





# PLM *Consumer Packaged Goods and Life Sciences*

*IBM PLM Solutions  
2003*

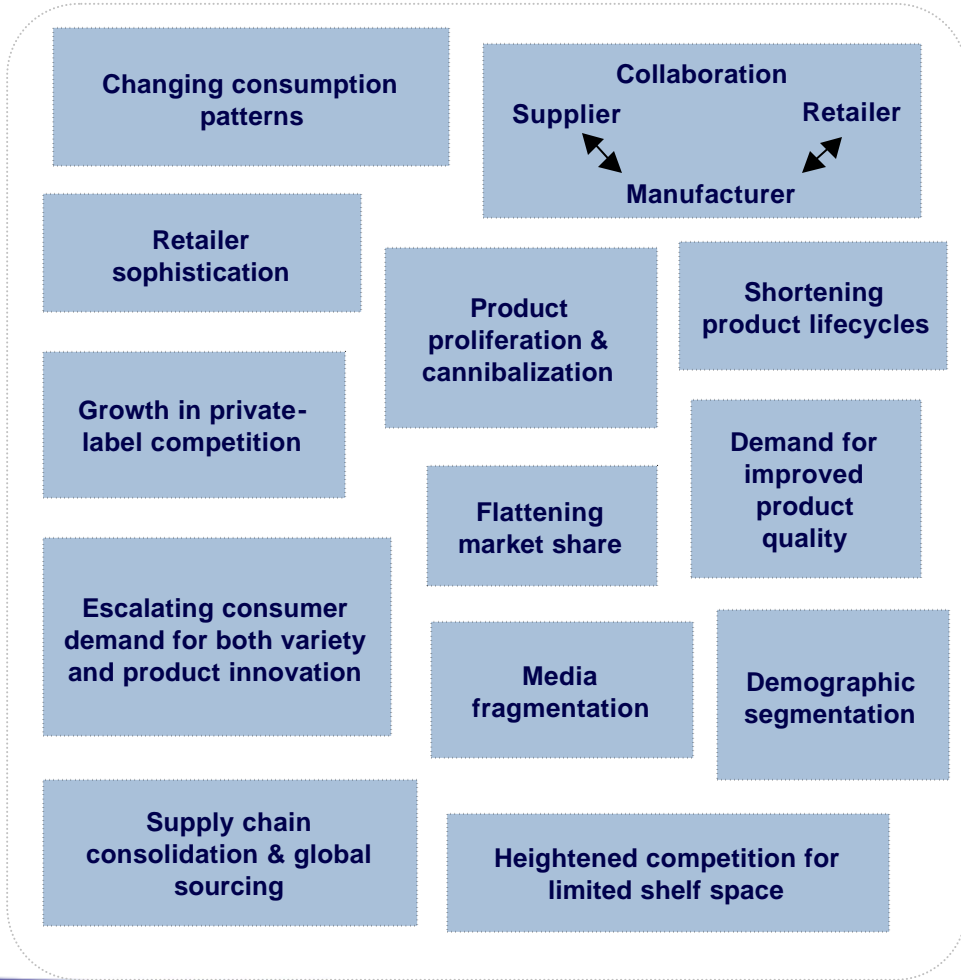
# ***I. Industry POV***

## Typical CPG Product-to-Market Objectives

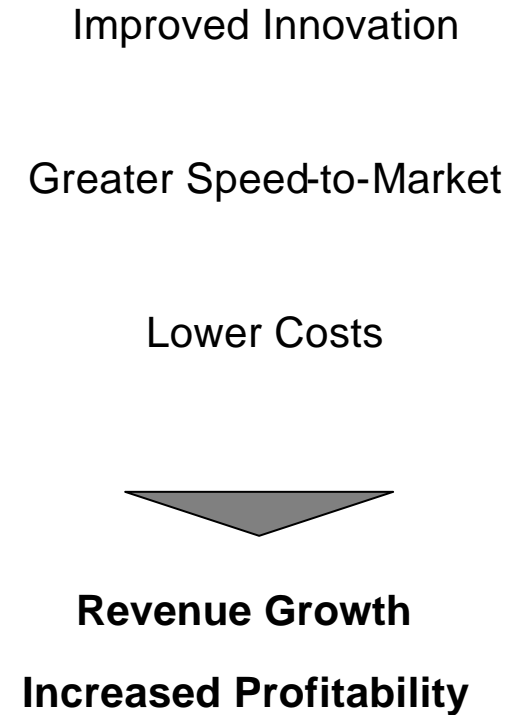
-  **Launch new products that succeed with consumers**
-  **Get new products to market faster**
-  **Reduce costs and process inefficiencies**
-  **Improve payback, share & return on investment**

# Major Marketplace Forces

## Primary Industry Forces



## Core Objectives

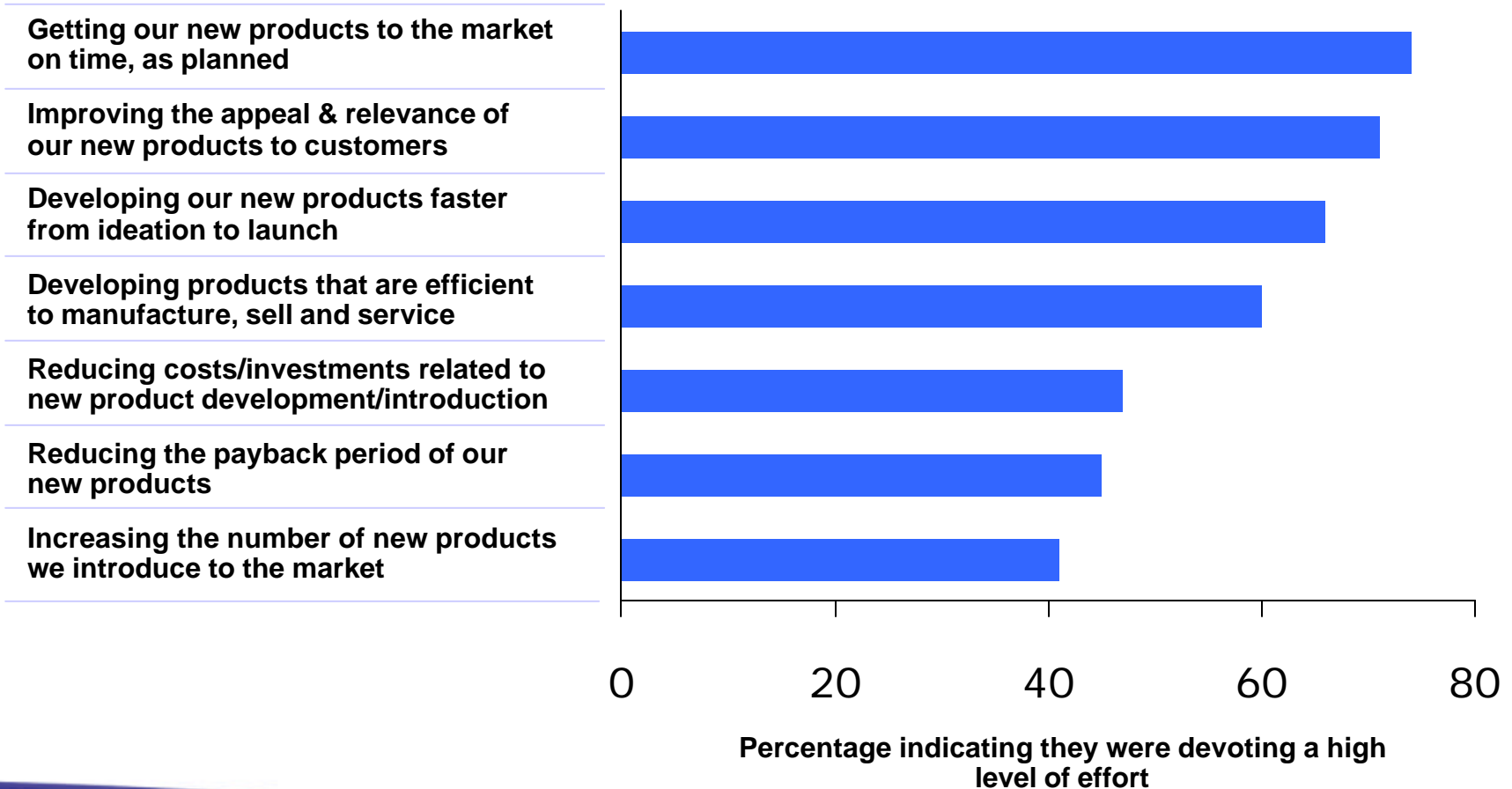


Framework

# Key Focus: Developing the Right Products and Getting Them To Market On Time

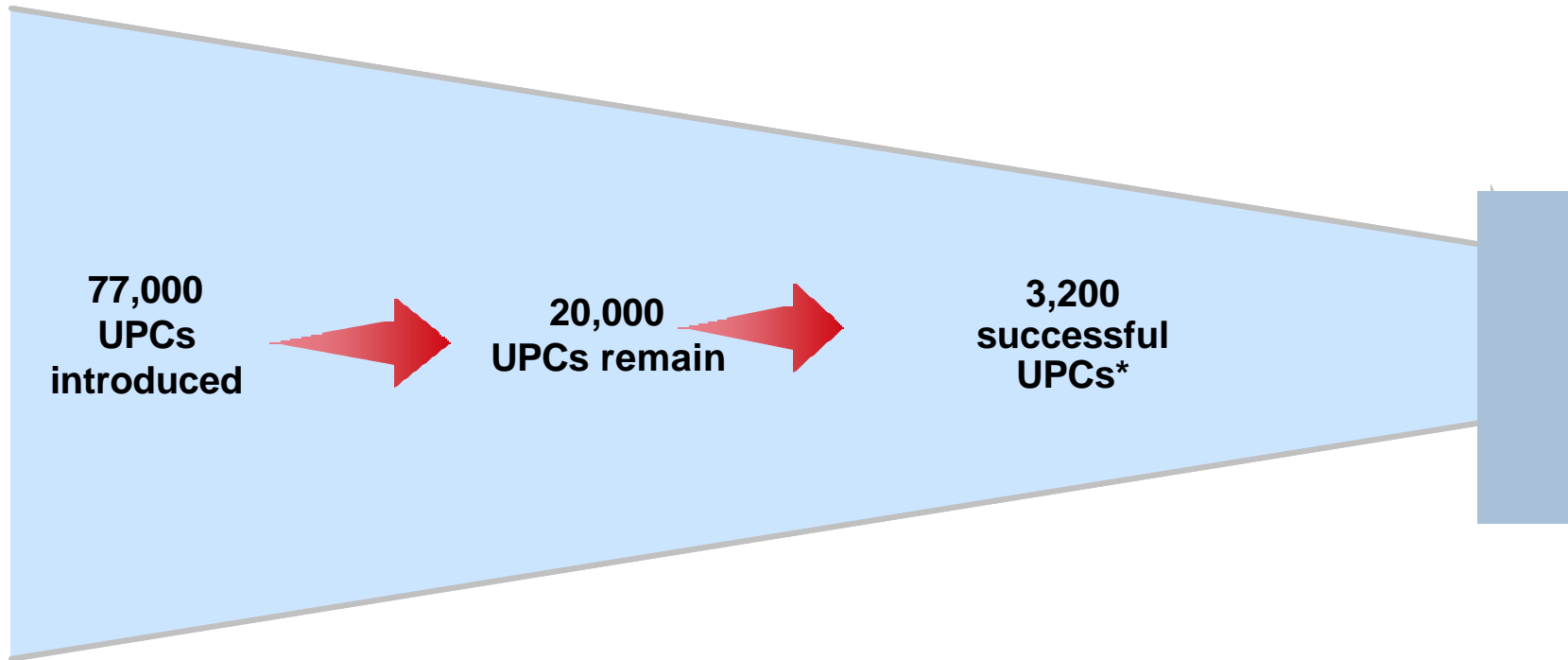
Framework

## Survey Results



# Only 4% of New Introductions Achieve Success

## New Products Funnel

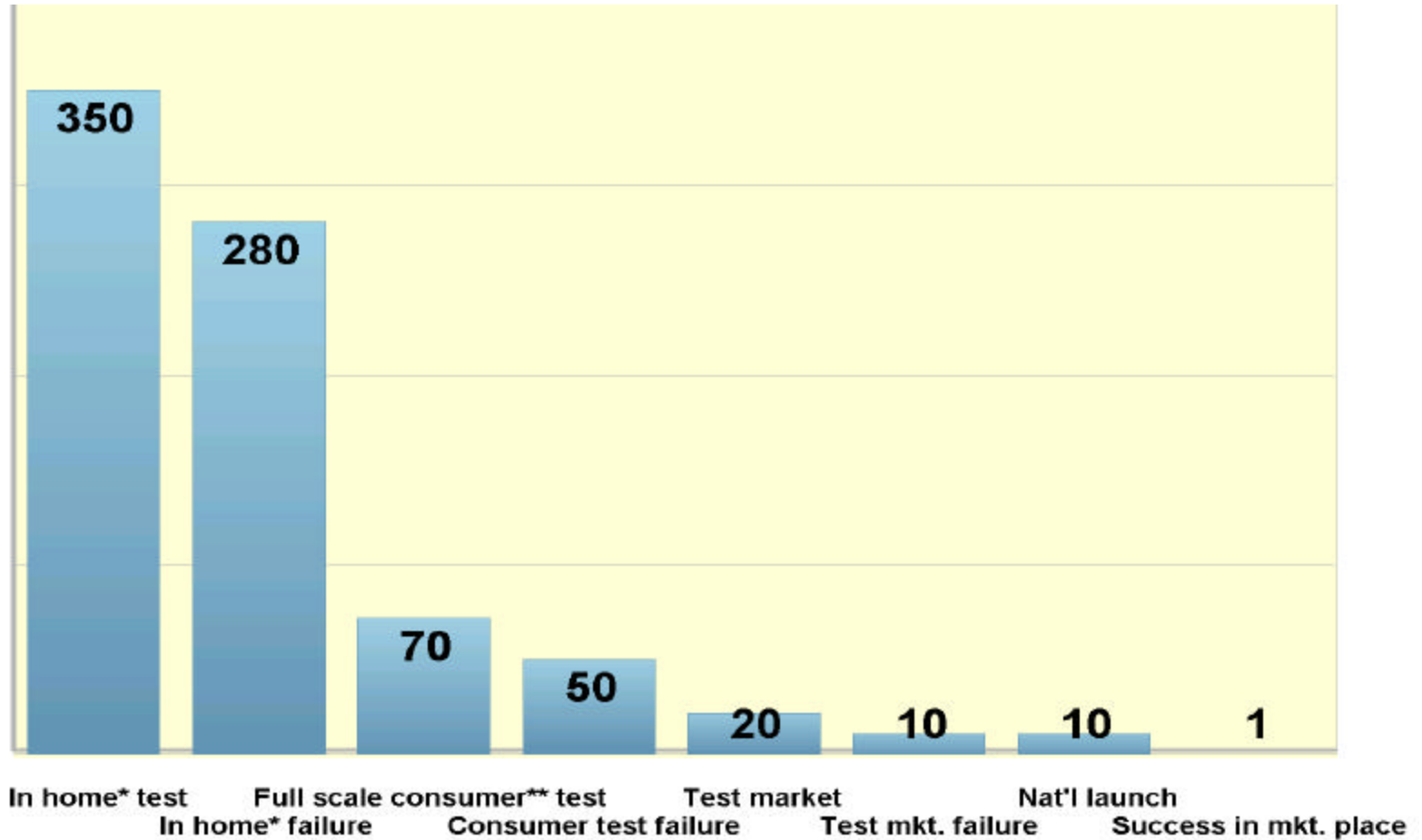


© 2003 IBM Corporation

Source: Information Resources Inc.

\* Successful defined as sales over \$50M

# New product Innovation Success Rate....0.3%

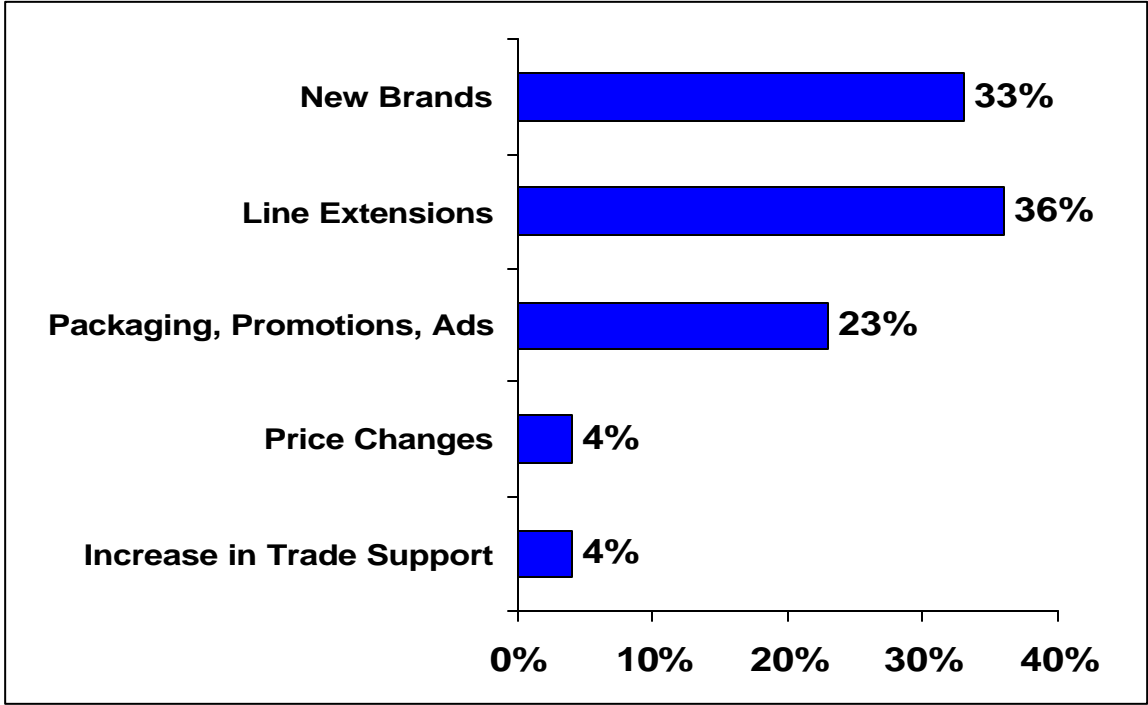


# New Products, However, Drive Revenue Growth

Framework

Breakdown of the top 160 Brands\*

**33%**  
of revenues are  
derived from  
products in the  
market less than  
2 years\*

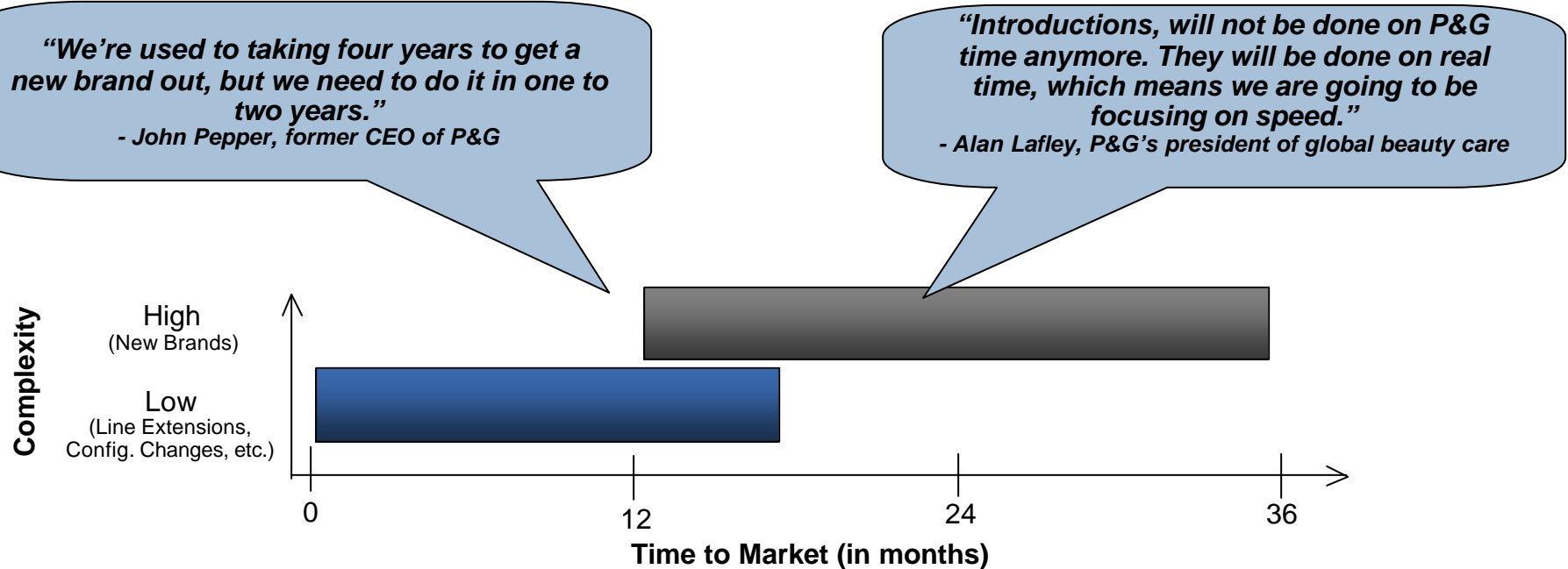


© 2003 IBM Corporation

\* IRI and AC Nielsen all outlet (food, drug, and mass merchandise)



# Time-to-Market Also Equates to Revenue Growth

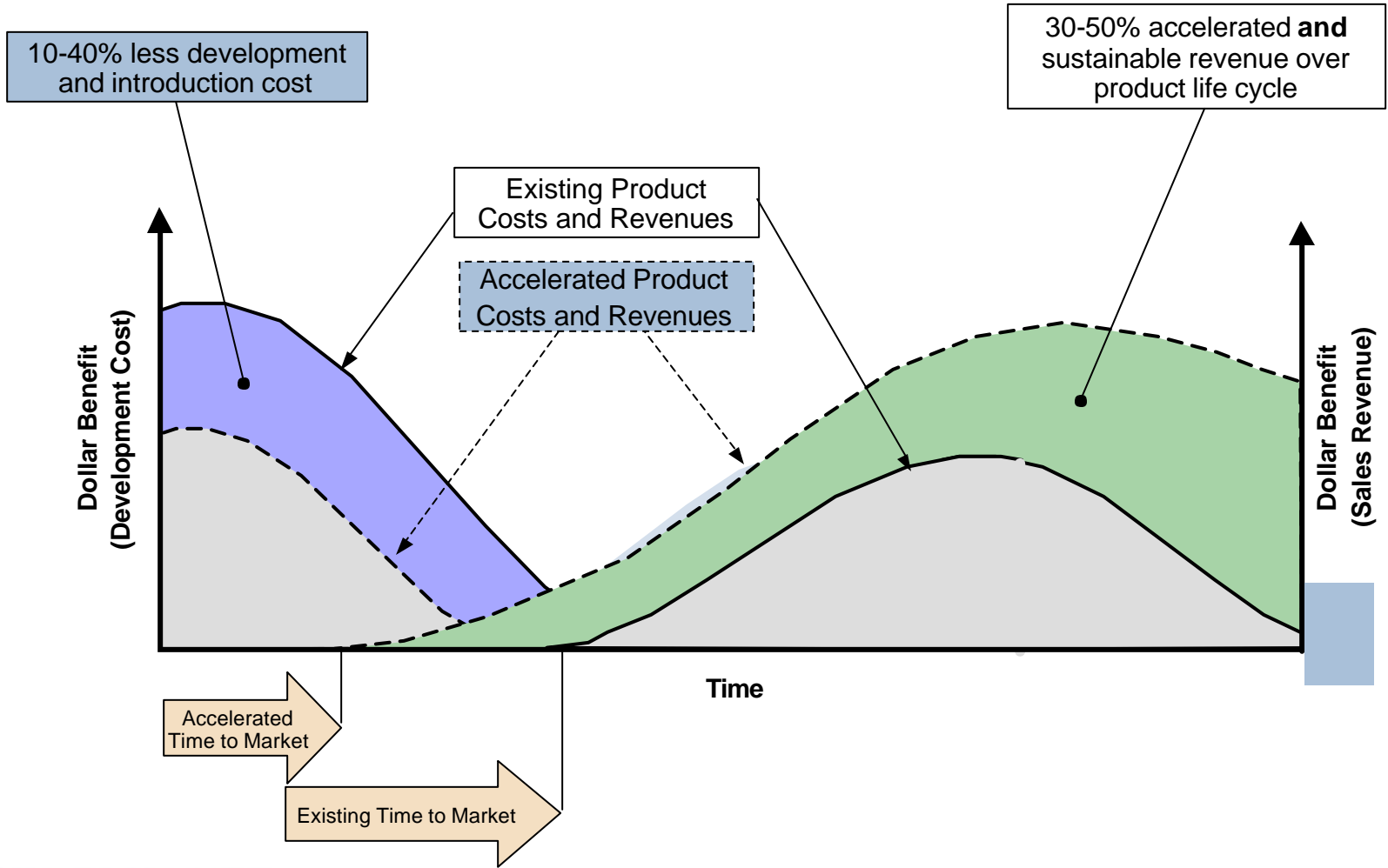


© 2003 IBM Corporation

*Still, on average, P&G estimates that it takes five years to get a new product out. Typically it takes six months just to put through a request to start manufacturing a product. Creating a prototype takes five months.*

*Gillette took 10 years and spent over \$1B on Mach3 razor. Within a few months, a British supermarket introduced its own product claiming that it was just as good for 40% cheaper.*

# CPG PLM Benefits



## ***II. CPG PLM Process & Performance***

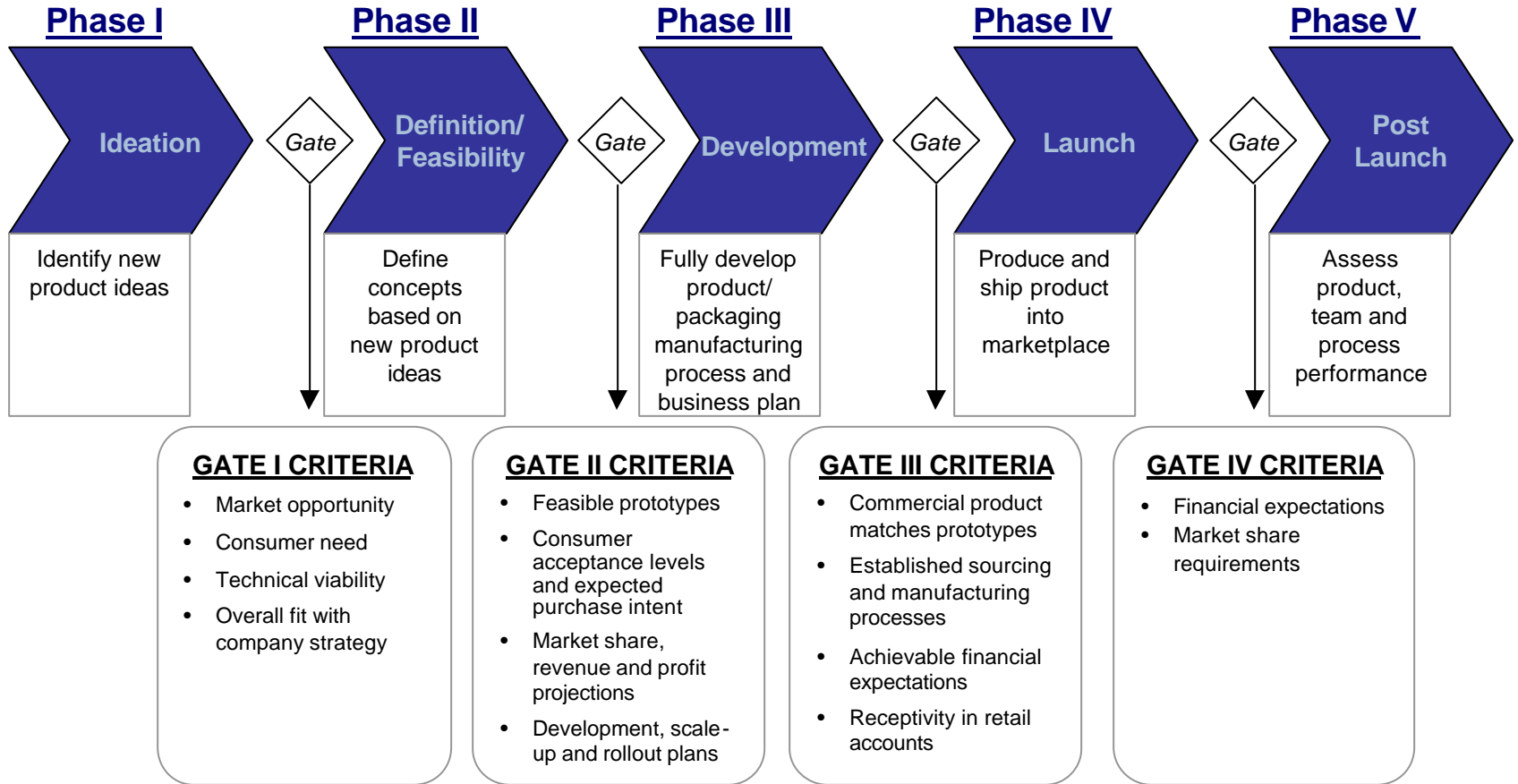
# Core Success Factors

## Key Success Factors

- A comprehensive new product introduction strategy; new products are recognized as key part of overall Corporate strategy
- High quality project teams; representation for multiple disciplines
- Innovative culture and climate throughout the organization
- Commitment to Product Development as a key discipline with corresponding accountability
- A rigorous new product development and go-to-market process; investment in enabling technologies

# Product Development/Realization Process

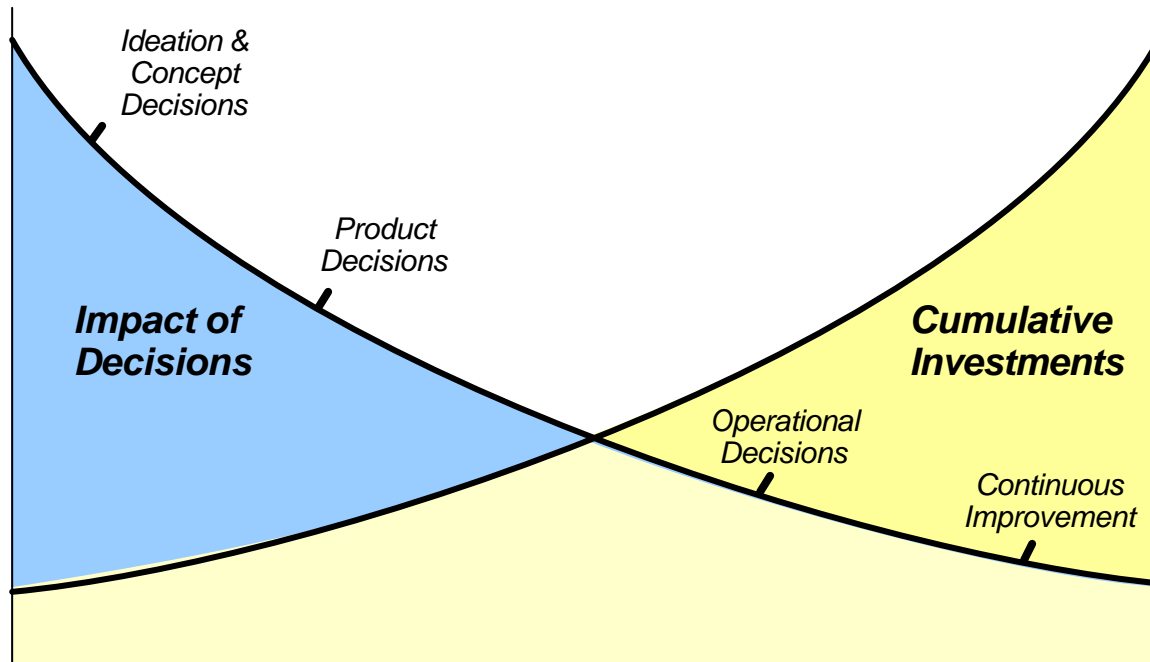
Opportunities



The *sweet spot* occurs when process design, organization/performance management and enabling technologies are integrated and optimized across this value chain

# Early and Accurate Decisions Determine the Likelihood of Success

Opportunity



**Over 70% of the factors contributing to success are established by the time product is defined.**

# Core PLM Opportunities

## Processes

- Iterations & rework
- Proliferation of assets and specs – poor reuse of enterprise knowledge
- Compressed timelines
- Lack of routinized and easy-to-use processes
- Project plans not linked & synched
- Lack of metrics & dashboards
- Quality improvement

## Organizational

- Disperse people, departments, organizations and suppliers
- Collaboration disconnects
- Information silos
- Geographic disparity
- Changing deadlines

## Technology

- Isolated departmental IT fixes
- Integration across legacy systems (ERP, CRM, etc.)
- Security and bandwidth
- Capital expense
- Training and ongoing user support

# Opportunities Can Be Leveraged into Business Benefits

## Many CPG Manufacturers are facing real challenges

- Knowledge, content, assets and specifications are scattered, inaccessible, inconsistent and recreated throughout the process.  
.....
- Best practices and processes are difficult to monitor and manage, are not visible, routinized or reusable, and must often be reinvented along the way  
.....
- Project plans & master timelines are not visible in real-time or linked to departmental and functional activities, causing disconnects, delays and rework.  
.....
- Project and process metrics are difficult to measure in across departments and divisions causing repeated decision reevaluation and process breakdowns.  
.....
- Critical input is not consistently solicited at the the right time across functions, geographies, suppliers and agencies.



## ...but, some have leveraged PLM to achieve substantive benefits

- Knowledge, information and content is captured and distributed in real time ensuring synchronous access, driving down the time/cost of unnecessary iterations.  
.....
- Building templated, menu-based best practices & workflows and building the mechanisms for easy reuse (e.g. plug & play) streamlines processes and maximizes speed/efficiency.  
.....
- Creating project-wide visibility and synchronizing tasks and milestones allows project constituents to dovetail critical activities and compress cycle times.  
.....
- Decisions can be made dynamically. Real-time measurement capabilities & dashboards enable tracking of key metrics across divisions, categories, projects and resources.  
.....
- Installing workspaces that are integrated with workflows and assets enable participants to ideate and collaborate earlier & more quickly.



# Value Proposition

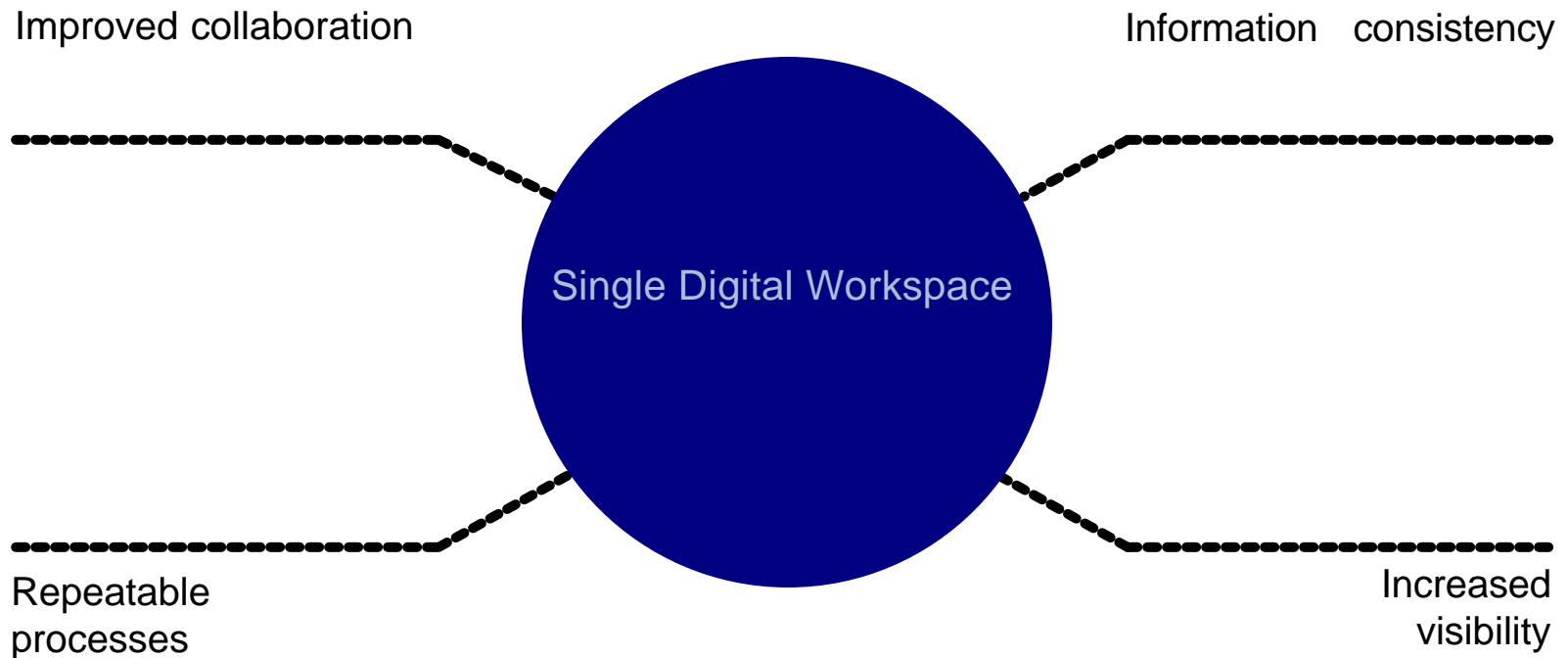
- Faster** → **Revenue Acceleration**
- Cheaper** → **Lower Costs & Improved Productivity**
- Better** → **Improved Innovation & Quality**



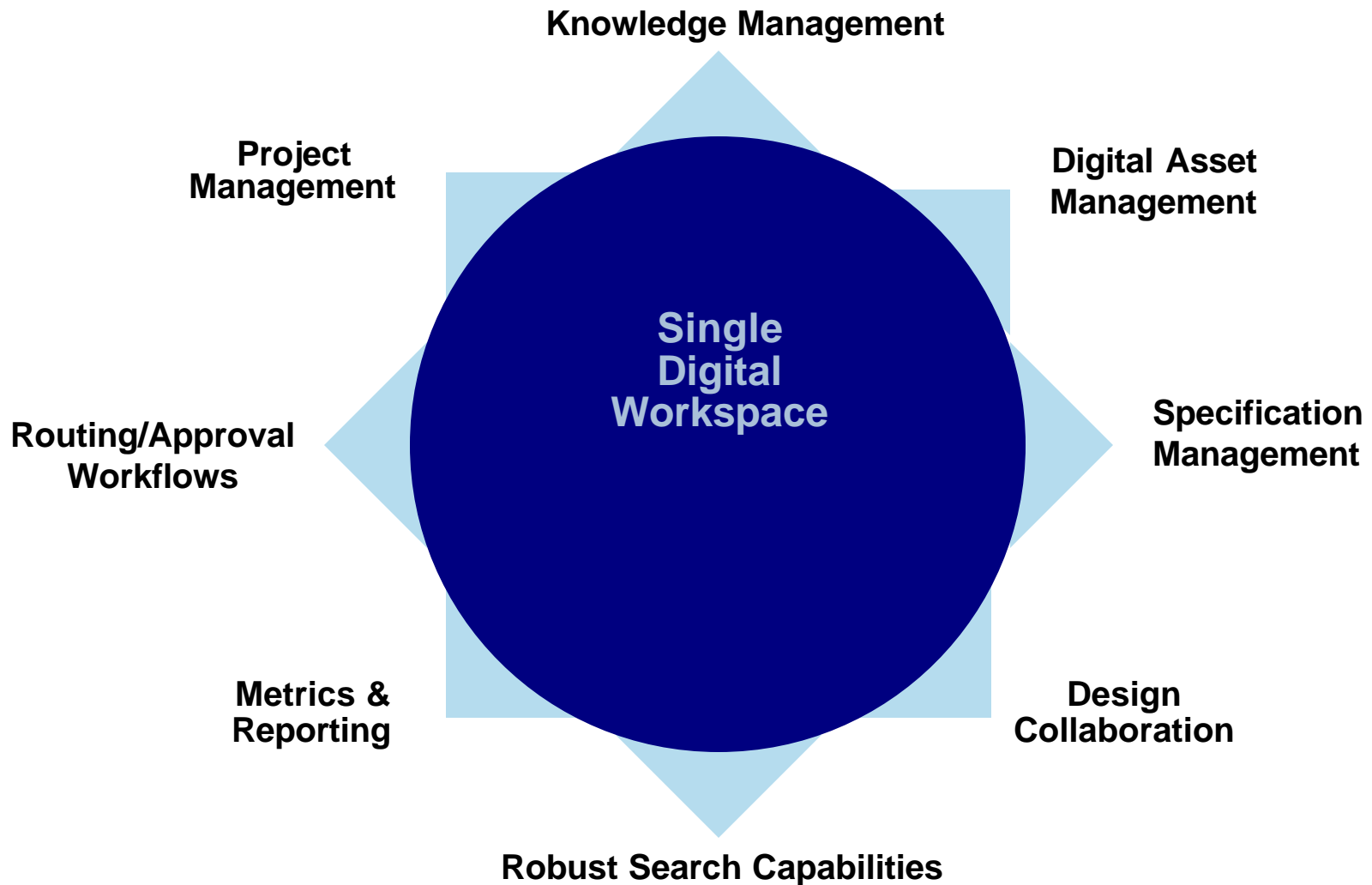
**Enhanced CPG Profitability**

## ***III. Typical Solution Components***

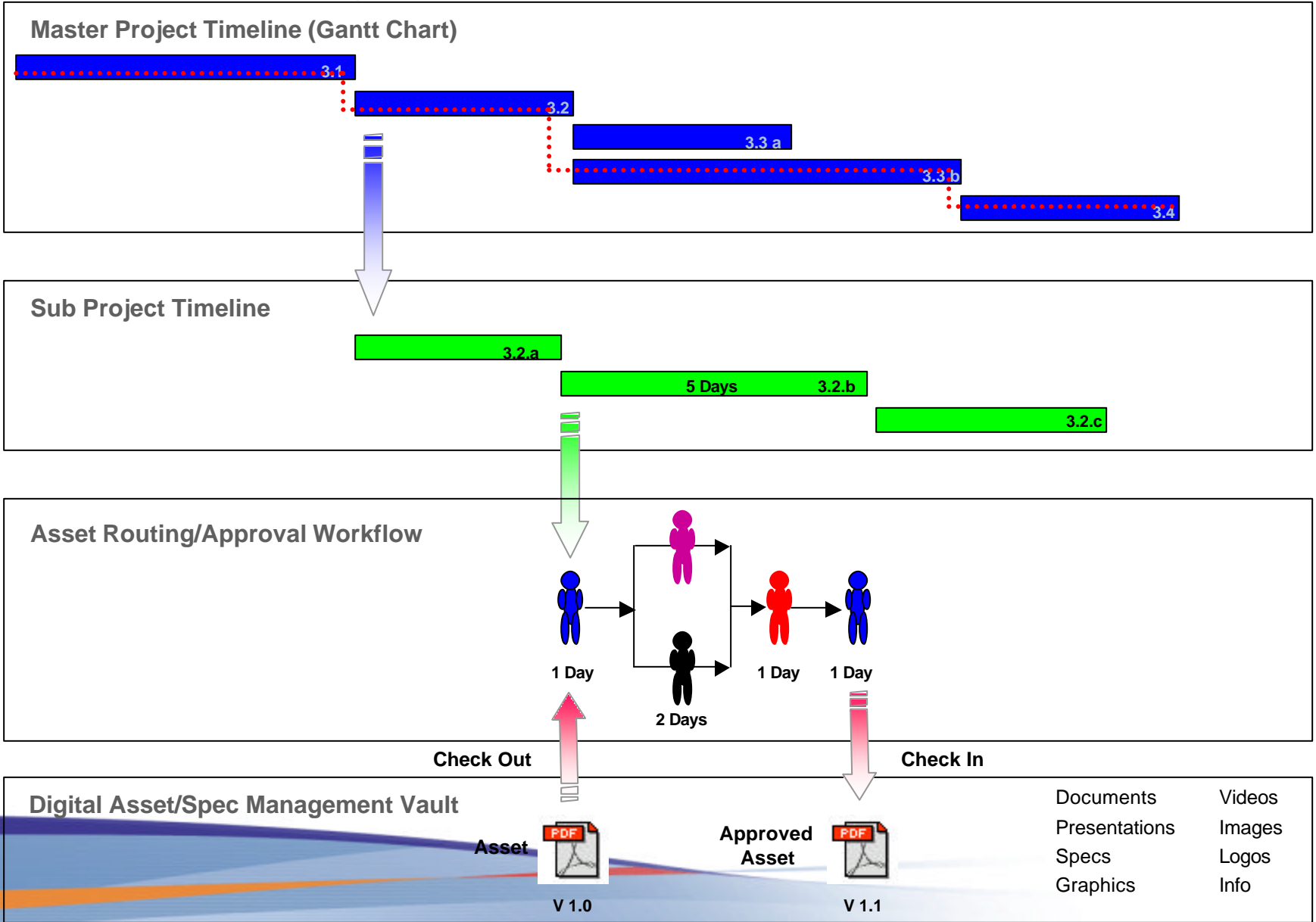
# PLM Solution Map



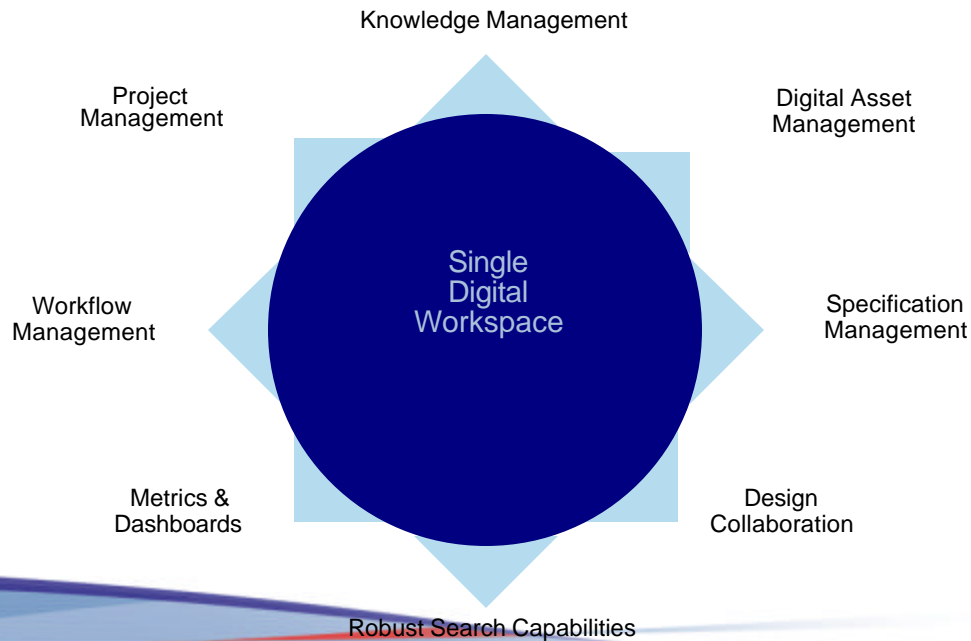
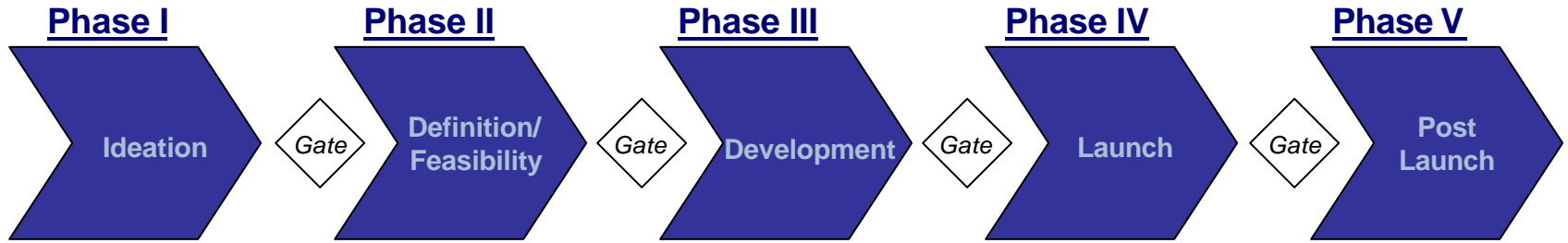
# Components of an Integrated Solution



# Application Integration



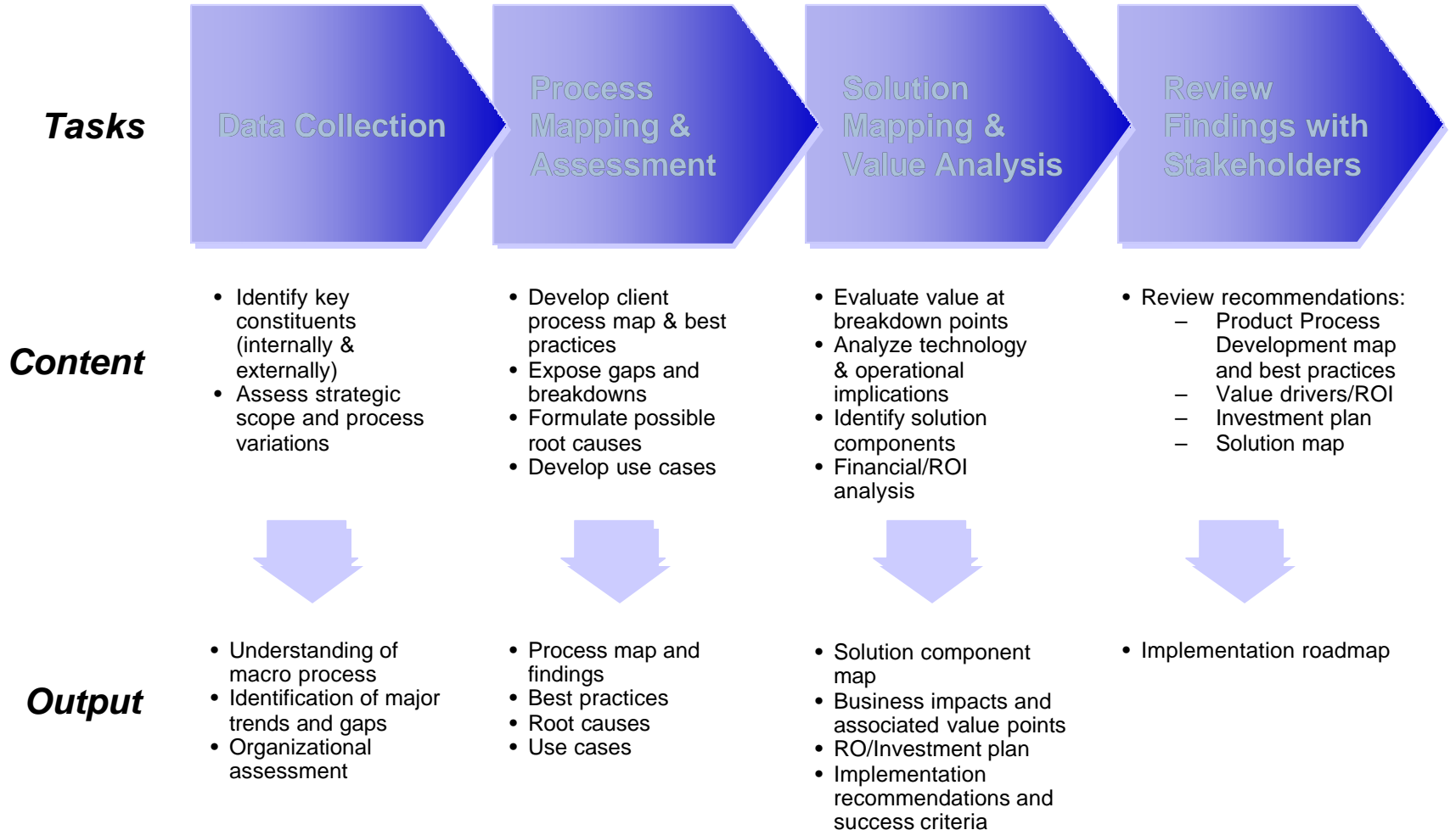
# Processes Coupled with an Integrated PLM Solution



## ***IV. How IBM PLM can help***

# Diagnostic Workshop: Defining the Key Drivers of Value at the Prospect

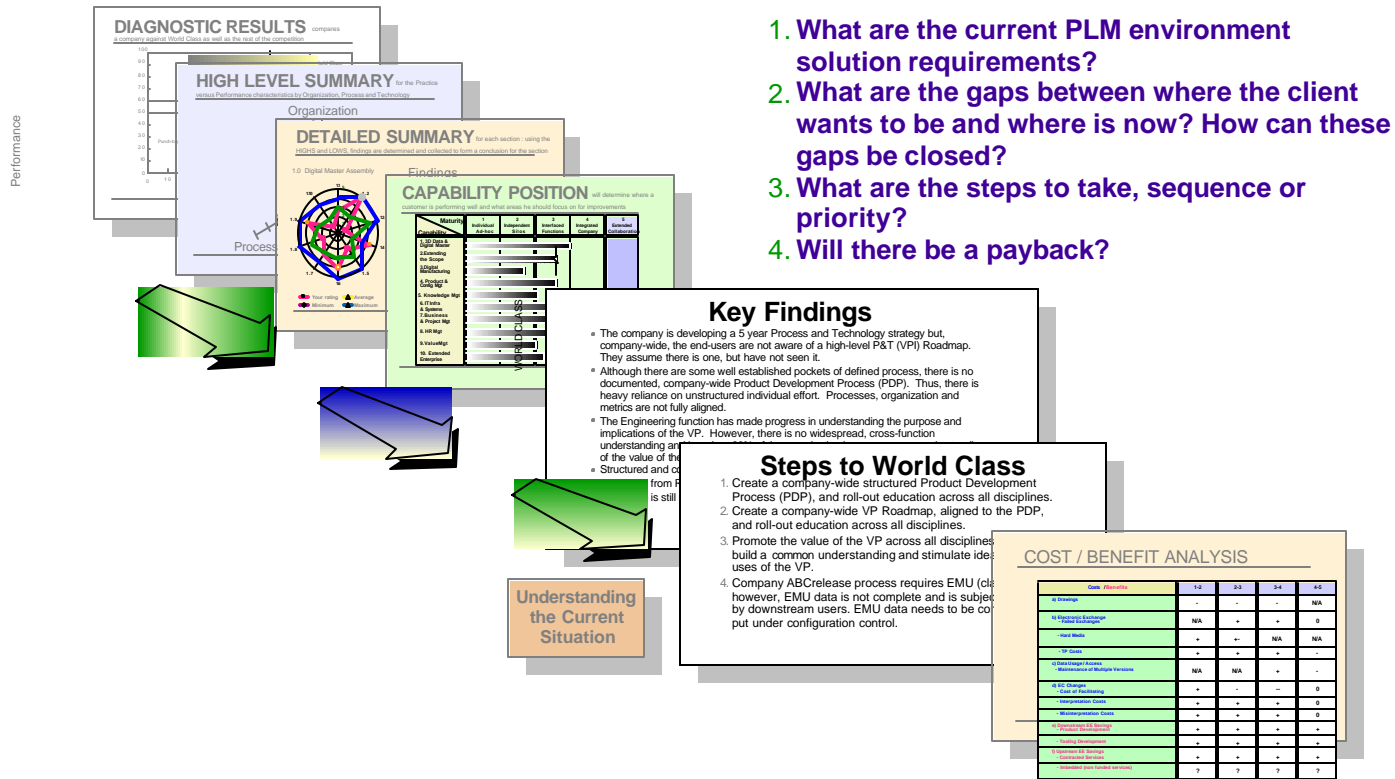
Approach





# PLM Diagnostic Workshop Approach

IBM will utilize its PLM Diagnostic Tool to evaluate the current product-to-market processes and technologies by helping the client understand:



1. What are the current PLM environment solution requirements?
2. What are the gaps between where the client wants to be and where is now? How can these gaps be closed?
3. What are the steps to take, sequence or priority?
4. Will there be a payback?

**Key Findings**

- The company is developing a 5 year Process and Technology strategy but, company-wide, the end-users are not aware of a high-level P&T (VPI) Roadmap. They assume there is one, but have not seen it.
- Although there are some well established pockets of defined process, there is no documented, company-wide Product Development Process (PDP). Thus, there is heavy reliance on unstructured individual effort. Processes, organization and metrics are not fully aligned.
- The Engineering function has made progress in understanding the purpose and implications of the VP. However, there is no widespread, cross-function understanding and of the value of the VP.
- Structured and c...

**Steps to World Class**

1. Create a company-wide structured Product Development Process (PDP), and roll-out education across all disciplines.
2. Create a company-wide VP Roadmap, aligned to the PDP, and roll-out education across all disciplines.
3. Promote the value of the VP across all disciplines build a common understanding and stimulate ideas uses of the VP.
4. Company ABC release process requires EMU (data however, EMU data is not complete and is subject by downstream users. EMU data needs to be put under configuration control.

**COST / BENEFIT ANALYSIS**

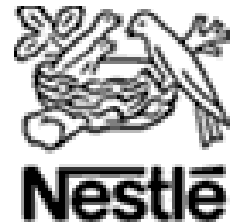
Cost / Benefit	1-2	3-3	3-4	4-5
1. Strategic	-	-	-	NA
2. Strategic Execution	NA	+	+	0
3. Risk Mitigation	-	+	NA	NA
4. Strategic Focus	+	+	+	-
5. Strategic Focus	NA	NA	+	-
6. Strategic Focus	+	-	-	0
7. Strategic Focus	+	+	+	0
8. Strategic Focus	-	+	+	0
9. Strategic Focus	+	+	+	+
10. Strategic Focus	+	+	+	+
11. Strategic Focus	+	+	+	+
12. Strategic Focus	+	+	+	+
13. Strategic Focus	+	+	+	+
14. Strategic Focus	+	+	+	+
15. Strategic Focus	+	+	+	+
16. Strategic Focus	+	+	+	+
17. Strategic Focus	+	+	+	+
18. Strategic Focus	+	+	+	+
19. Strategic Focus	+	+	+	+
20. Strategic Focus	+	+	+	+

# PLM Assessment Diagnostic Workshop

*The PLM Assessment Diagnostic will focus on the nine commonly used product lifecycle management categories...*

- 1. Document, Spec and File Management**
- 2. Product Change Management**
- 3. Product Configuration Management**
- 4. Workflow Management**
- 5. Collaboration Management**
- 6. Project Management**
- 7. Knowledge Integration**
- 8. Virtual Product Design**
- 9. Application Integration**

# ***V. Customer References***



## *Evian - Danone Group*

*Popular European water distributor upgrades to CATIA V5 and takes advantage of the new features, including collaboration, that this product offers*

### Business Need:

Two main aspects govern the creation of a new water bottle model. First, designers collaborate with the marketing department to develop a shape and identity (health, purity, slimness, youth, vitality, etc.) for the product. Second, the industrial and economic feasibility of the new project must be examined

### Solution:

Among the new features of V5 that Evian is leveraging are:

- Easy collaboration between marketing, design and development
- Ability to exchange 3-D images via Lotus Notes
- Increased visibility of project status

### Benefits of the Solution:

Evian measures its expected gains in time and in quality. Evian's design requirements are becoming increasingly complex, and the upgraded CATIA solution will handle this complexity well. In fact, the company projects that it may be able to cut creation time for 3-D models from five days to two. And, as designs change, the company will be able to create new models without having to start over completely.

### Customer Quote:

"CATIA V5 users were pleased with the flexibility and interactivity of the tool. We have complete confidence both in the tool and in our partners. We have a long history with IBM and its partners for CAD." -- Philippe LePreux, head of the plastics department at Evian.

# *Campbell Soup Company*

## Customer Background:

Campbell Soup Company is a global manufacturer and marketer of premium quality soup, sauces, beverages, biscuits, confectionery and prepared food products. The company owns a portfolio of more than 20 market-leading brands, each with more than US\$100 million in sales.

Campbell wants IBM to work with the company as a single, global team, leveraging its capabilities for the betterment of Campbell. It expects IBM to deploy its world-class skills and support, while simultaneously finding better and more economical ways to implement them.

## Solution:

IBM Global Services - Worldwide Strategic Outsourcing (SO) is providing Campbell Soup with full-scope IT infrastructure support in North America and Europe under a ten year global outsourcing agreement.

## Benefits of the Solution:

The customer has not quantified the benefits, but in qualitative terms, the following results have been achieved:

- Stable environment
- Improved service quality
- Cost effectiveness
- Access to IBM's skills and current technology.

