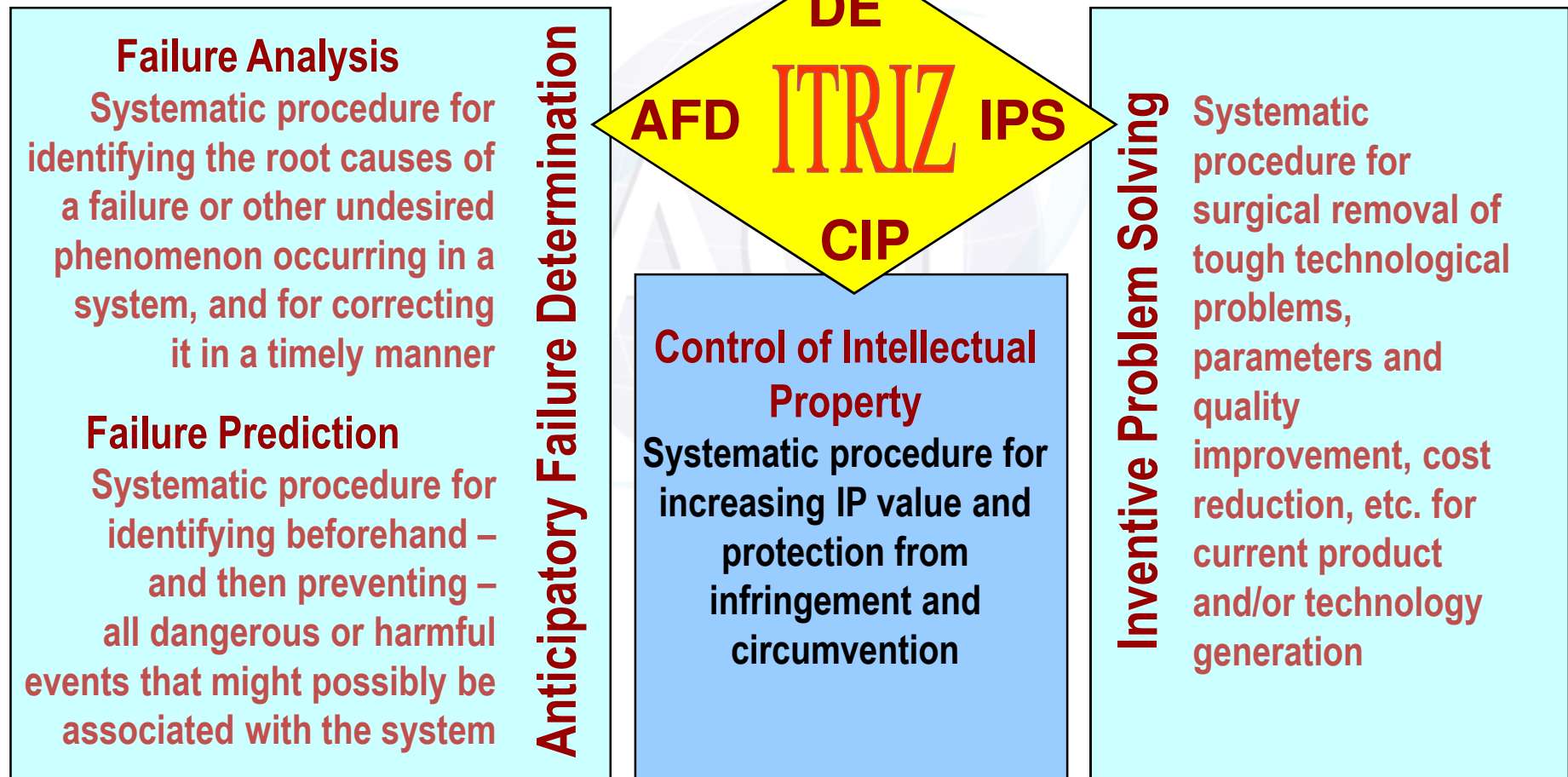
History of evolution in
different areas of
technology and science,
social systems,
business, management,
art, languages, etc.

Feedback from solving
with TRIZ thousands of
problems

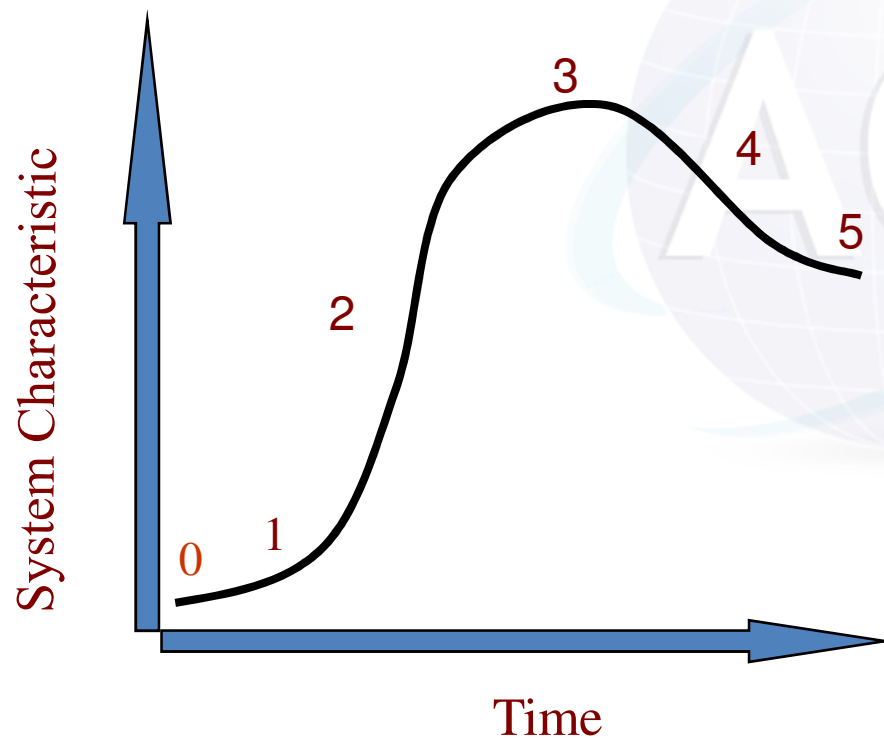
I-TRIZ Applications

Directed EvolutionTM

Systematic procedure for strategically evolving future generations of technological systems



Evolutionary Positioning: S-Curve Analysis



Stage 0 - a system does not yet exist but important conditions for its emergence are developing

Stage 1 - a new system appears due to a high-level invention and begins developing slowly

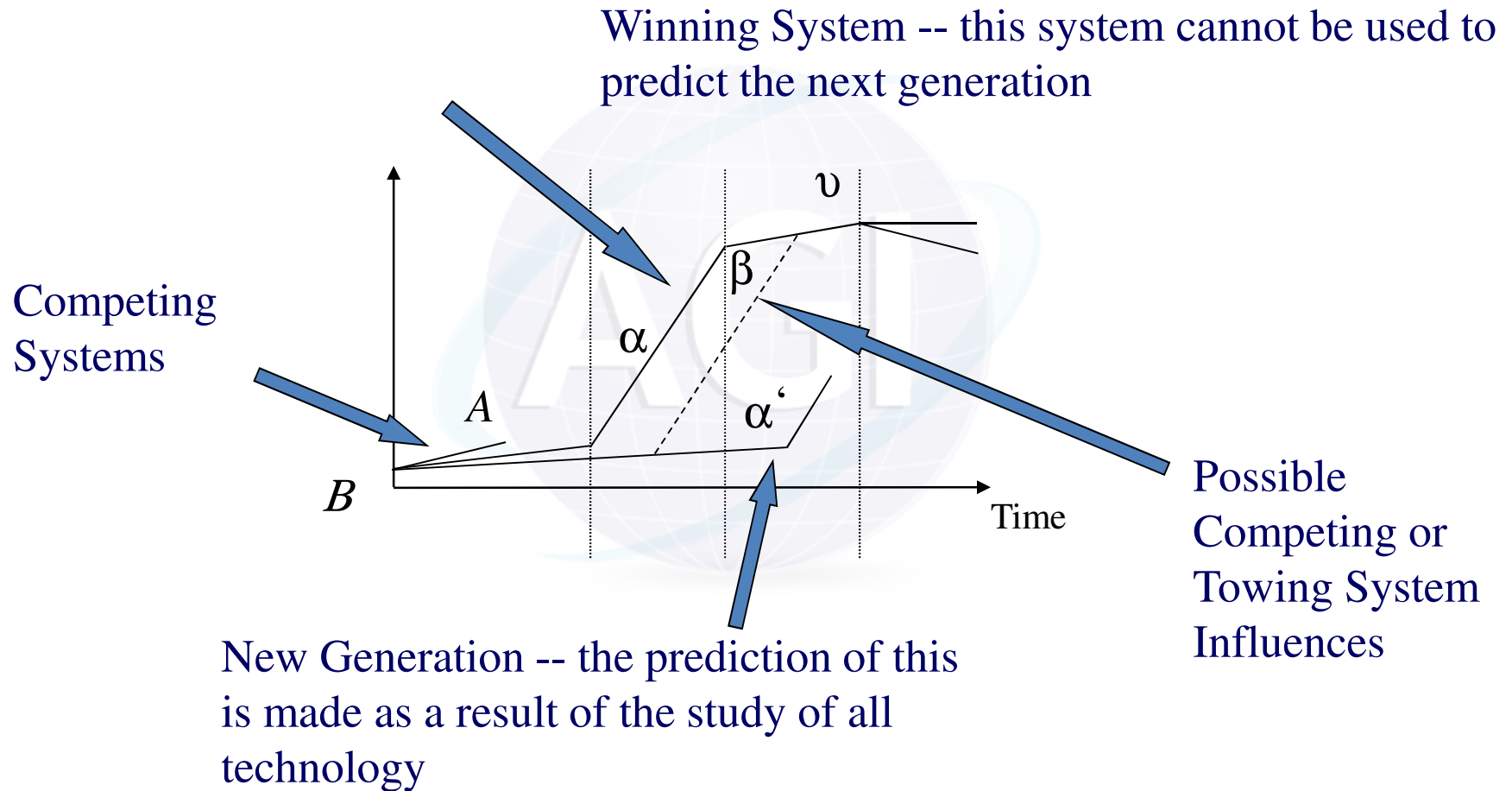
Stage 2 - begins when society recognizes the value of the new system

Stage 3 - begins when the resources on which the original system is based are mostly exhausted

Stage 4 - begins when a new system (or the next generation of the current system) emerges to replace the existing one

Stage 5 - begins if the new system does not completely replace the existing system, which still has limited application

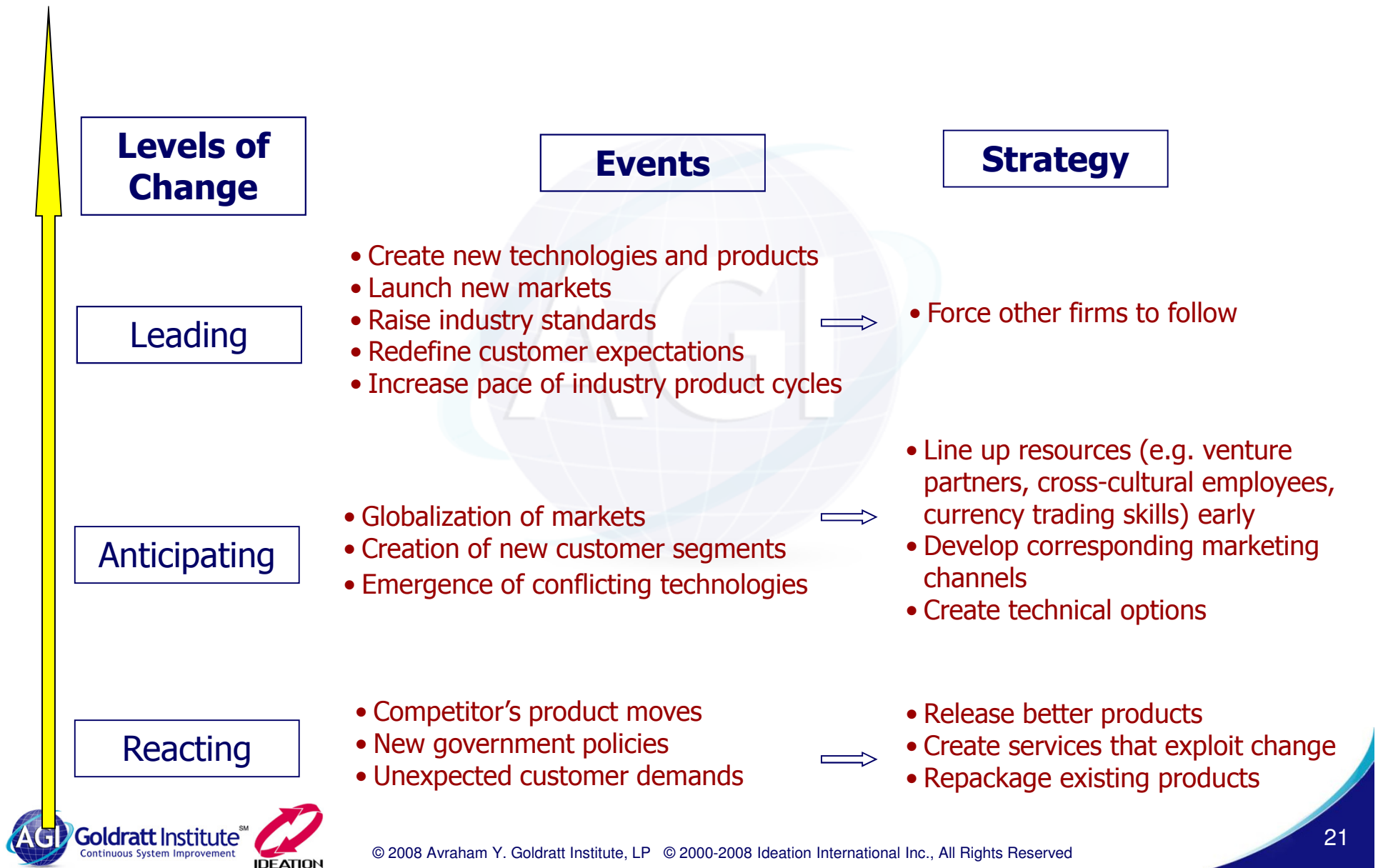
S-Curve Analysis



Based on Future Thinking



Managing the Strategic Challenge of Change



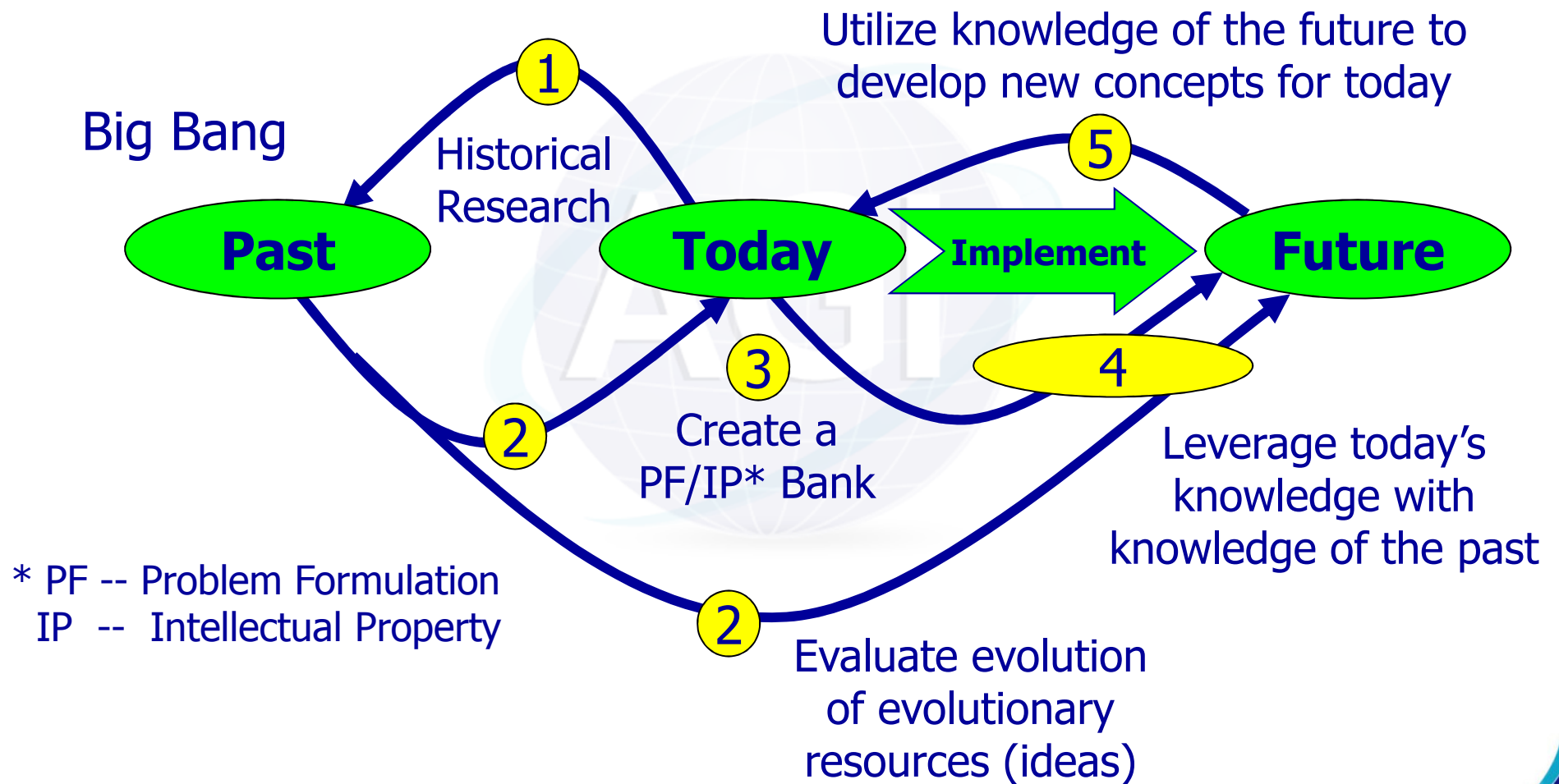
Directed Evolution: Building Sustained Competitive Advantage

*By developing a comprehensive set of
logically sequenced scenarios
that enables the
planning and on-going development of
technological and business systems.*

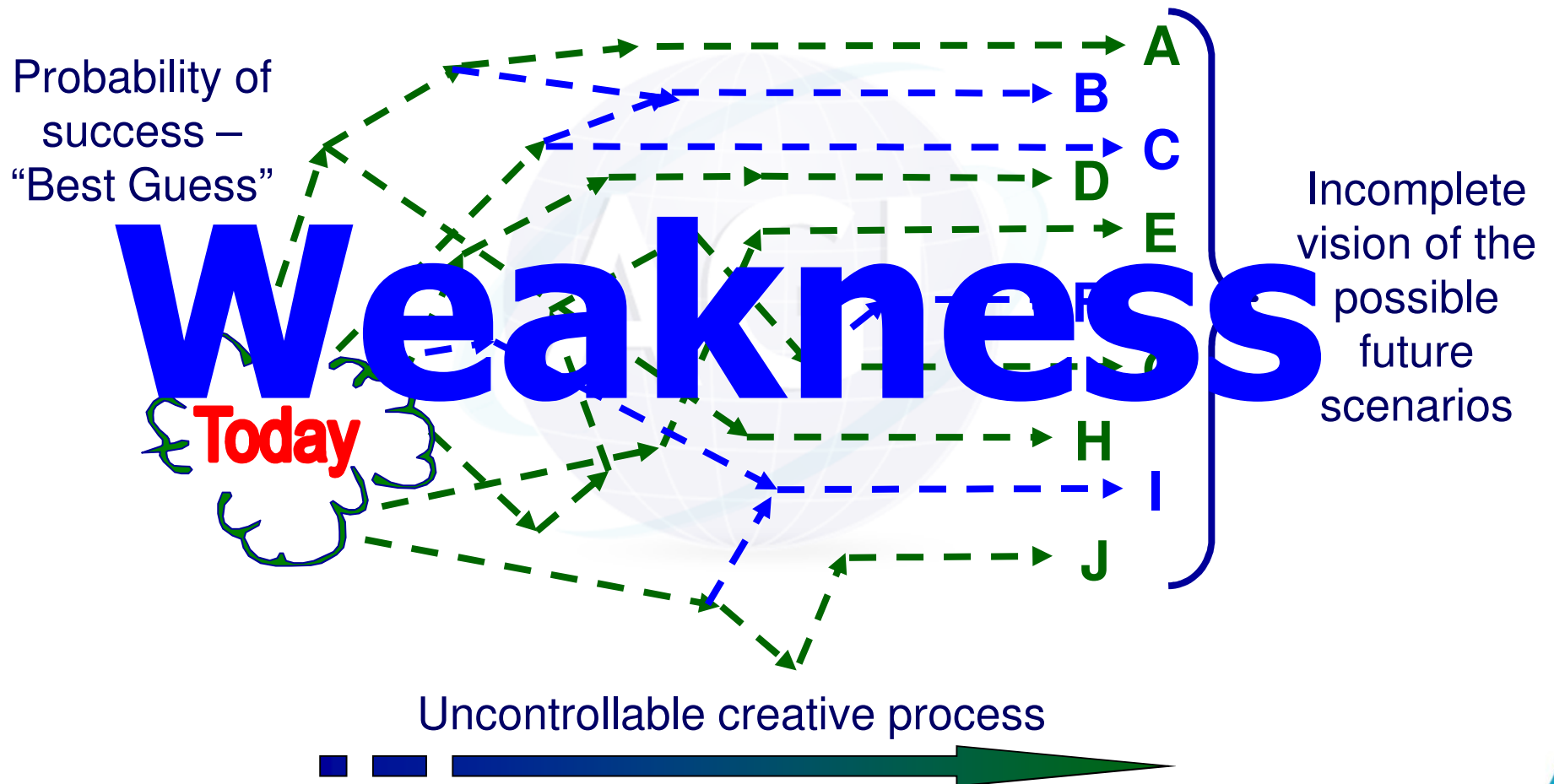
Strength

Directed Evolution

High-level overview

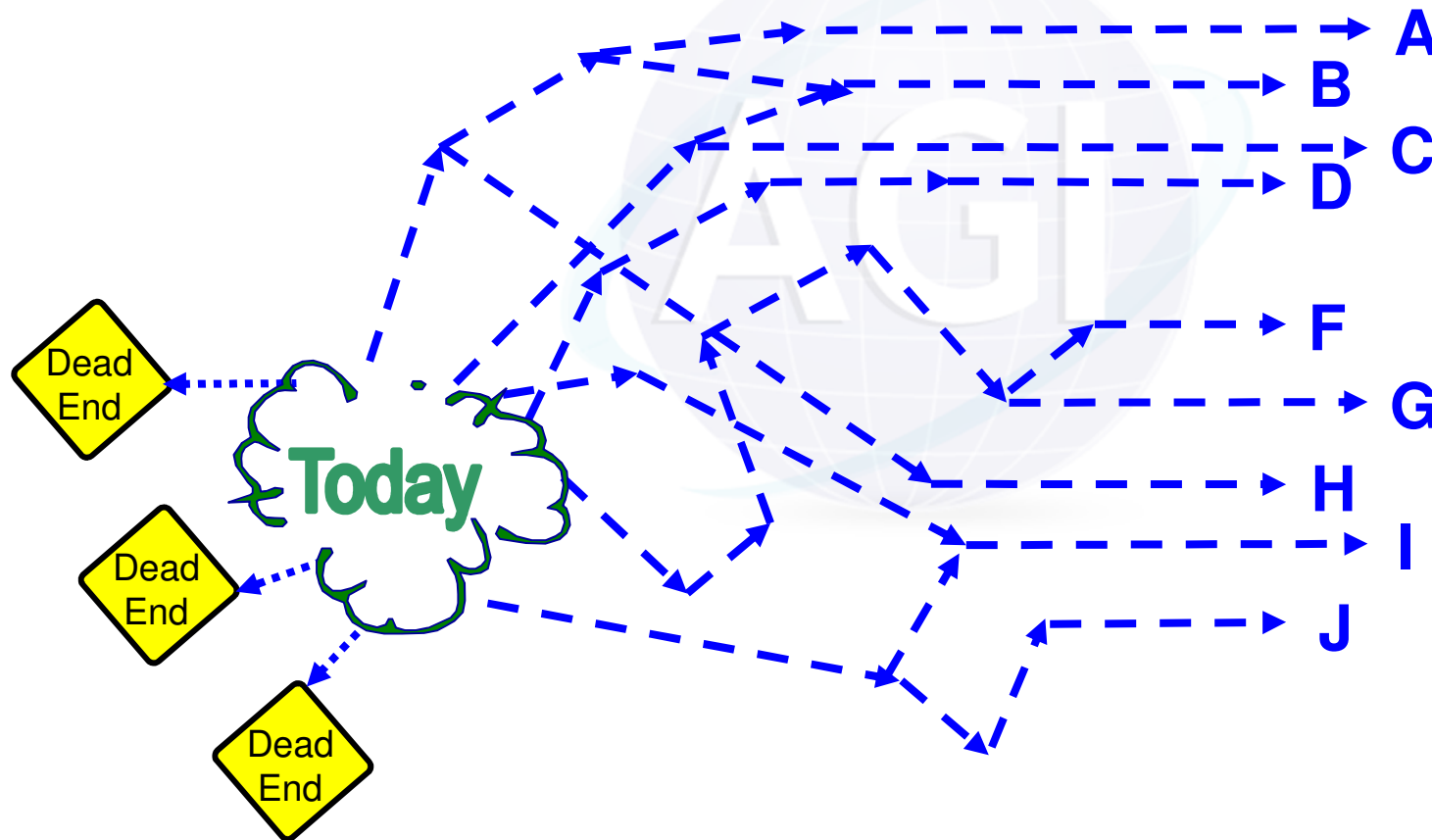


Unknown Future



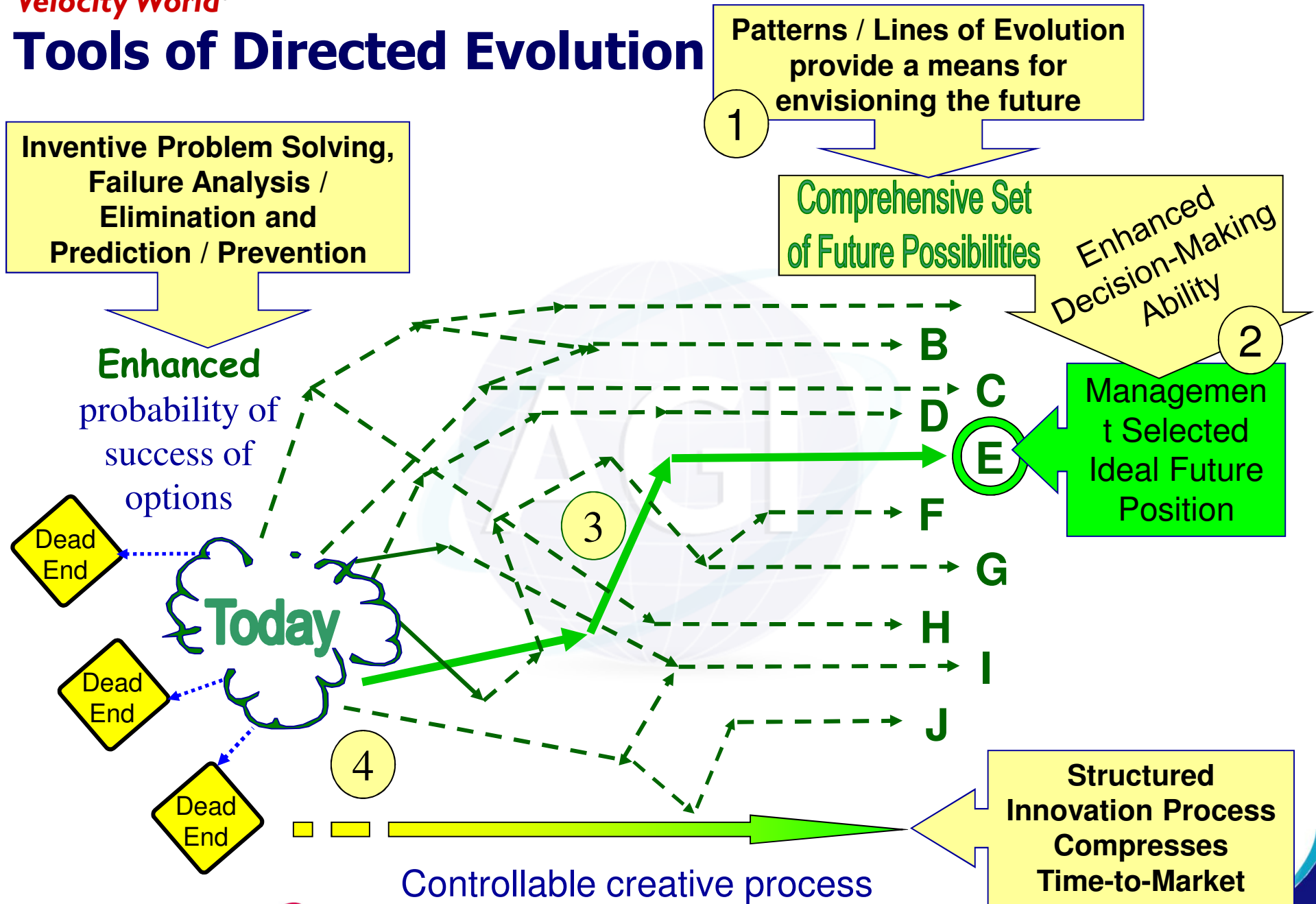
Competitor Direction and Misdirected Efforts of Your Company

Threats

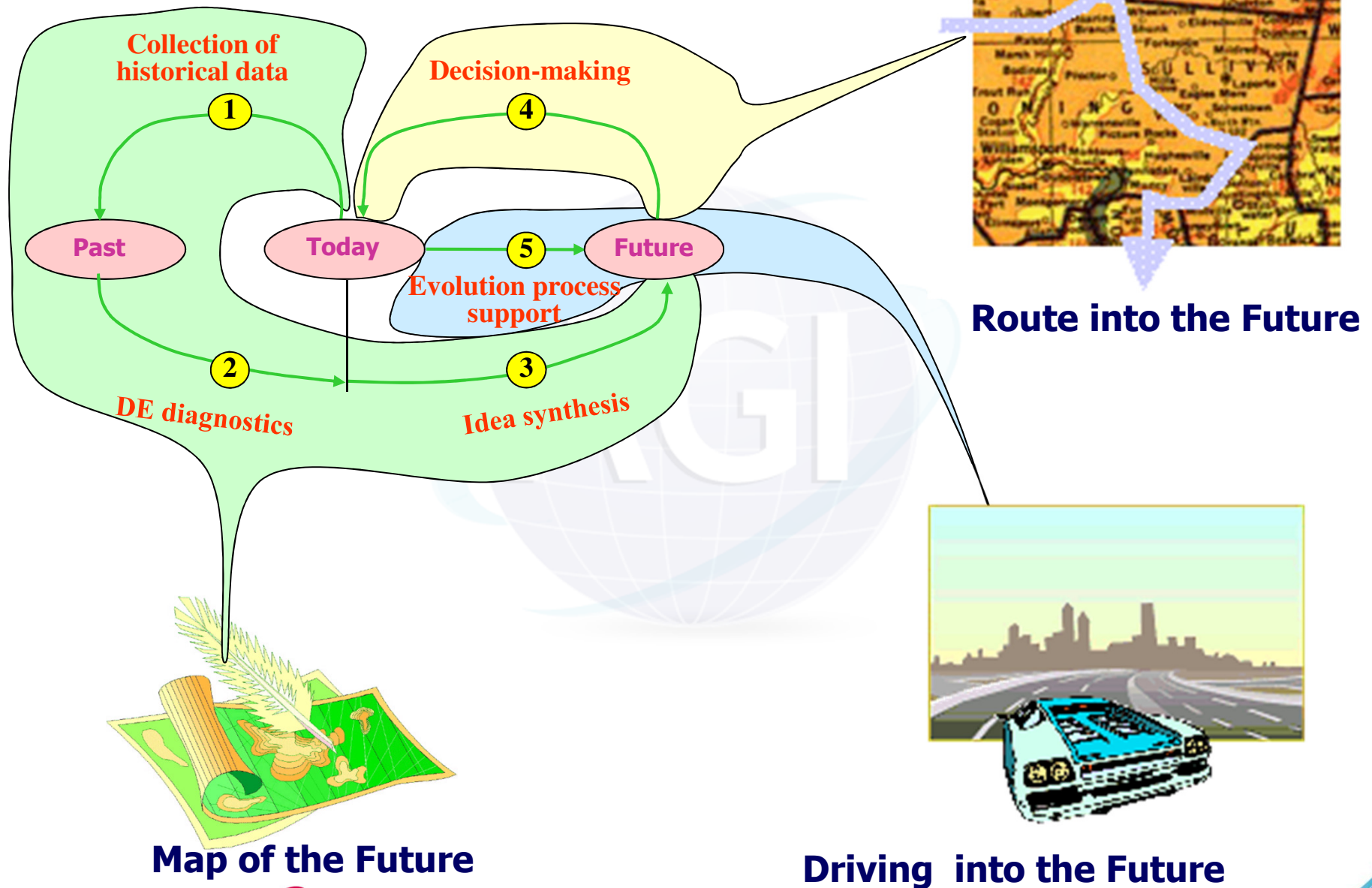


Many paths;
challenges and
competitive
threats as you
move into the
future.

Tools of Directed Evolution

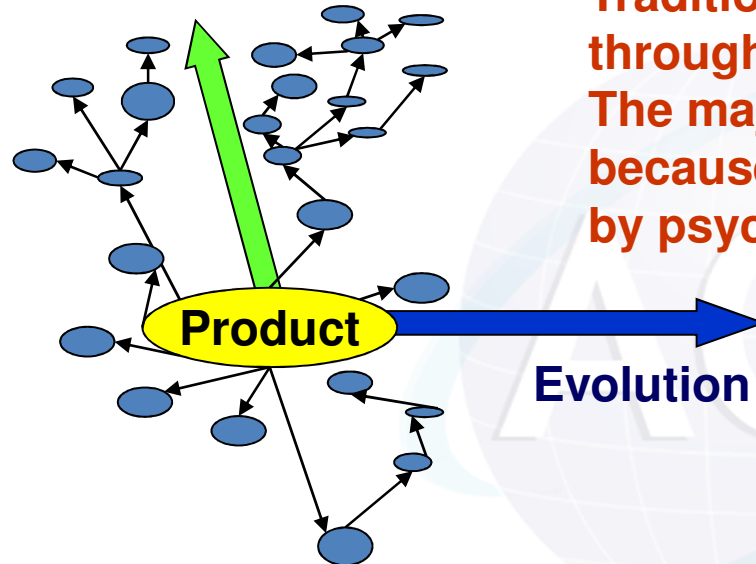


Analogy for Directed Evolution



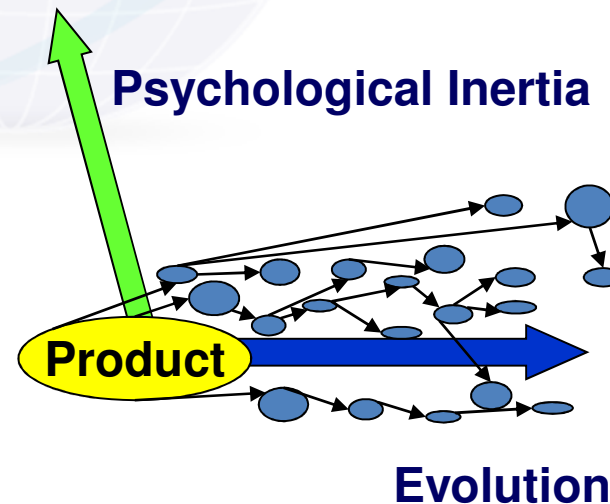
New Product Generations: Traditional Way vs. Directed Evolution

Psychological Inertia

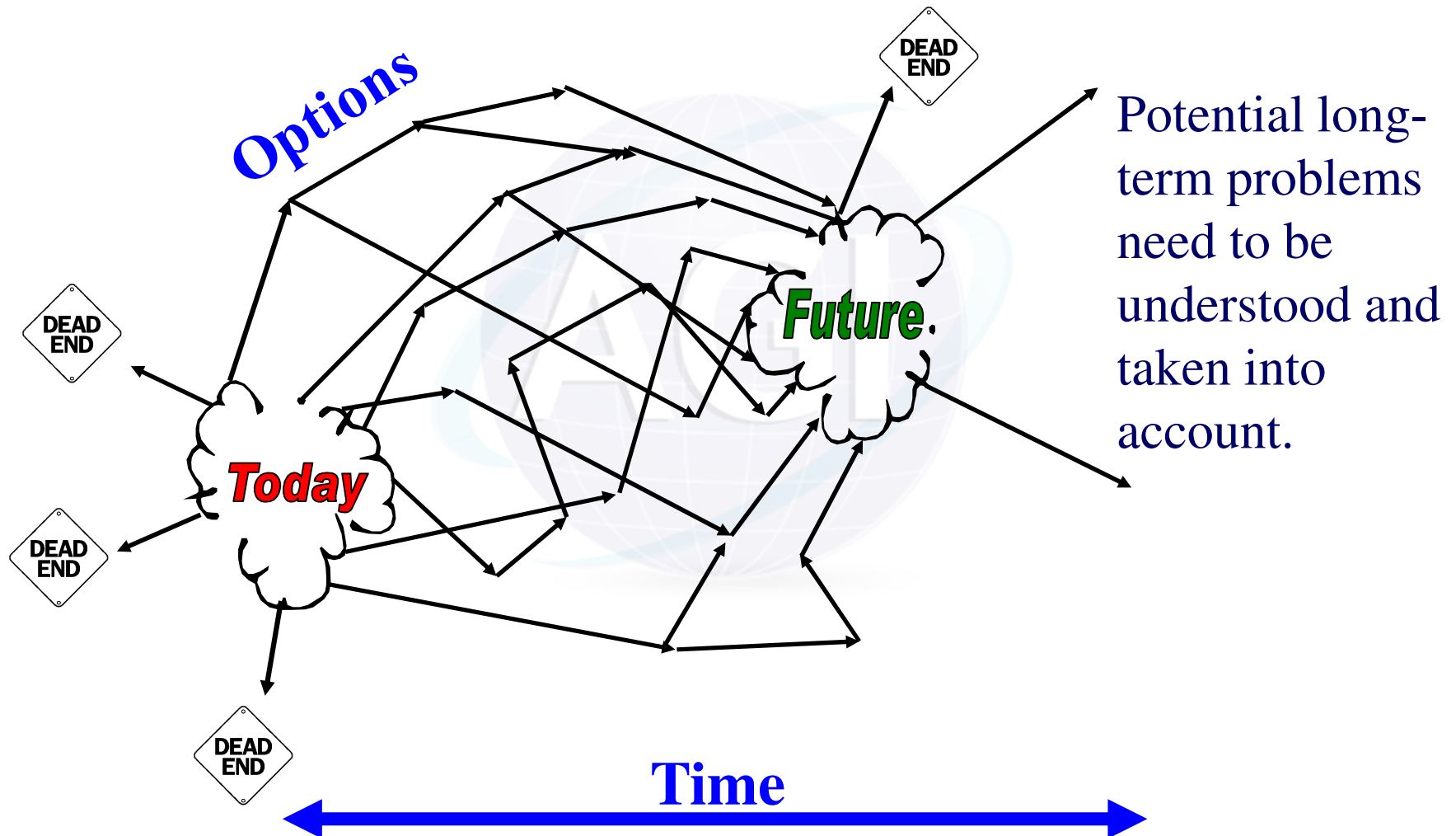


Traditionally, evolution goes through Trial & Error method. The majority of trials fail because they are influenced by psychological inertia.

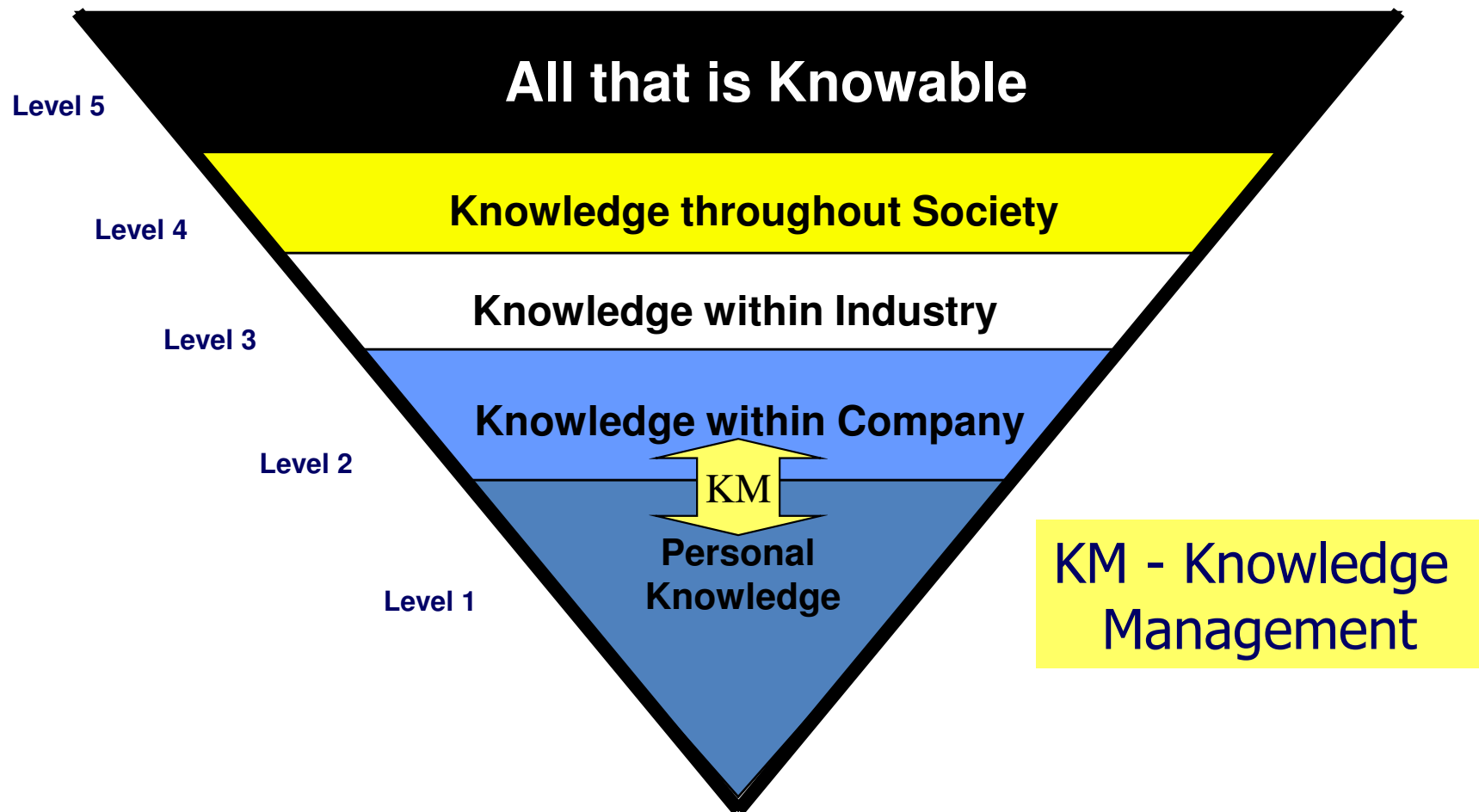
In Directed Evolution, the majority of trials are productive because they follow Patterns of evolution.



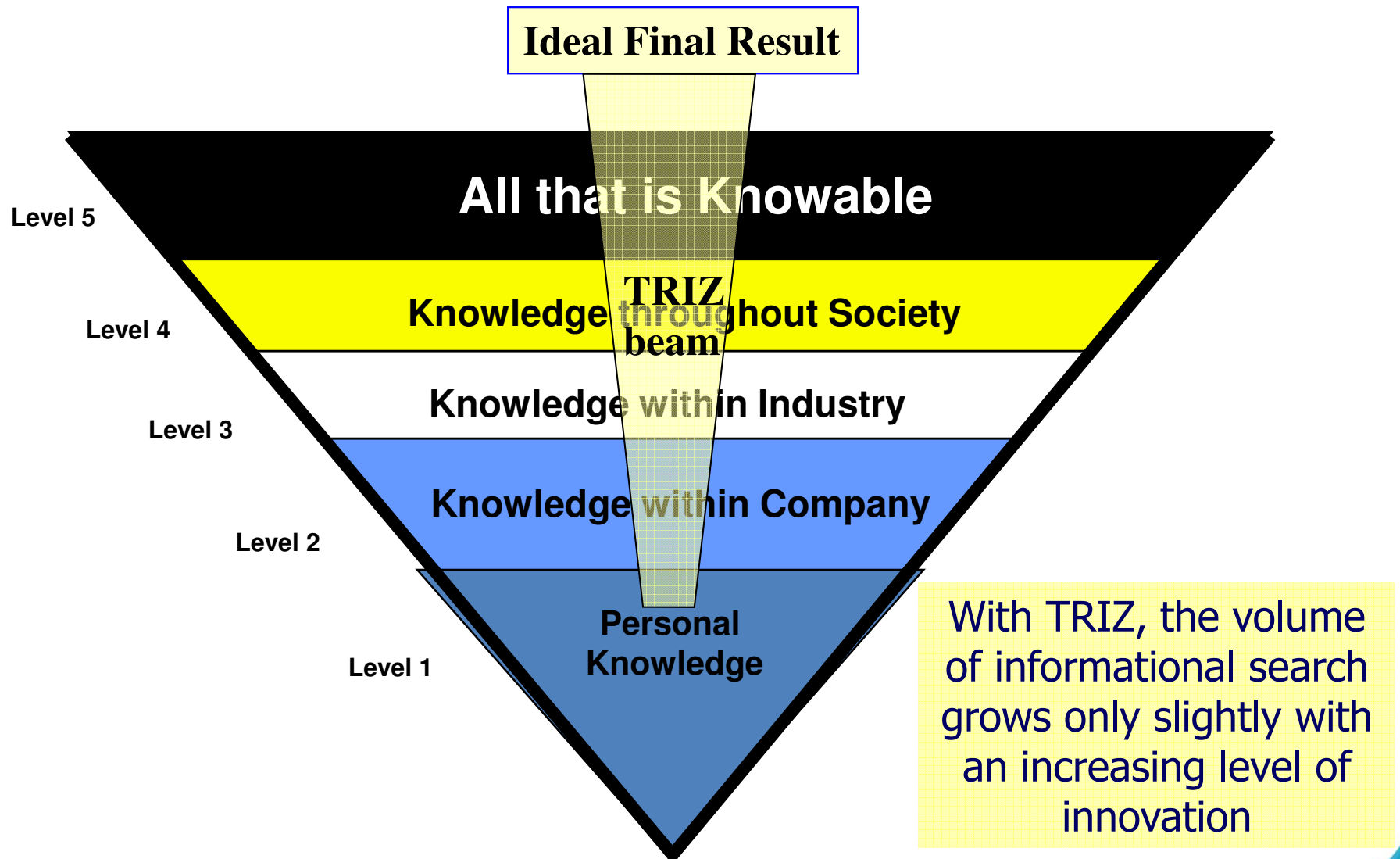
Mapping the Future Using DE



The Knowledge Pyramid

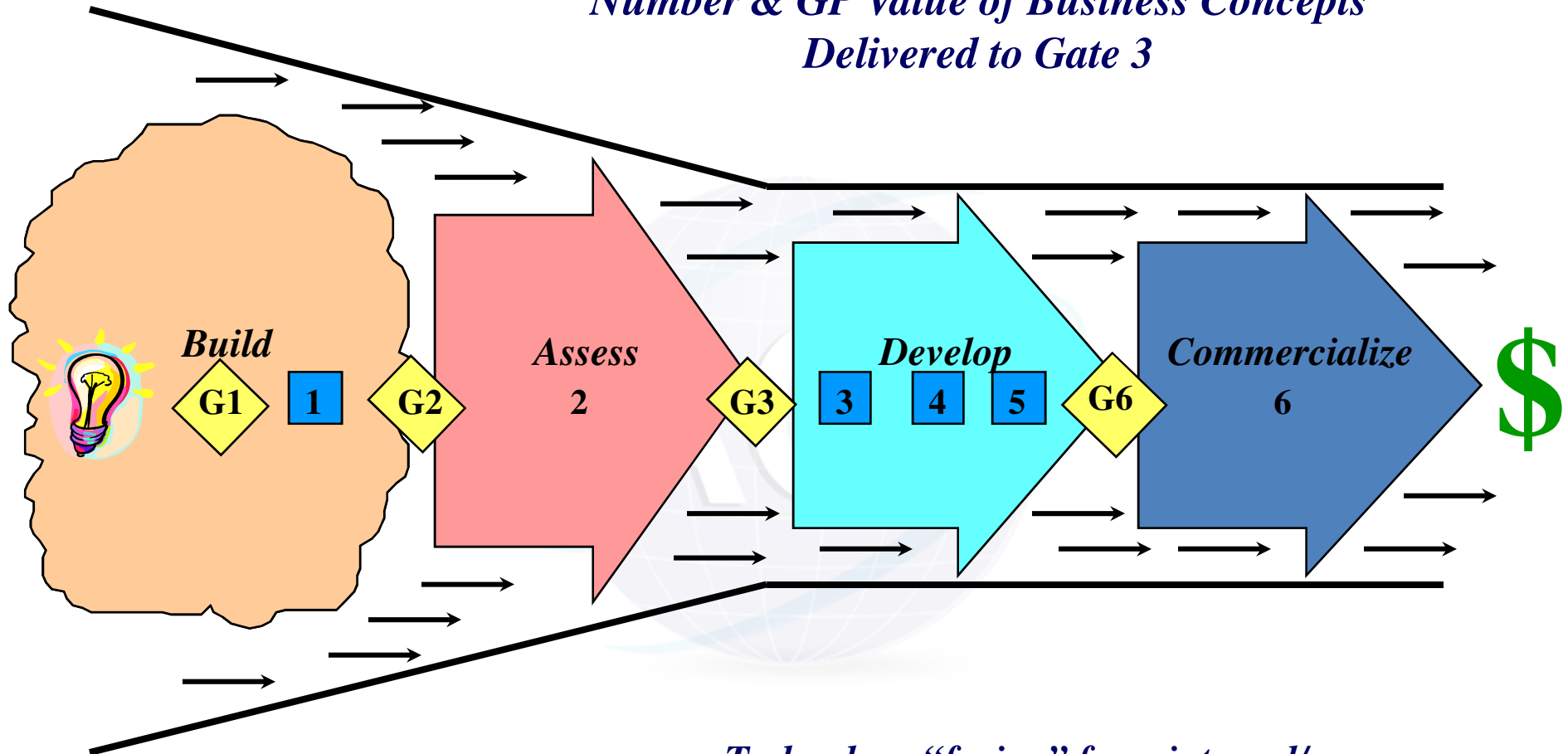


Tapping our Knowledge



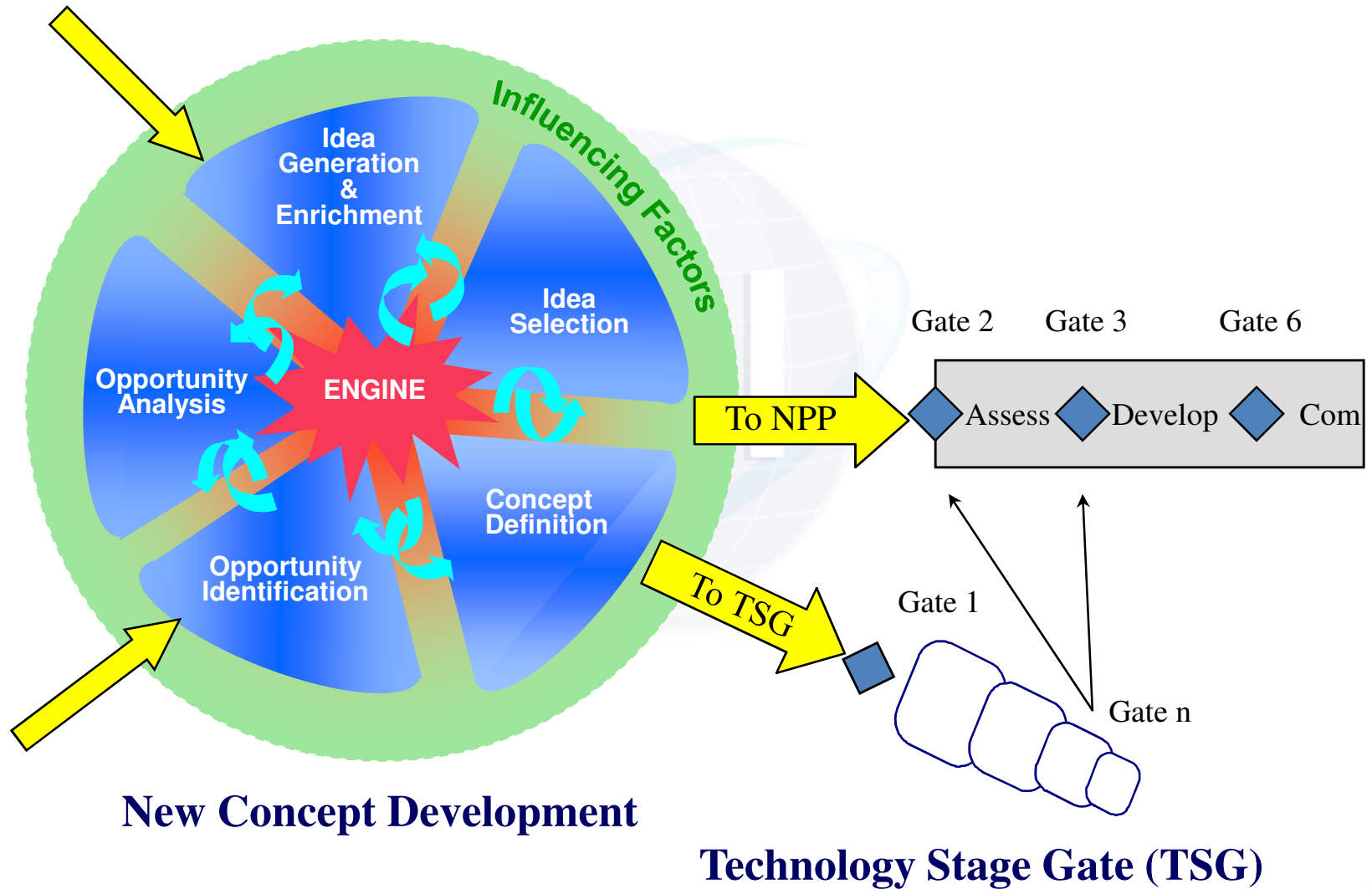
Structured Innovation Output

*Number & GP Value of Business Concepts
Delivered to Gate 3*

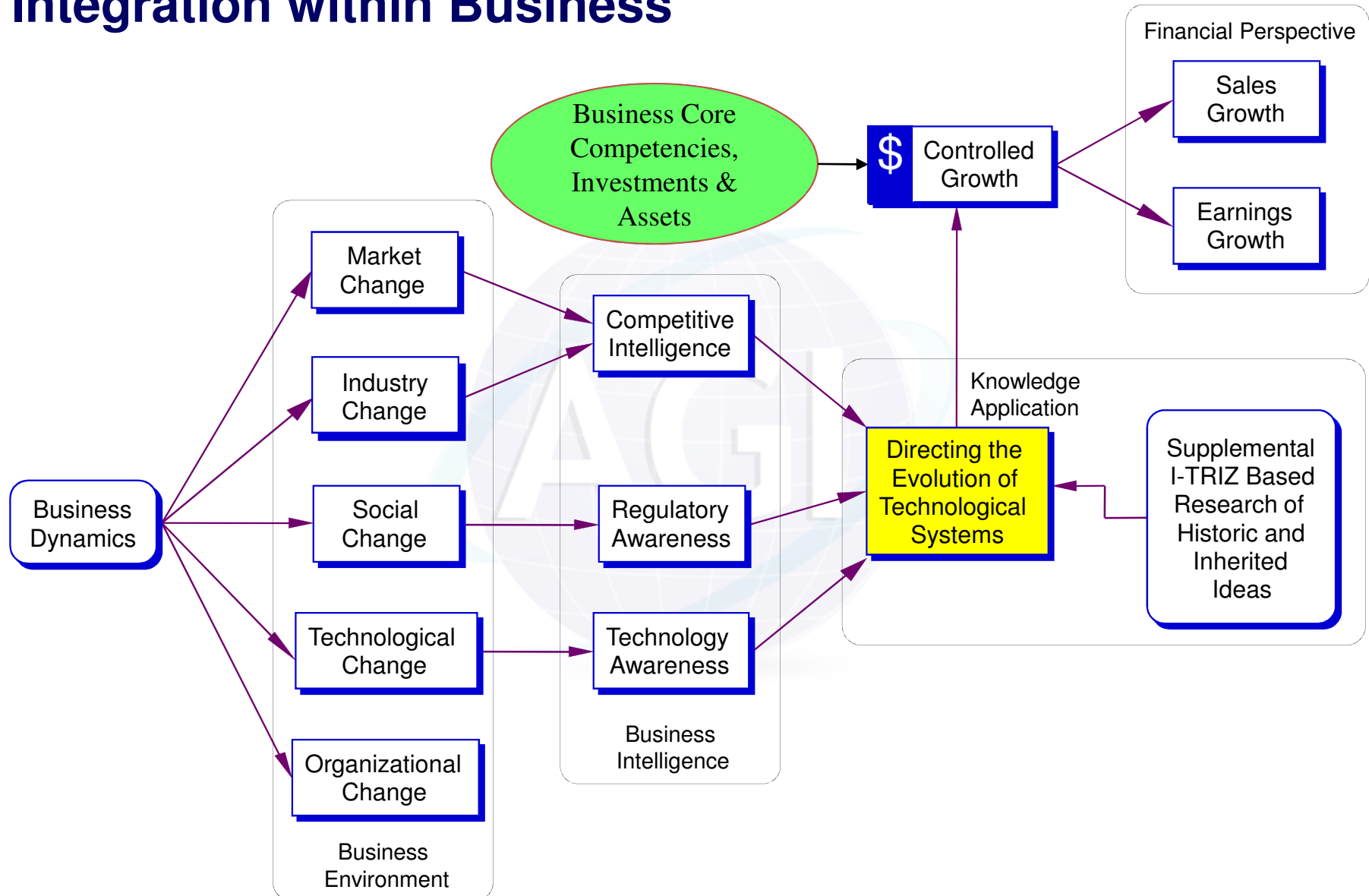


- *Technology “fusion” from internal/ external search coupled with Rapid Screening*
- *Cycle Time Compression*
-- *freed resources*

Structured Innovation



Integration within Business



Breaking the Market Constraint

- Use the TOC Thinking Processes to understand the undesirable effects of the customer that your organization can impact to create a competitive advantage.
- Typically organizations are looking for something they can do quickly to differentiate themselves from the competition. Usually this is accomplished by determining policies that affect the way existing products are offered that when changed solve some of the hefty undesirable effects of the customer.

Breaking the Market Constraint

- At the same time TRIZ can be used to help accelerate the time to invent a new product or service by providing accelerated education, innovative software tools and analytical services.
- Once the organization has the next invention scoped, TOC Project Management provides the knowhow for timely product development with the new products being launched on scope and on time while staying within budget.

