

Now's the Time to Shift Your Business Architecture Function to the Future



Mike J. Walker

Research Director – Strategist and Futurist

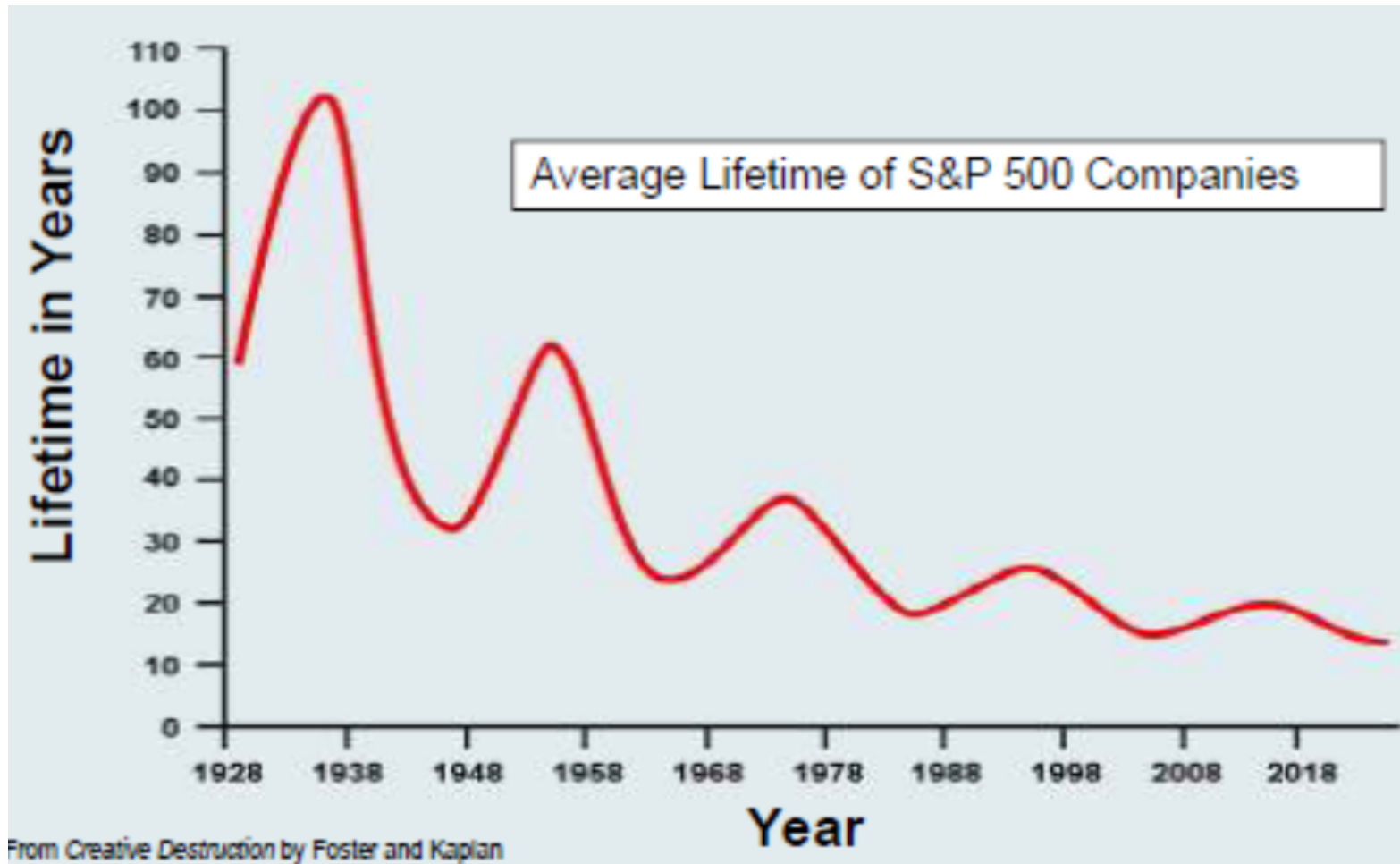
@mikejwalker | [More Info](#)



"It is not the **strongest** of the species that survive, nor the **most intelligent**, but the ones **most responsive to change.**"

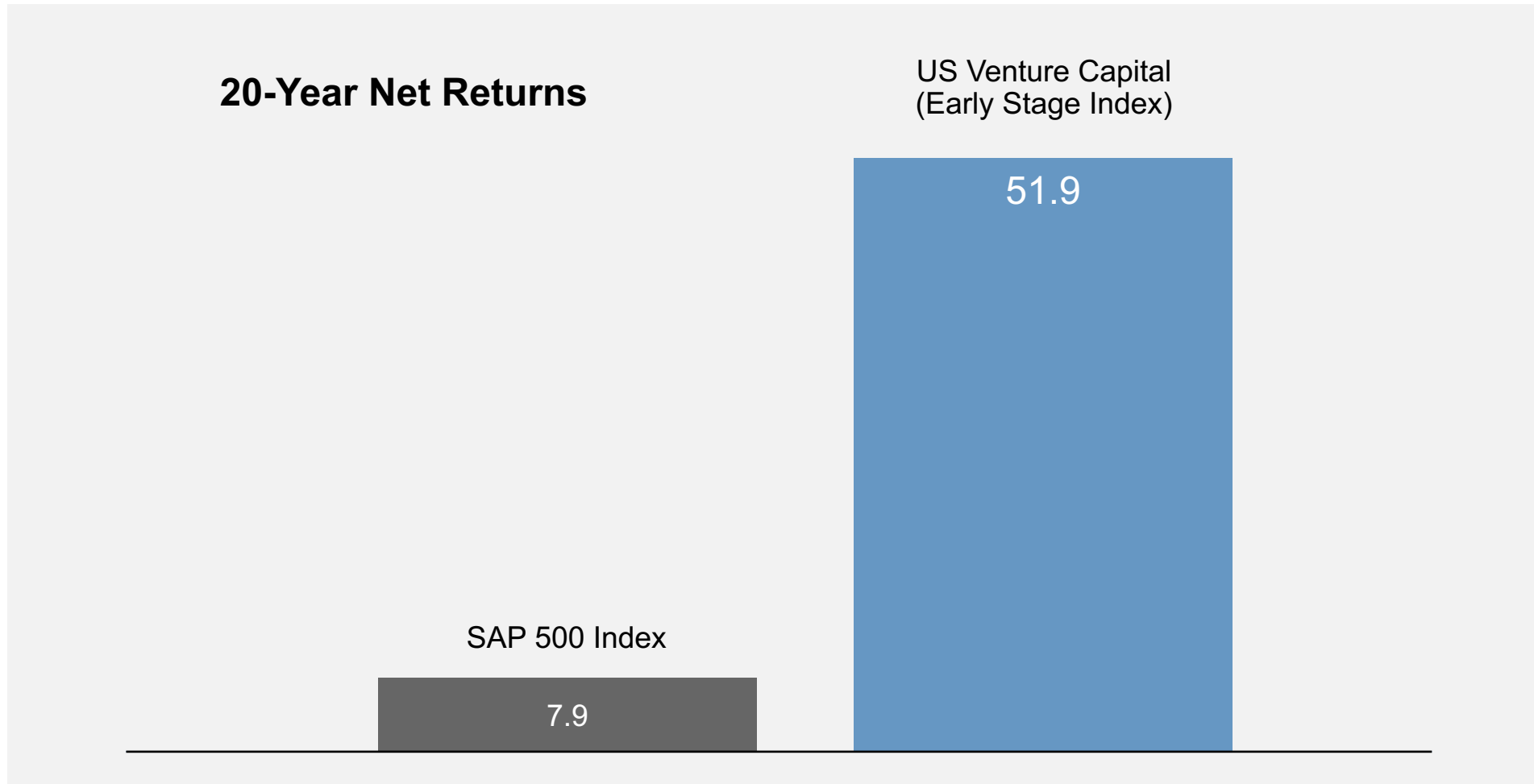
— Charles Darwin

Corporate **Vitality** is Plummeting



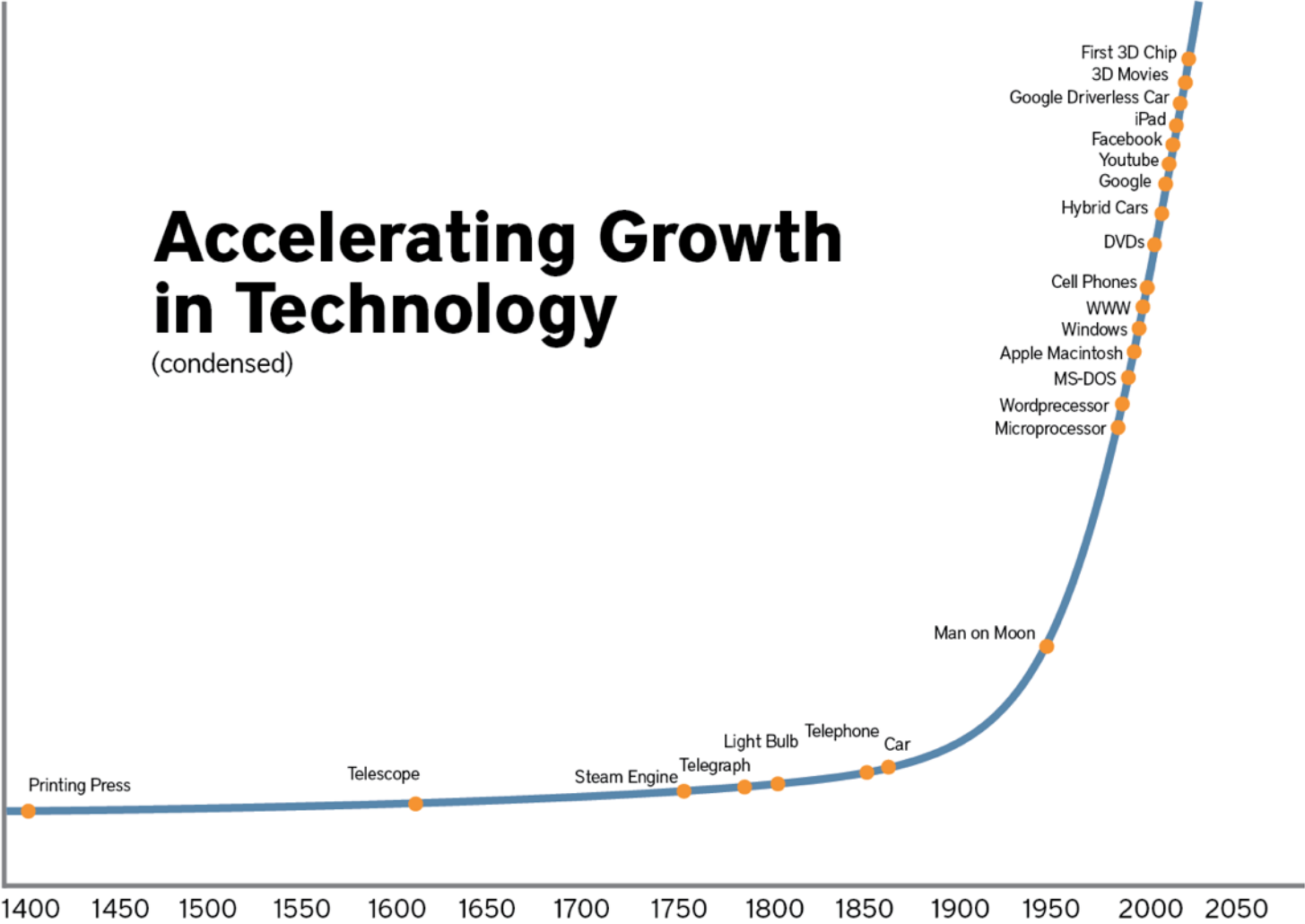
Average lifetime of S&P 500 companies has decreased from ~60 years to ~15 years.

Digital Age **Success** is Skyrocketing



Source: Cambridge Associates 2Q16 VC Benchmark

Exponential Growth of Technology



It's About Creating **New** Markets

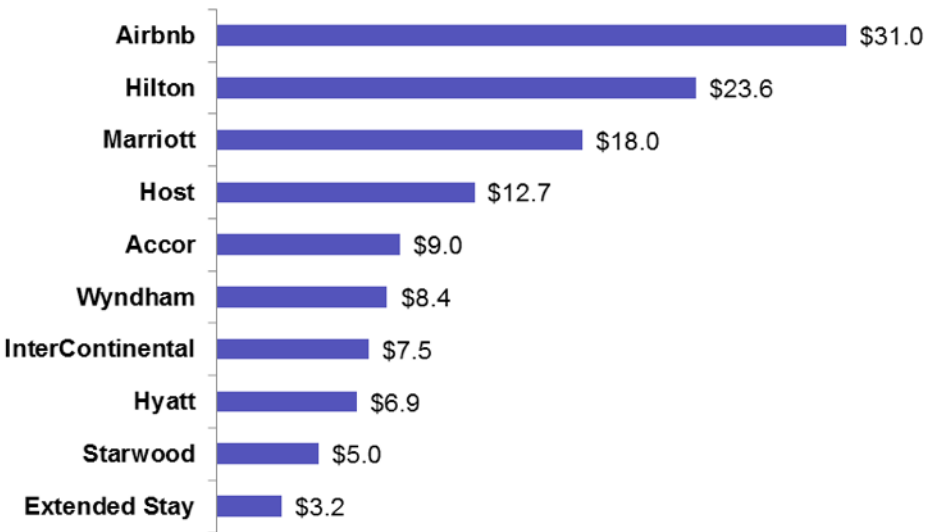


WARBY PARKER
eyewear



31b Valuation
2nd most valuable start-up

Hotel Company Market Cap/Valuation



The Hospitality Industry Reshaped

Hotel guests are greeted by 10 lifelike robots at Henn-na Hotel in Nagasaki, Japan, removing all human staff from reservations.



The Retail Industry Reshaped

Amazon patented delivery drones to get packages to you in half an hour, regardless of where you are. Dominos reinventing pizza delivery.



The Automotive Industry Reshaped

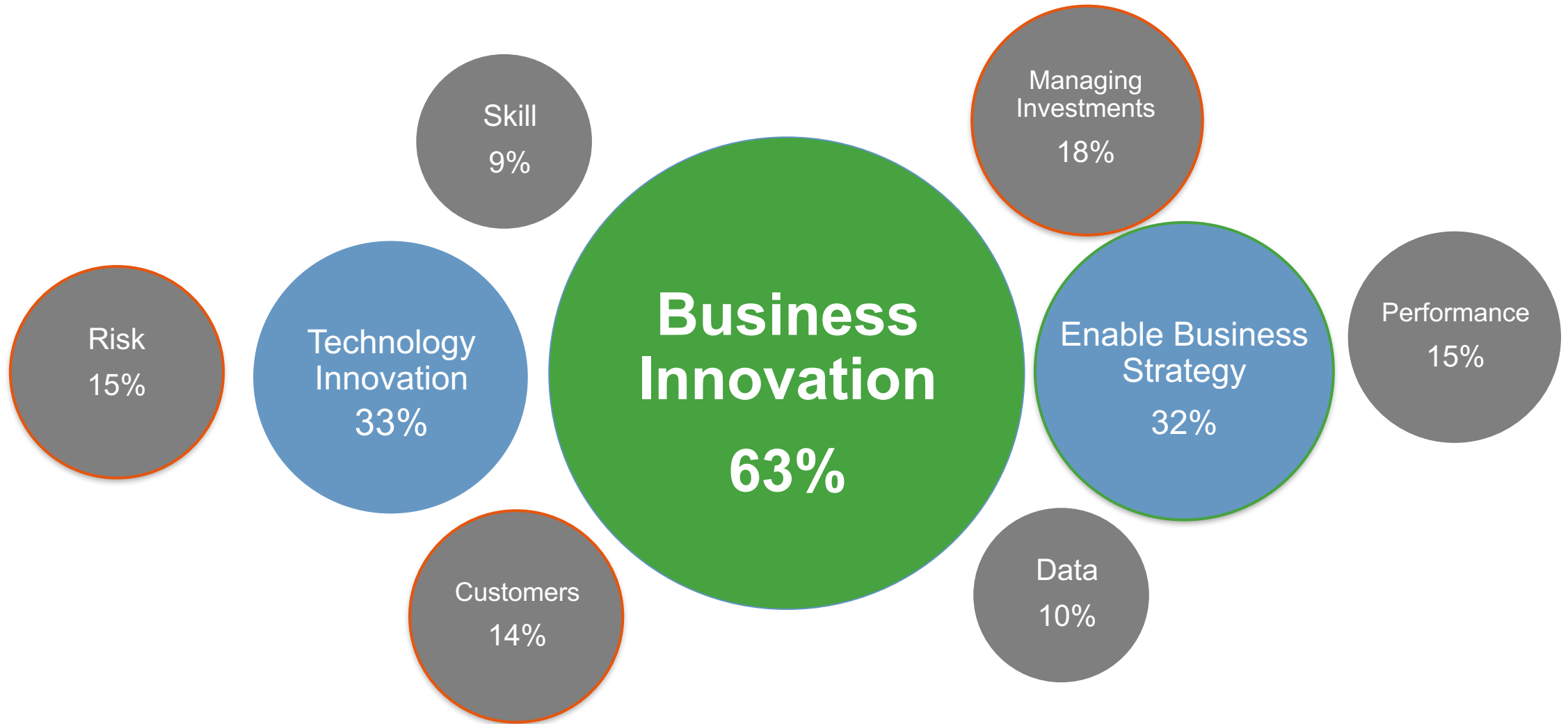
By 2030, Autonomous Vehicles Will Represent Approximately 25% of the Passenger Vehicle Population in Use in Mature Markets.



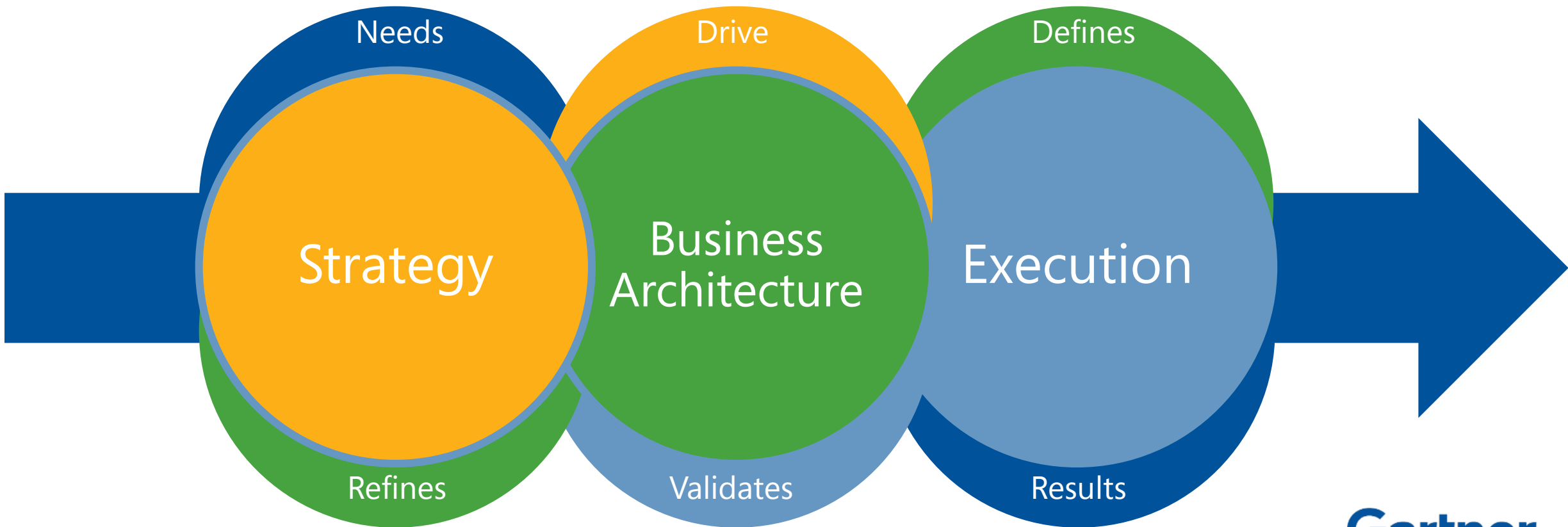
Disrupt or be Disrupted



The Shift of BA Priorities Is Clear



Business Architecture **Connects** Strategy to Execution



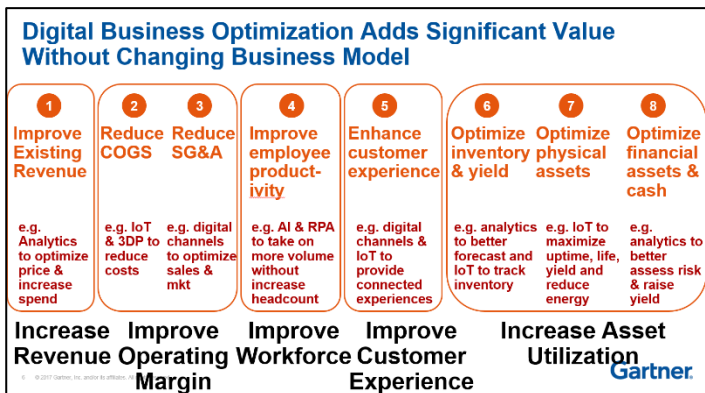
Business Architecture

A formal **method** and a set of **descriptions** that **distill** the business **environment** and the **needs** of a business into set of **models** representing business **information, concepts, value** and **risk** that are expressed through an **architectural view of a business.**

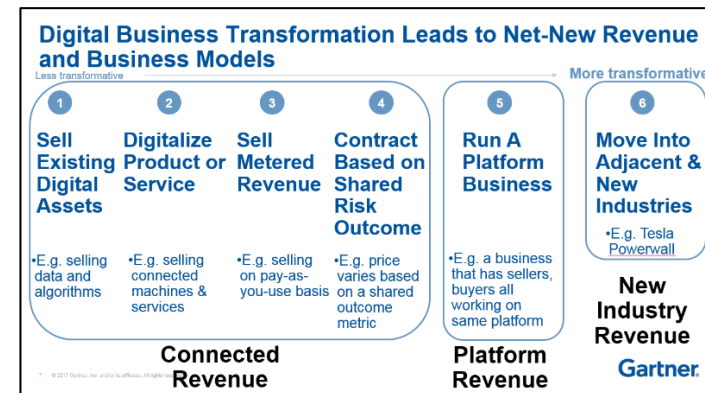
Business Architecture Adds Open Innovation

Which Path
Will You
Take?

Digital Business Optimization



Digital Business Transformation



L

Degree of Digital Impact & Value

H

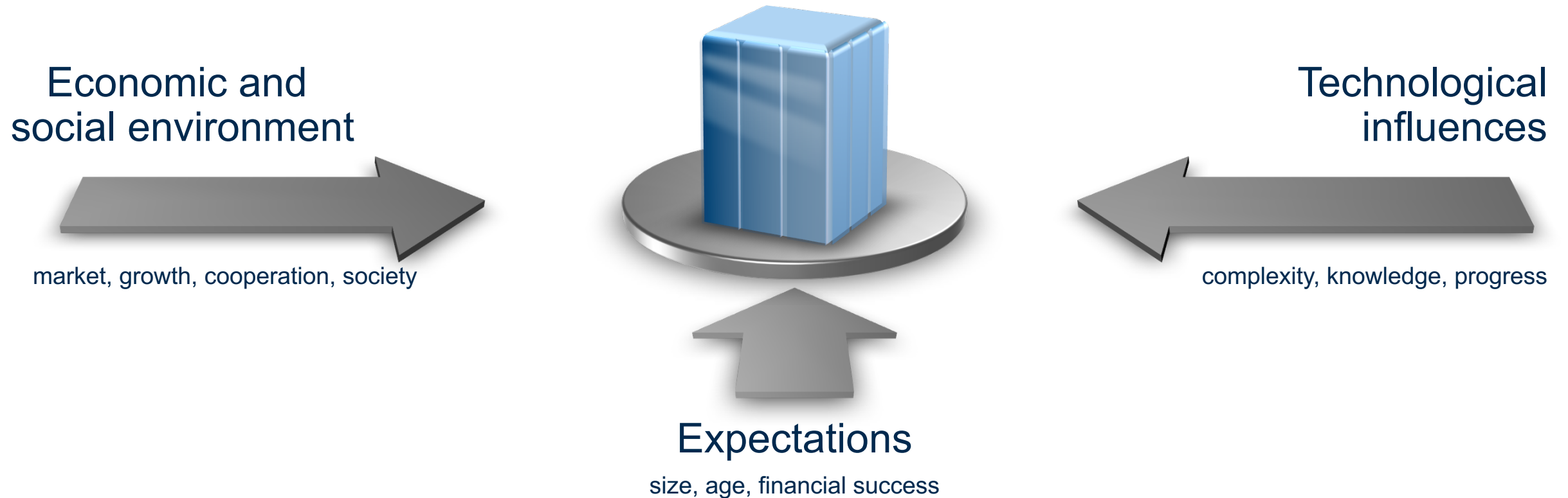
Improved Productivity and Existing Revenue

Better Customer Experience

Net-New Revenue Product and Services

New Business Models

Understand the Disruptions that will determine **your Strategy**



Explore Full Range of Trends



Top **Five** Business and Societal Trends

1

A Hyper Aging Society

2

Mass Urbanization Emerges

3

Rise of the Millennial Mindset

4

The Sharing Economy

5

Emerging Markets Continuously Adjust

Changes in the Business Architecture Approach



Adopt an Approach that Connects Idea to Execution



Disruptive
Idea



Innovative Approaches



Highly Tailored

Focused

Unconstrained



Actionable
Digital Initiatives

Three Steps to Understanding Digital Disruptions

1

Explore

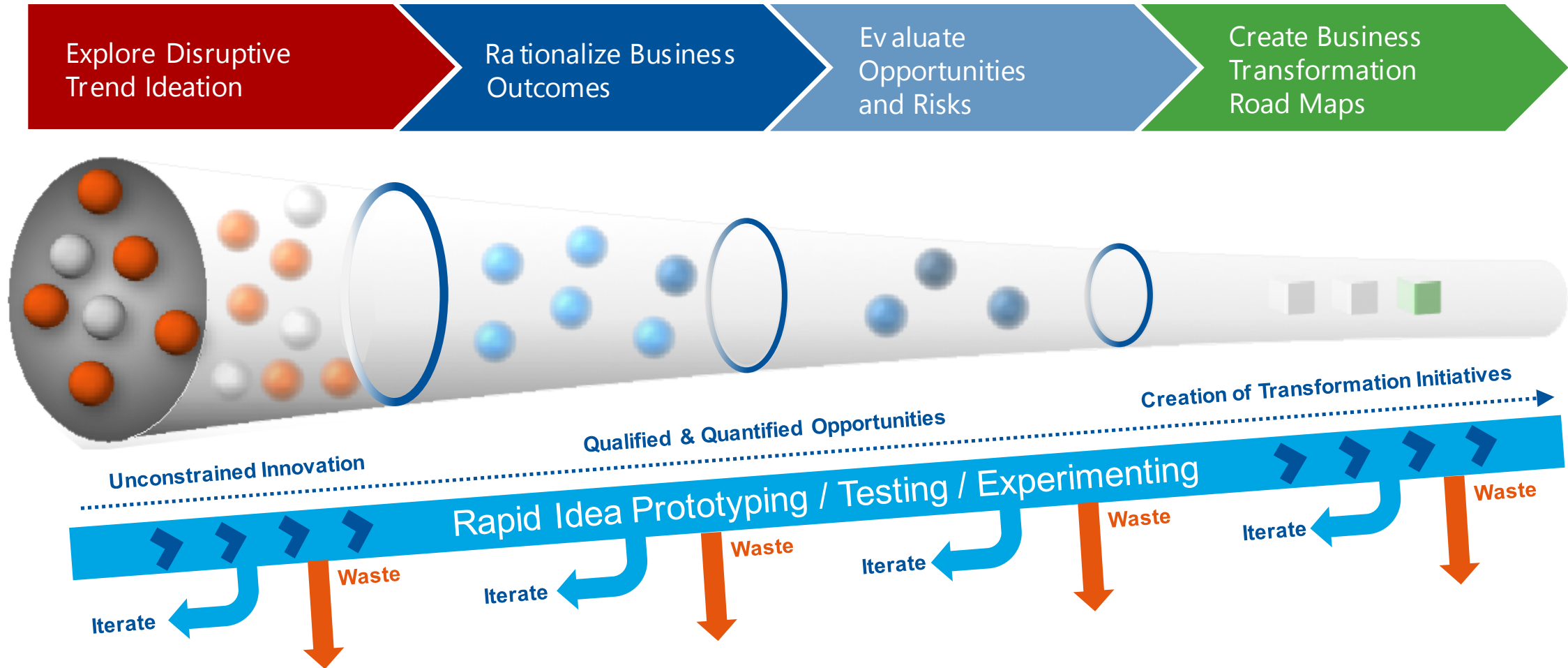
2

Rationalize

3

Realize

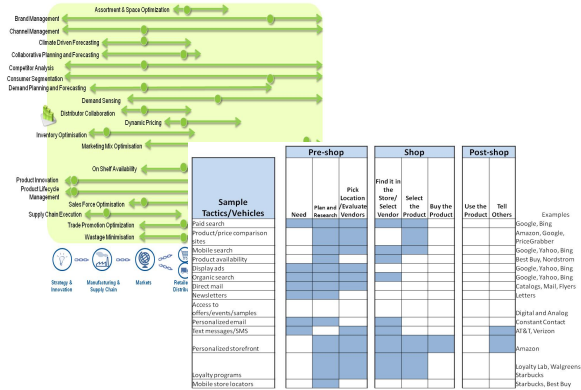
Define an Open Innovation-Led Approach



Business Architecture Fuels Digital Business Strategy

Business Strategy:

- Business moments
- Business outcomes
- Business triggers



Business Benefit Analysis:

- Assess the digital enterprise opportunity and the key business benefits — looking at growth, services, costs and agility
- Prioritize business capabilities and associated disruptive digital technologies based on analysis of business value and impact



A Mobile Future:

- Empowered customers
- Digital advisor in your pocket

Economic Uncertainty:

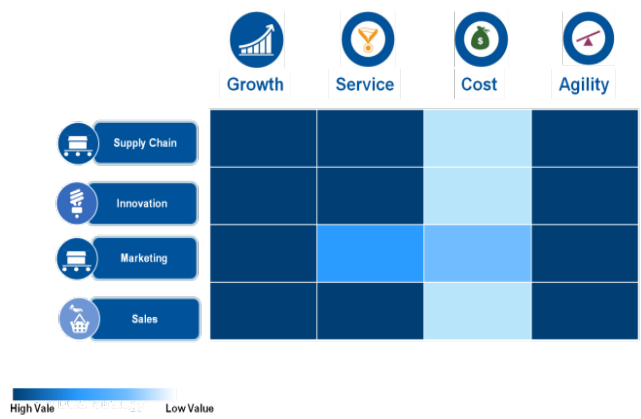
- Consumers withdraw
- Demand stagnates

Hyperdigitization:

- Digital everything
- Low barriers to entry

Business Capabilities and Technology Requirements:

- Identify business capabilities that can be enabled by disruptive technologies and business designs
- Identify the key disruptive digital technologies and services that could enhance key business capabilities



Summary Approach Stages

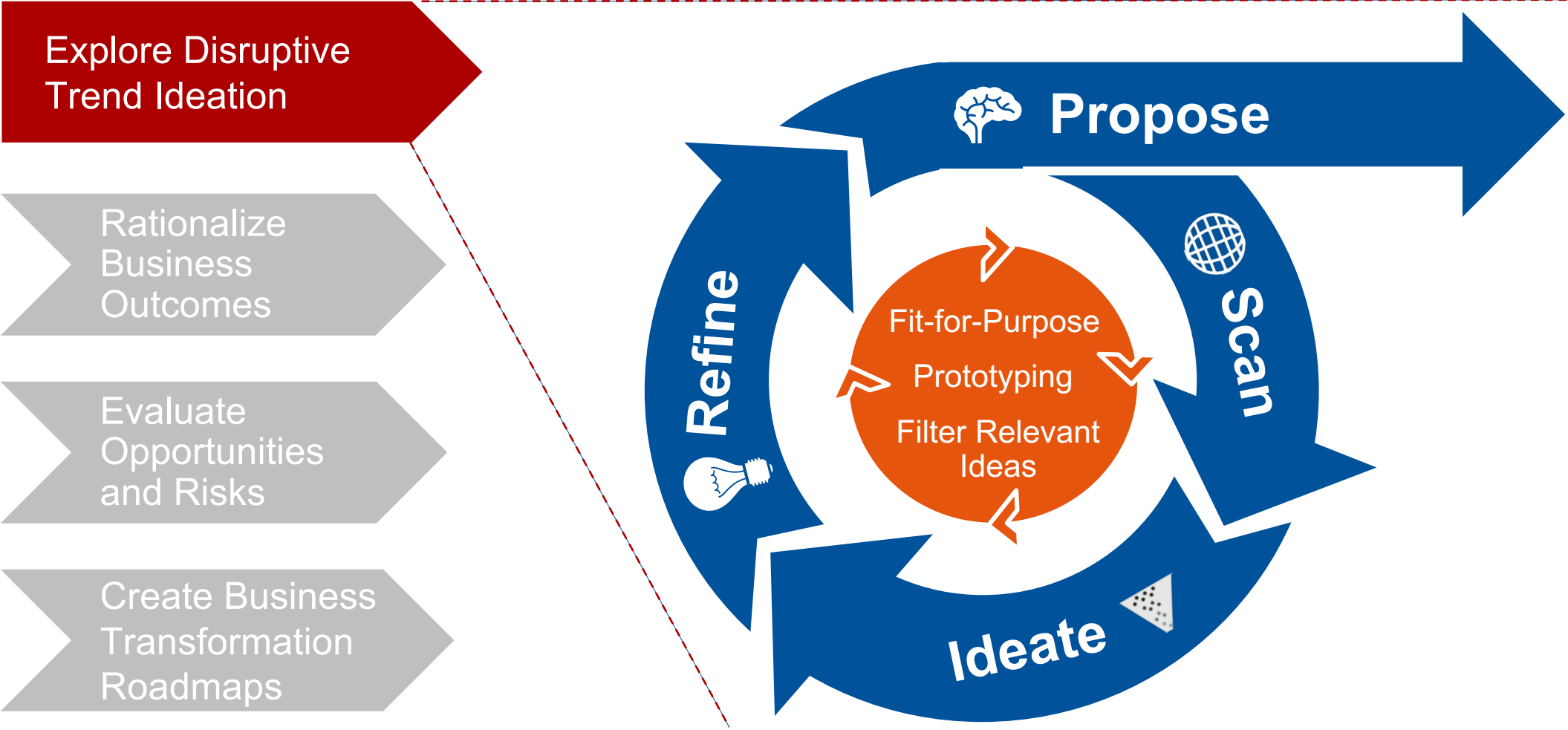
1

Explore Disruptive Trend Ideation

Identify highly impactful disruptions that can be ideated to determine their strategic fit.

Outcomes: Well understood impacts of disruptions, highly impactful list of ideated technologies and opportunities.

Ideation Is Iterative: Understand the Disruptions, and Ideate to Create Opportunities



Example: Opportunity and Threat Grid

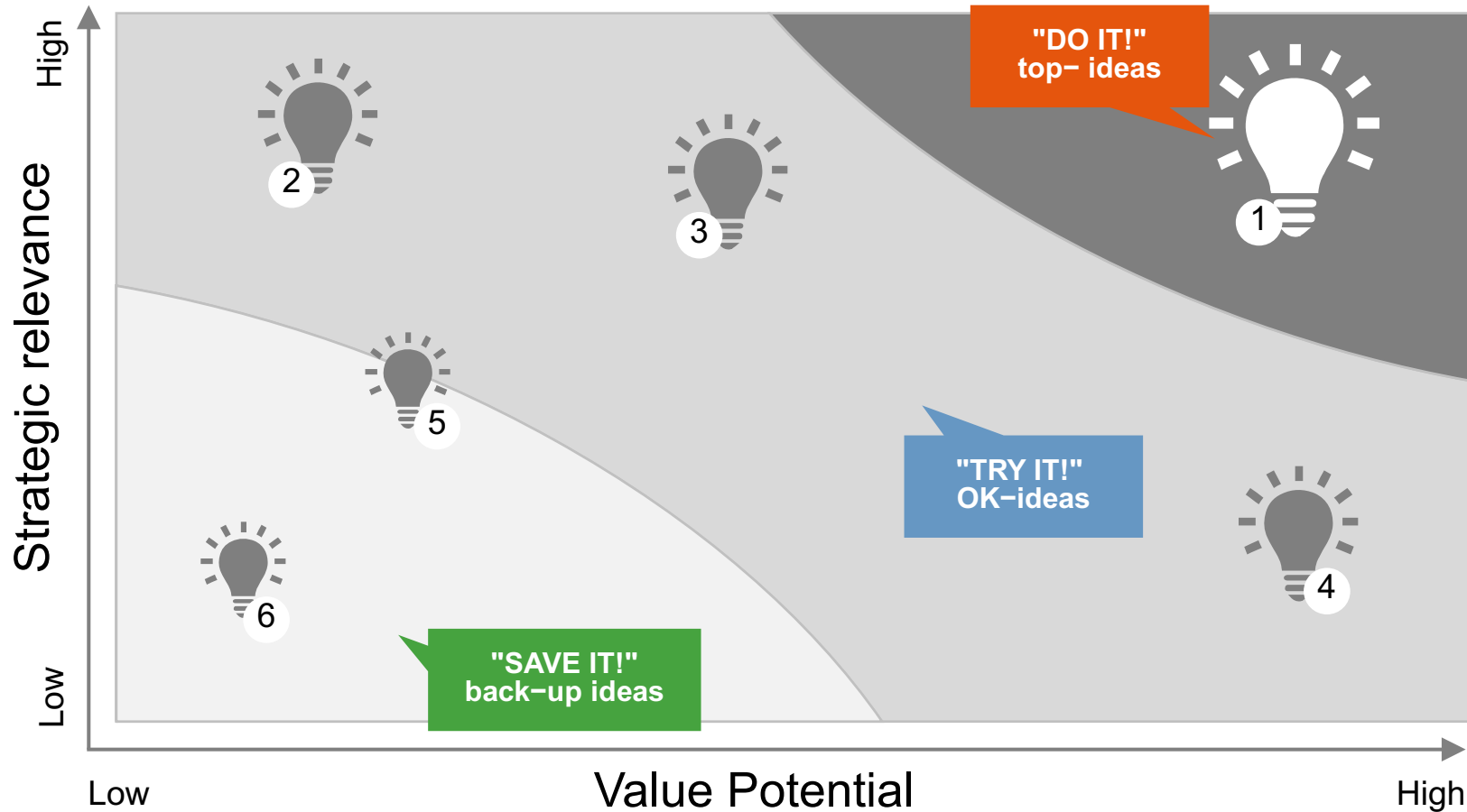
Emerging Trend	Potential Opportunities	Challenges
Societal <div>Majority of population will live in cities.</div>	<div>Higher market potential.</div> <div>Effective asset deployment.</div> <div>Take share from smaller players</div>	<div>Higher operating costs.</div> <div>Competition.</div> <div>Rural operations?</div>
Business <div>Millennial workforce.</div>	<div>Drive innovation.</div> <div>Build future leaders.</div>	<div>Traditional workplace.</div> <div>Competing for talent.</div>
Technology <div>Drones.</div>	<div>Faster and more reliable property appraisal.</div> <div>Fraud detection on foreclosures.</div>	<div>Airspace regulations.</div> <div>Customer privacy.</div>

Explore and Qualify Ideas

NAME/TITLE OF THE IDEA		...	
TYPE OF INNOVATION		<input type="radio"/> Radical Innovation	<input type="radio"/> Improving Innovation <input checked="" type="radio"/> Routine Innovation
DESCRIPTION		BENEFITS/ADVANTAGES	
OBJECTIVES		RISKS	
FEASIBILITY OF THE IDEA		MARKET POTENTIAL	
NECESSARY INVESTMENTS		COMPLEMENTS STRATEGY	
CONCLUSION		OVERALL EVALUATION	

Not all Ideas are Equal

Matrix with strategic relevance and the potential value derived from the idea



- ① Name of the idea
Description
- ② Name of the idea
Description
- ③ Name of the idea
Description
- ④ Name of the idea
Description
- ⑤ Name of the idea
Description
- ⑥ Name of the idea
Description

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Rationalize Business Outcomes

Qualify the strategic value and feasibility of a set of disruptive opportunities.

Outcomes: Identification of strategically aligned opportunities, business impacts analyzed, and identified digital transformation

Humanistic Driven Innovation

Digitalized Shopping Experience: Purchases

Scenario Description

Create enhanced customer experience to drive increased customer loyalty in target markets and age groups 16 to 25 and thus increase sales by 20% with seamless cross Internet, mobile and physical experiences.

Step 1

Engaged experience



Digital customer experience enabled in store

Step 2

Digital interaction



Interaction with shelves lighting up, extended information on phone, and related products.

Step 3

Simple purchasing



Mobile device adds product to the digital shopping cart.

Step 4

Pay now, deliver later



Customer wants to continue shopping at other establishments in the area. Customer uses mobile application to trigger same day delivery of the purchases.

Step 5

Always notified



Notification that package was delivered

Required Inputs

- Existing mobile apps will need to support in-store experiences
- Shelf sensors, RFID tags, beacons and other enabling Wi-Fi technology

Change Required

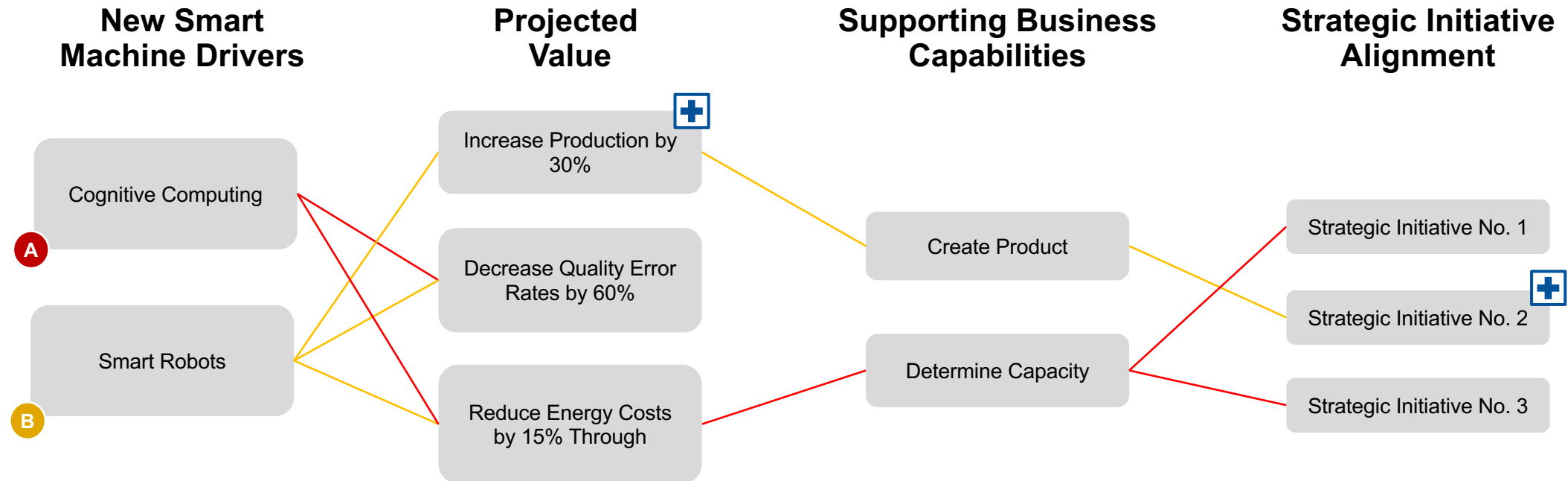
- Business process streamlining of end-to-end distribution
- Changes in the following systems: point-of-sale systems, payment systems and inventorying systems

Business Outcomes

- Create a new business model to increase competitive position.
- Increase sales by 20%.
- Enable seamless cross Internet, mobile and physical experiences.

Tracing Value to Business Outcomes

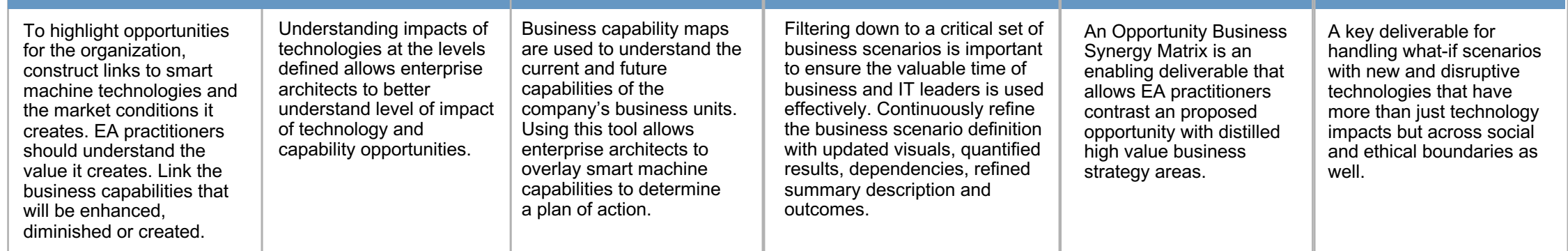
Tracing why and how value is generated from smart machines technologies (or from the market conditions they create as drivers) is essential. It's imperative for EA practitioners to create diagnostic deliverables that illustrate value in the context of business outcomes.



n Disruptive trend identification

+ Identification of new capability or value as a result of a disruptive trend

Qualify the strategic value and feasibility of a set of disruptive opportunities. With the goal of identifying strategically aligned opportunities, business impacts analyzed, and identified digital transformation.



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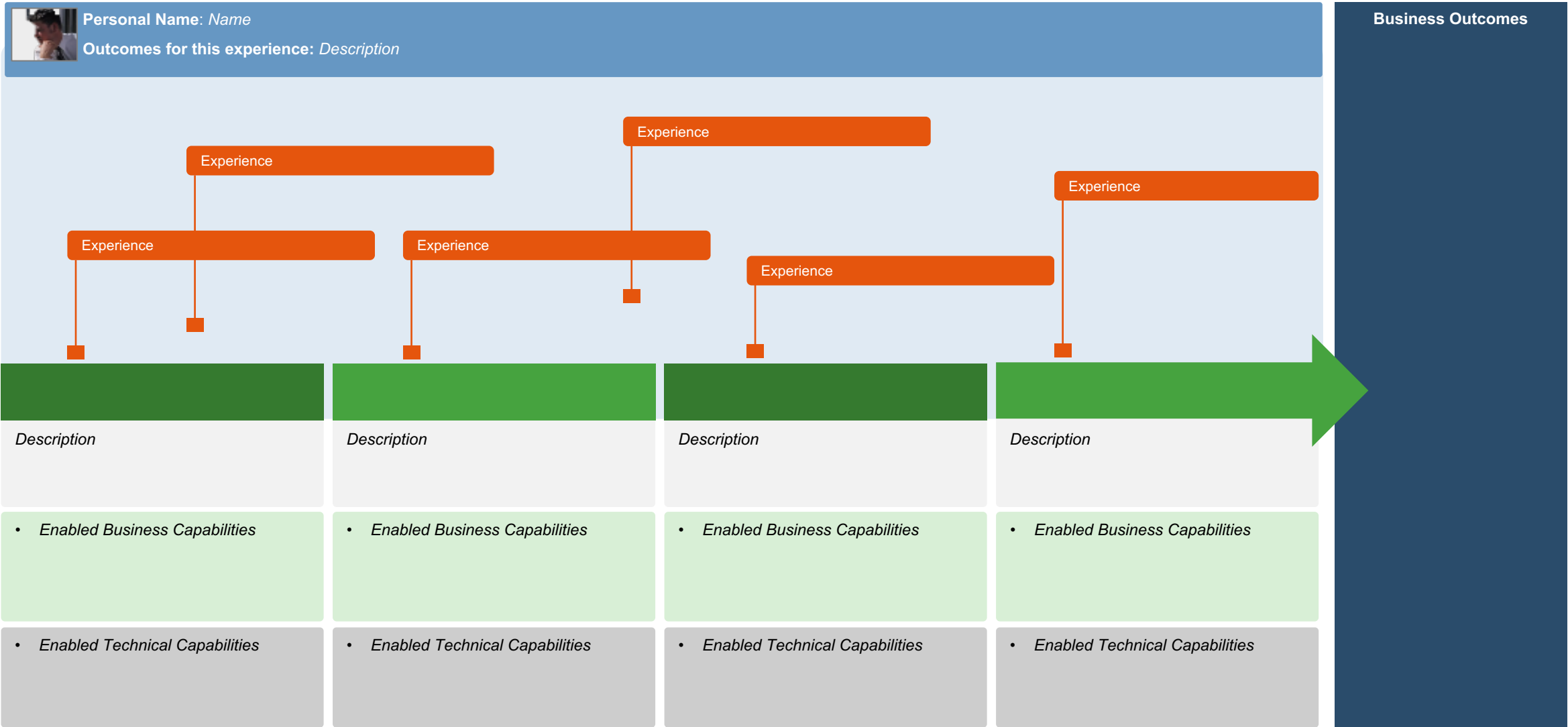
3

Evaluate Opportunities and Risks

Quantifiably value the benefits and risks of an opportunity to determine business viability.

Outcomes: Quantified opportunities through a risk-adjusted valuation based on opportunity benefit and risk tolerance

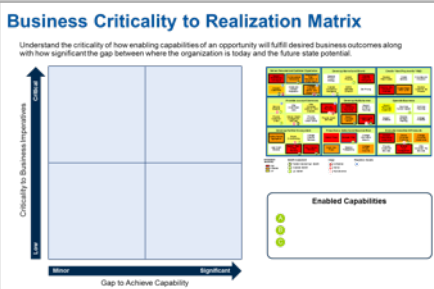
Business Outcomes Journey Map



Evaluate Opportunities and Risks

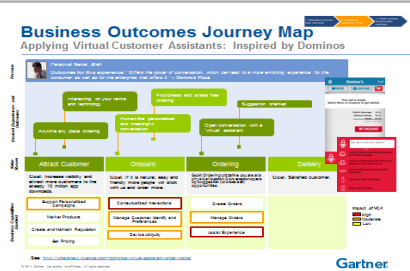
Qualify the strategic value and feasibility of a set of disruptive opportunities. With the goal of identifying strategically aligned opportunities, business impacts analyzed, and identified digital transformation.

Business Criticality to Realization Matrix



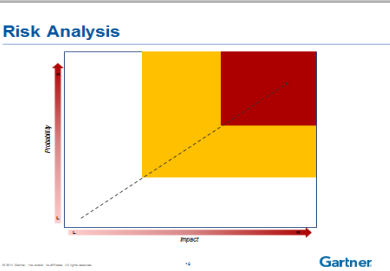
Understand the criticality of how enabling capabilities of an opportunity will fulfill desired business outcomes along with how significant the gap between where the organization is today and the future state potential.

Business Outcomes Journey Map



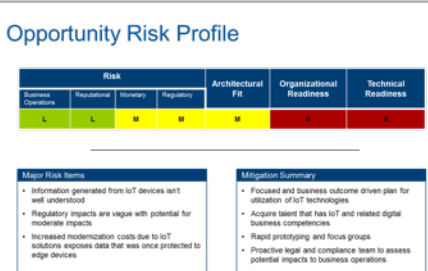
Used to help EA practitioners in having a macro framework to tie experience and focus on the capabilities that the organization needs to deliver to achieve its strategy.

Risk Assessment



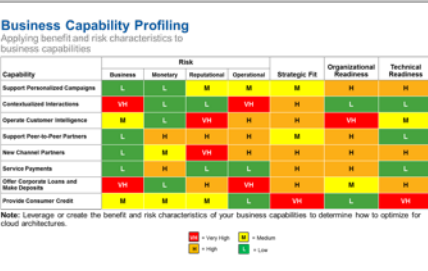
Assessing how an opportunity will impact an organization is a critical component to ensuring that the opportunity is a value-add viable opportunity that doesn't put the organization at unneeded risk.

Opportunity Risk Profile



An Opportunity Risk Profile provides business leaders with the risk adjusted value of a proposed opportunity based on specific risks such as reputational, business, monetary, etc.

Business Capability Profiling



A tool that allows EA practitioners classify business capabilities with risk and benefit measures.

Diagnostic Deliverables

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4

Create Business Transformation Road Maps

Creation of a highly actionable set of strategic options for business and IT leaders.

Outcomes: Opportunities shift to actionable initiatives with options-based transformation plans.

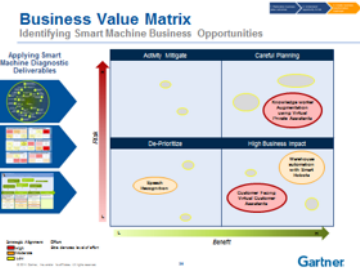

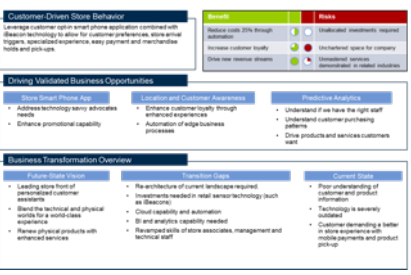
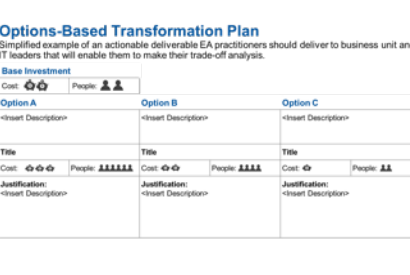

Opportunity on a Page

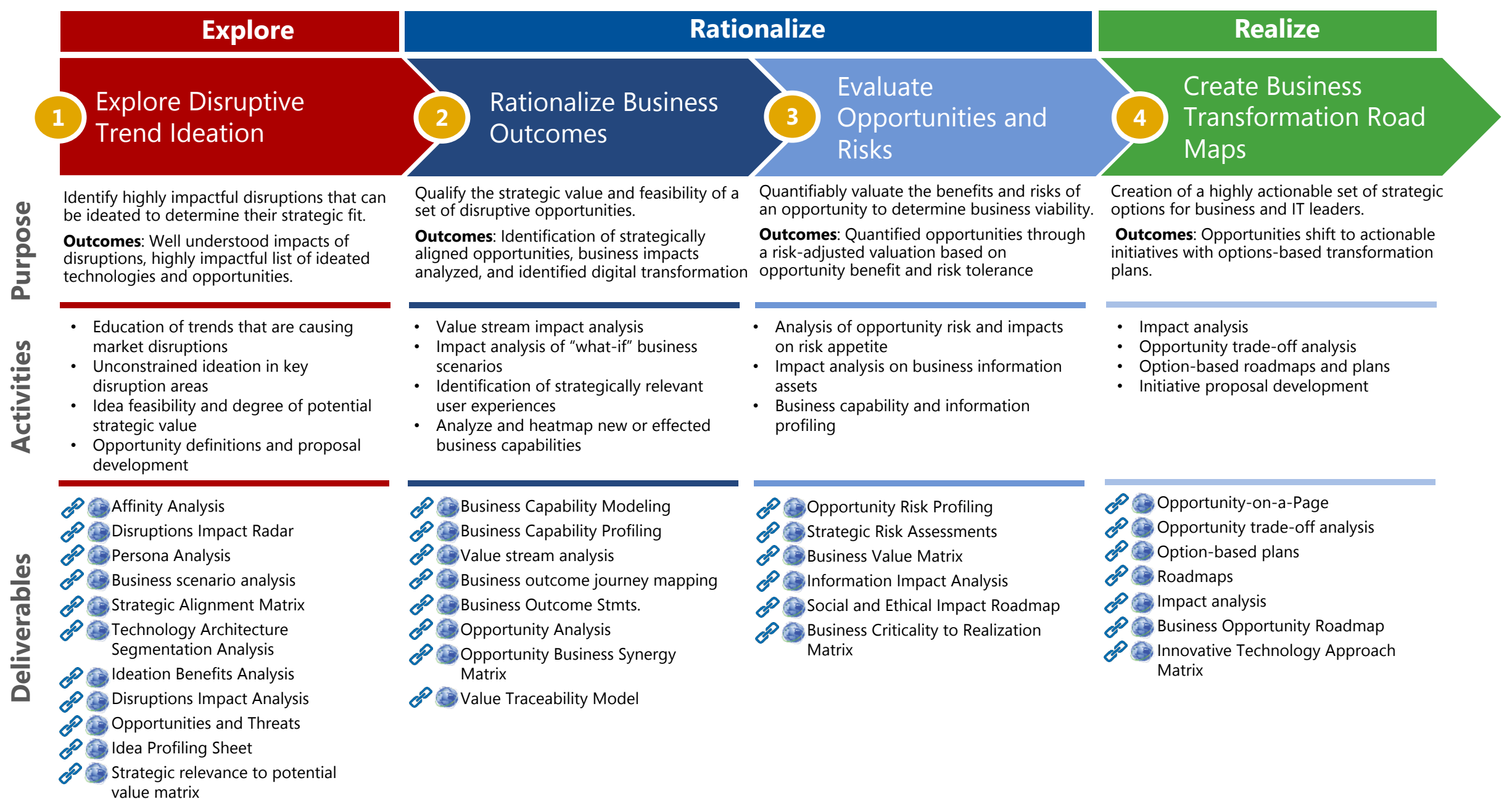
Initiative Overview										
<Insert Description>										
Value <small>(scale: 1 – value not likely realized, 5 – value very likely realized)</small>						Risk <small>(scale: 1 – marginal risk, 5 – likely catastrophic damage)</small>				
Key Benefits		•				Key Risks/Challenges		•		
Technology Benefits	Business Unit Benefits	Customer Benefits	Competitive Benefits	Corporate Benefits	<div><></div> <div>Highest Value</div>	Business Risk	Governance Risk	Technical Risk	Operational Risk	<div><></div> <div>High Risk</div>
<>	<>	<>	<>	<>		<>	<>	<>	<>	
Readiness										
Technical Readiness					Organizational Readiness					
Maturity	Integration Dependencies			Technical Readiness Score	Organizational Concerns		Staff Concerns		Organizational Readiness Score	
				<div><></div> <div>Proven Technology</div>					<div><></div> <div>Prepared Organization</div>	

The Digital Transformation Framework

Creation of a highly actionable set of strategic options for business and IT leaders that shifts opportunities to actionable initiatives with options-based transformation plans.

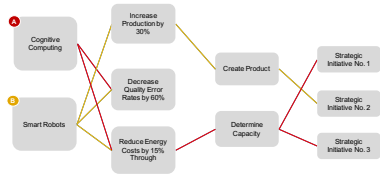


Business Value Matrix	Roadmaps	Opportunity On a Page	Options-Based Transformation Plan	Innovative Technology Approach Matrix
				
Understand the criticality of how enabling capabilities of an opportunity will fulfill desired business outcomes along with how significant the gap between where the organization is today and the future state potential.	Used to help EA practitioners in having a macro framework to tie experience and focus on the capabilities that the organization needs to deliver to achieve its strategy.	Assessing how an opportunity will impact an organization is a critical component to ensuring that the opportunity is a value-add viable opportunity that doesn't put the organization at unneeded risk.	Simplified example of an actionable deliverable EA practitioners should deliver to business unit and IT leaders that will enable them to make their trade-off analysis.	By understanding the source technologies and the level of innovation that the business will support or is tolerable will help EA practitioners identify which solutions will be the appropriate fit for the organization.
Diagnostic Deliverables				



Using Gartner Research for your Innovation Efforts

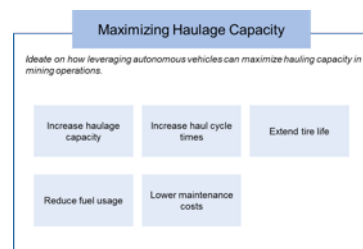
Value Traceability Model



To highlight opportunities for the organization, construct links to the business capabilities that will be enhanced, diminished or created.

See: ["Toolkit: What Enterprise Architects Need to Know About Smart Machines"](#)

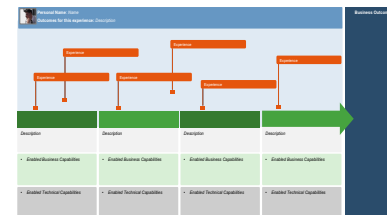
Affinity Analysis



Grounding technology innovation in the context of business issues or gaps. Using this technique surfaces the views, ideas and responses to issues, including the emotional and behavioral aspects.

See: ["Toolkit: What Enterprise Architects Need to Know About Smart Machines"](#)

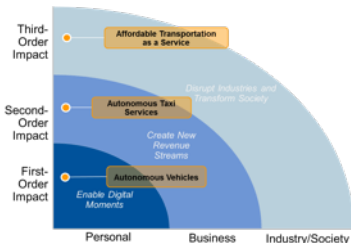
Business Outcomes Journey Map



Understanding business outcomes in terms of experiences to be enabled by the capabilities that are delivered is a key way to ensure that business outcomes are maximized.

See: ["Toolkit: How EA Enables Digital Humanism via Business Outcomes Journey Maps to Exploit Digital Disruptions"](#)

Business Impact Analysis



Tool to understand direct and indirect impacts of technologies.

See: ["Toolkit: What Enterprise Architects Need to Know About Smart Machines"](#)

Business Capability Analysis



Business capability maps are used to understand the current and future capabilities of the company's business units.

See: ["Toolkit: Business Capability Modeling Workshop"](#)

Business Scenario Analysis



Filtering down to a critical set of business scenarios is important to ensure the valuable time of business and IT leaders is used effectively.

See: ["Toolkit: How to Create Business Scenarios That Drive Digital Disruption Innovation"](#)

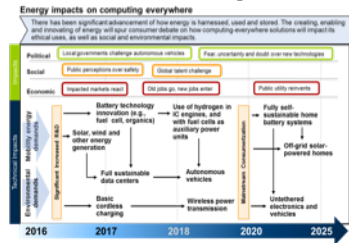
Opportunity Business Synergy Matrix

Opportunity Description	Strategic Focus	Alignment	Benefits	Risks
Market Scope	Core customer base with expansion into new	High	Substantial revenue growth potential	Highly competitive market
Differentiation	No other companies like the cover of our core business	High	Highly competitive market	Highly competitive market
Core Capabilities	Data services high	Medium	Core differentiator expected to be well understood	Additional skills will be required
Core Competencies	Data communications expertise	Medium	Core differentiator expected to be well understood	Additional skills will be required
Strategic Assets	AI capabilities, robust network, low latency	High	Additional of customer value provided	Additional of customer value provided
Customers	Consumers aged 21 to 35	Medium	Target customer segment highly profitable	Highly competitive market

Contrasts a proposed opportunity with distilled high value business strategy areas.

See: ["Toolkit: What Enterprise Architects Need to Know About IoT Technologies"](#)

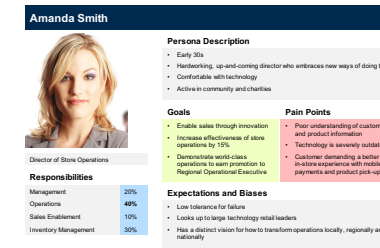
Social and Ethical Roadmap



Defines what-if scenarios with new and disruptive technologies that have more than just technology impacts but across social and ethical boundaries as well.

See: ["Toolkit: What Enterprise Architects Need to Drive Computing-Everywhere Strategies"](#)

Persona



Aids in driving decisions and providing recommendations, whereby increasing understanding about many people through abstracting them into an archetype.

See: ["Toolkit: Workshop for Creating EA Personas in Digital Business Diagnostic Deliverable Analysis"](#)

For more information, stop by Gartner Research Zone.

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