

Computerworld IT Management Summit

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People, Process, Technology: The IT Opportunity for Profitable Growth



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- VF Corporation
- Wal-Mart, Inc.
- WellPoint, Inc.
- Westpac Banking Corp. (Australia)
- Woolworths Limited (Australia)
- World Bank

CISR's Mission

- Founded in 1974; CISR has a strong track record of practice-based research on how firms manage & generate business value from IT
- Research is disseminated via electronic research briefings, working papers, research workshops & exec. ed. programs

2010 CISR Research Projects

The World is Changing—Now What?

- Agile IT Decision-Making with Accountability
- Adopting Business Applications in the Cloud
- IT's New Look
- Innovating the Future of the Enterprise

Working Smarter with IT

- Building the Information-based Organization
- Digital Intelligence: Capturing the Value of Unstructured Data
- Collaboration Platforms: Managing the Opportunities of Web-based Business Practices
- Increasing Reuse to Improve Enterprise Performance

What Works? Surveying Best Practices

- The MIT CISR Value Framework—How Firms Achieve Superior Business Value from IT
- Transparency: A Critical IT Management Competency
- What we Measure Matters: Key Measures for Digitization

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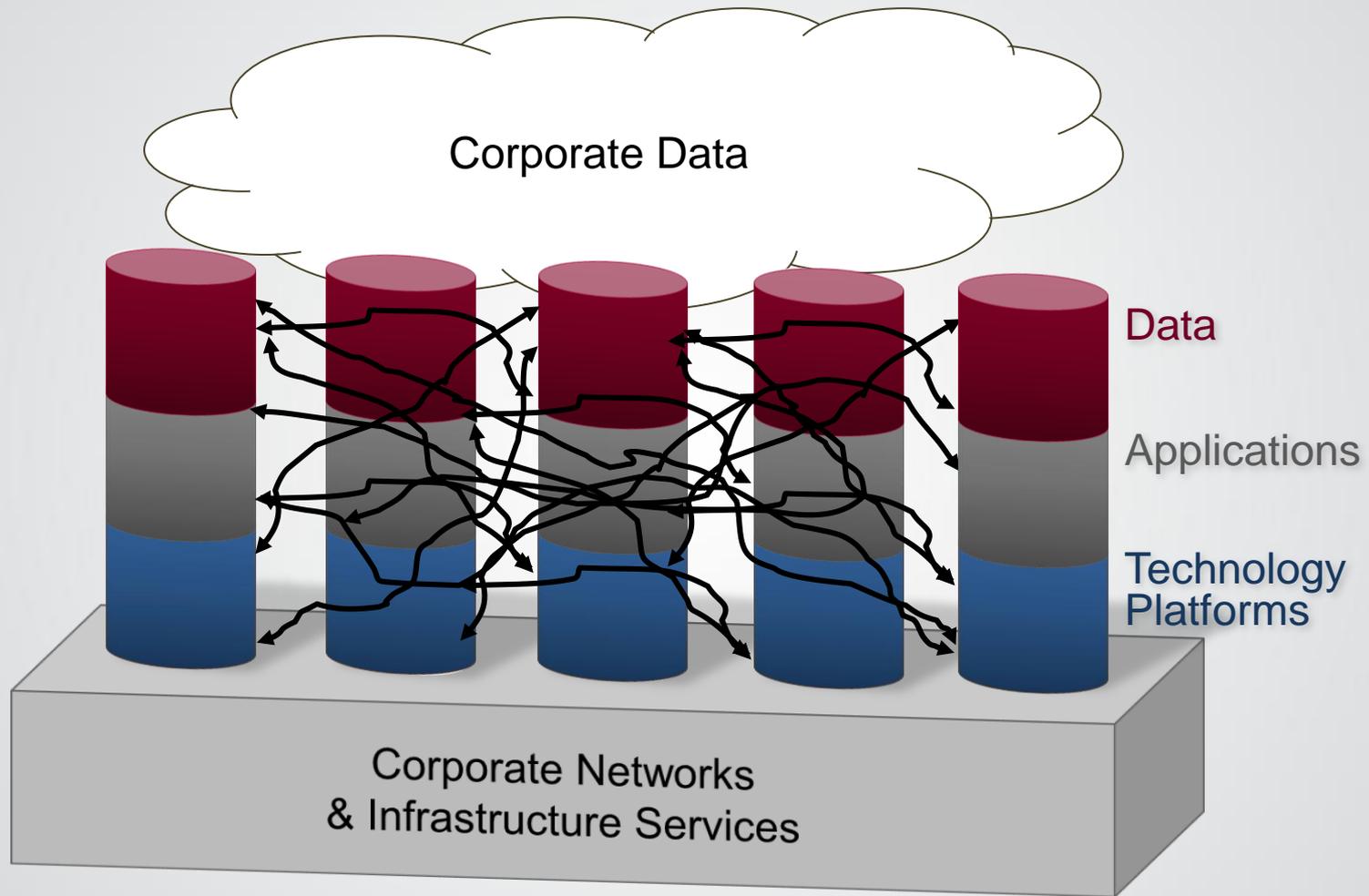
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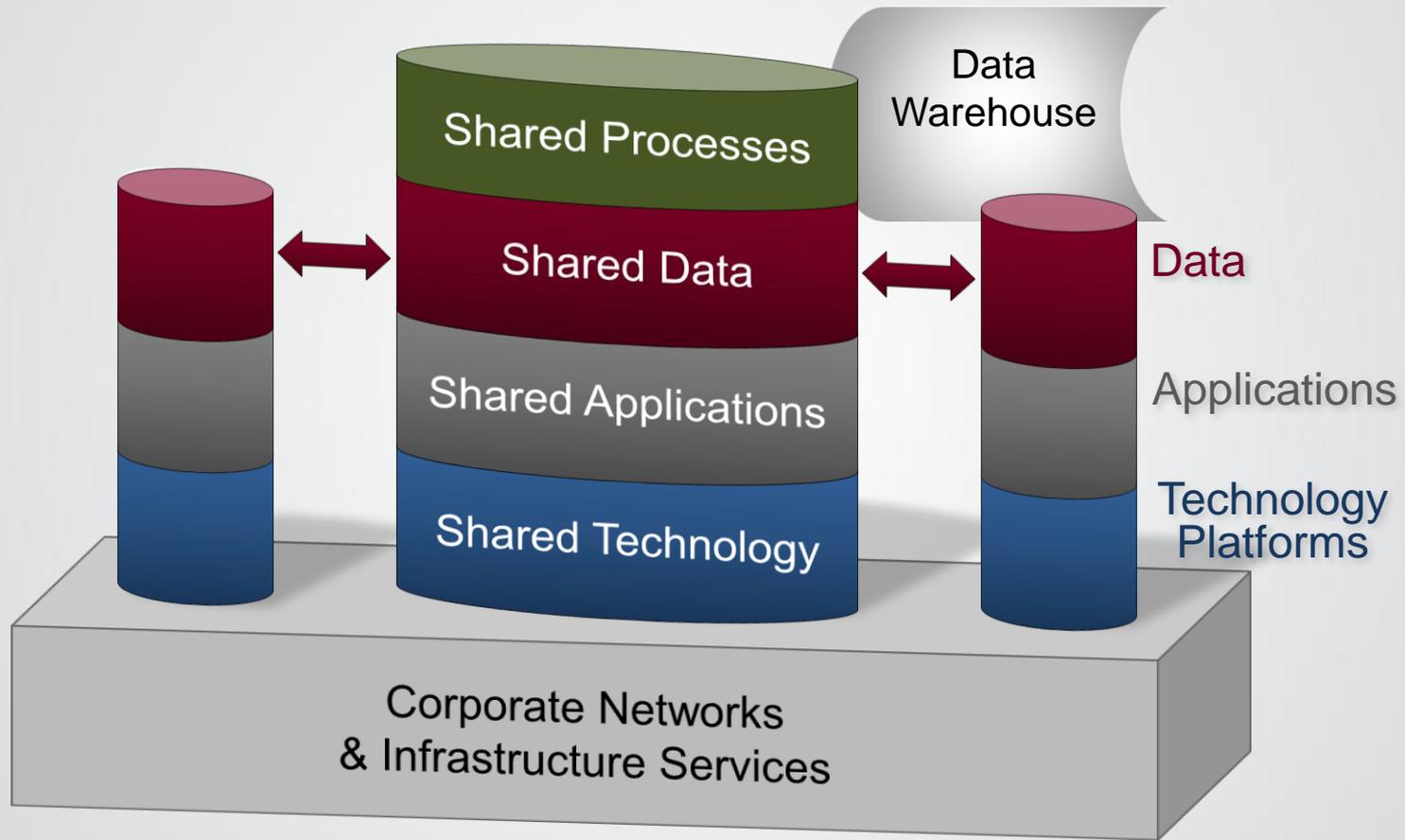
Agenda

- Business Agility
 - Distinguishing agility from innovation
 - Designing a digitized platform for business agility
- UPS: Building a platform for package delivery
- Campbell Soup: Installing a platform for enterprise business processes
- Procter & Gamble: Evolving a shared services platform
- Toyota Europe: Building an information-based platform
- 7-Eleven Japan: Making a long-term commitment to profitable growth
- Recommendations for creating business agility

For Many Years IT Focused on Innovation



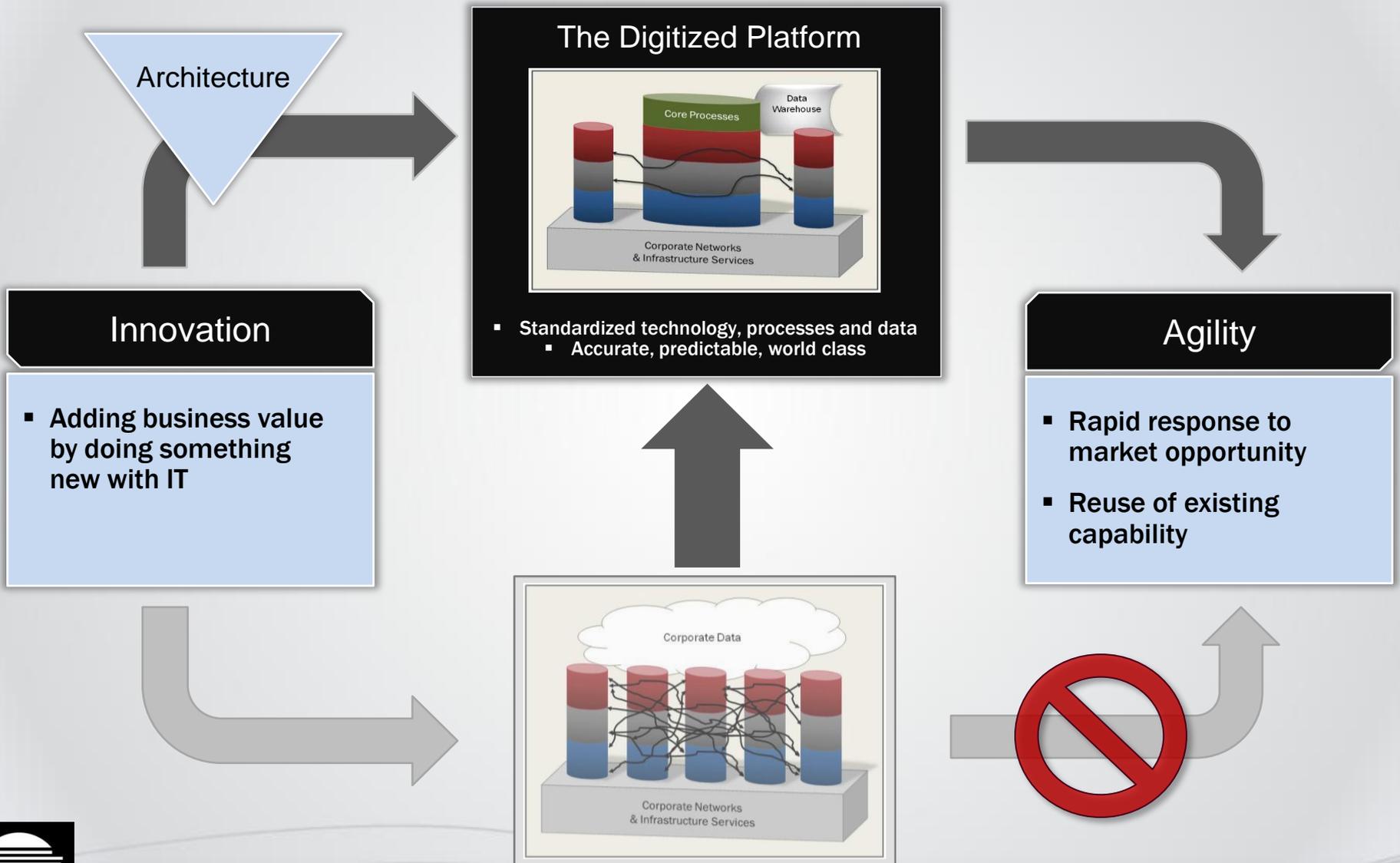
A Digitized Platform: The desired result of a firm's IT innovations



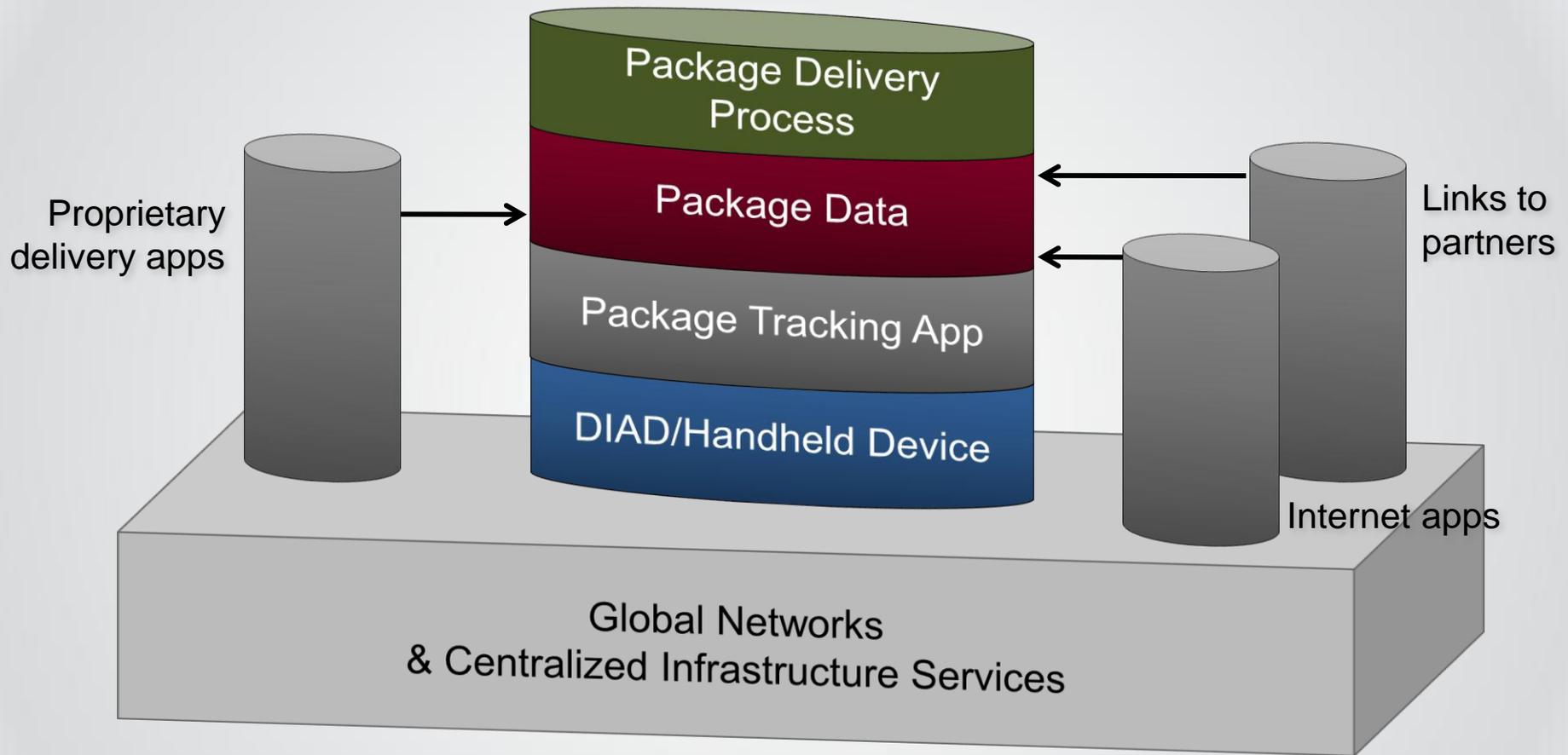
Business Agility and the Role of IT

- Business Agility: *The use of existing IT and business process capabilities to rapidly generate new business value while limiting costs and risks.*
- The goal of business agility is profitable growth.
- The Agility Paradox: Standardization is essential to sustained agility.
- Firms create opportunities for business agility by building and leveraging one or more digitized process platforms.
- Digitized process platform: *A coherent set of standardized business processes along with supporting infrastructure, applications and data, intended to ensure the quality and predictability of core transactions.*

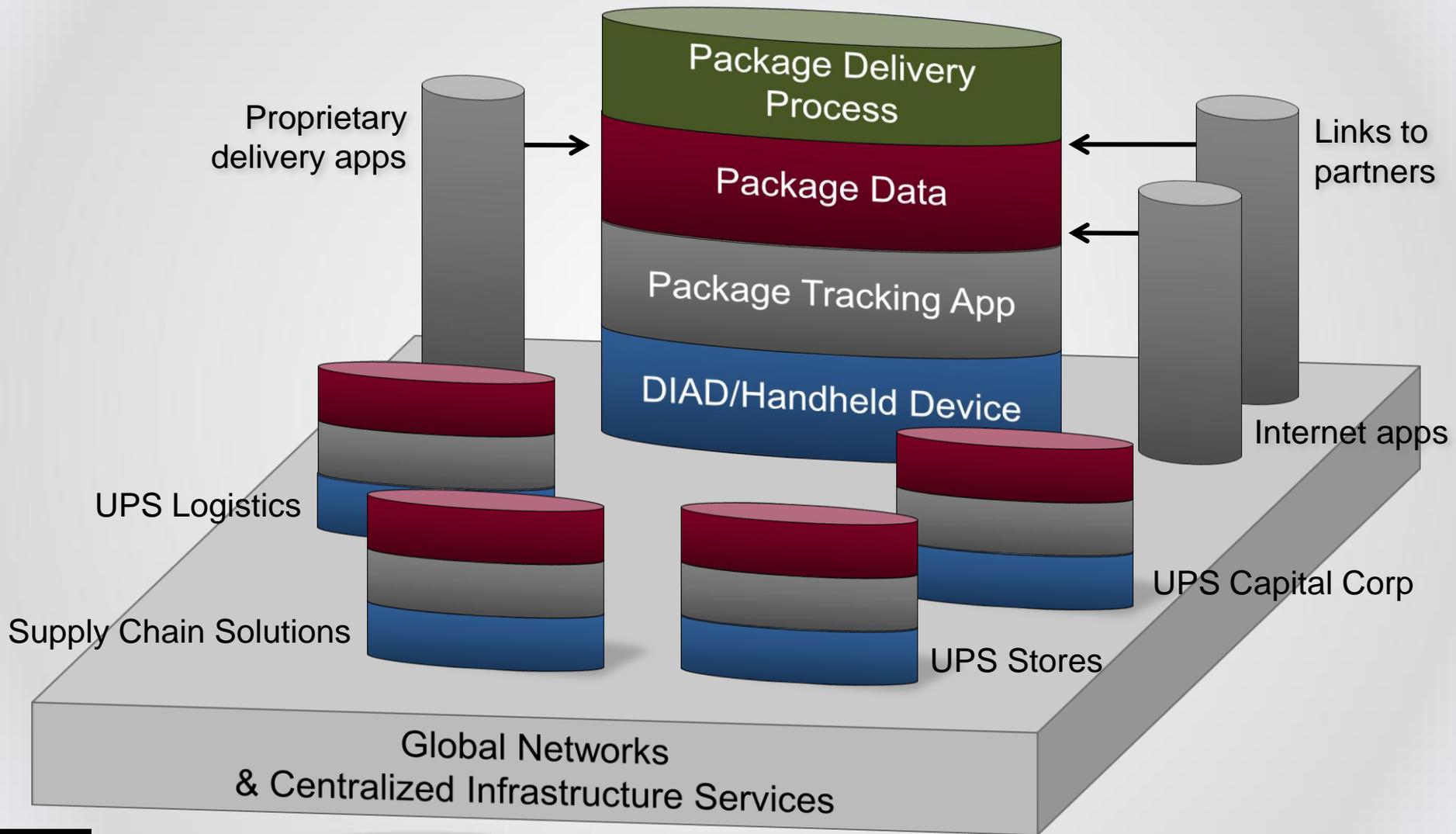
Innovation and Agility Present Tradeoffs



UPS's Digitized Platform for Package Delivery



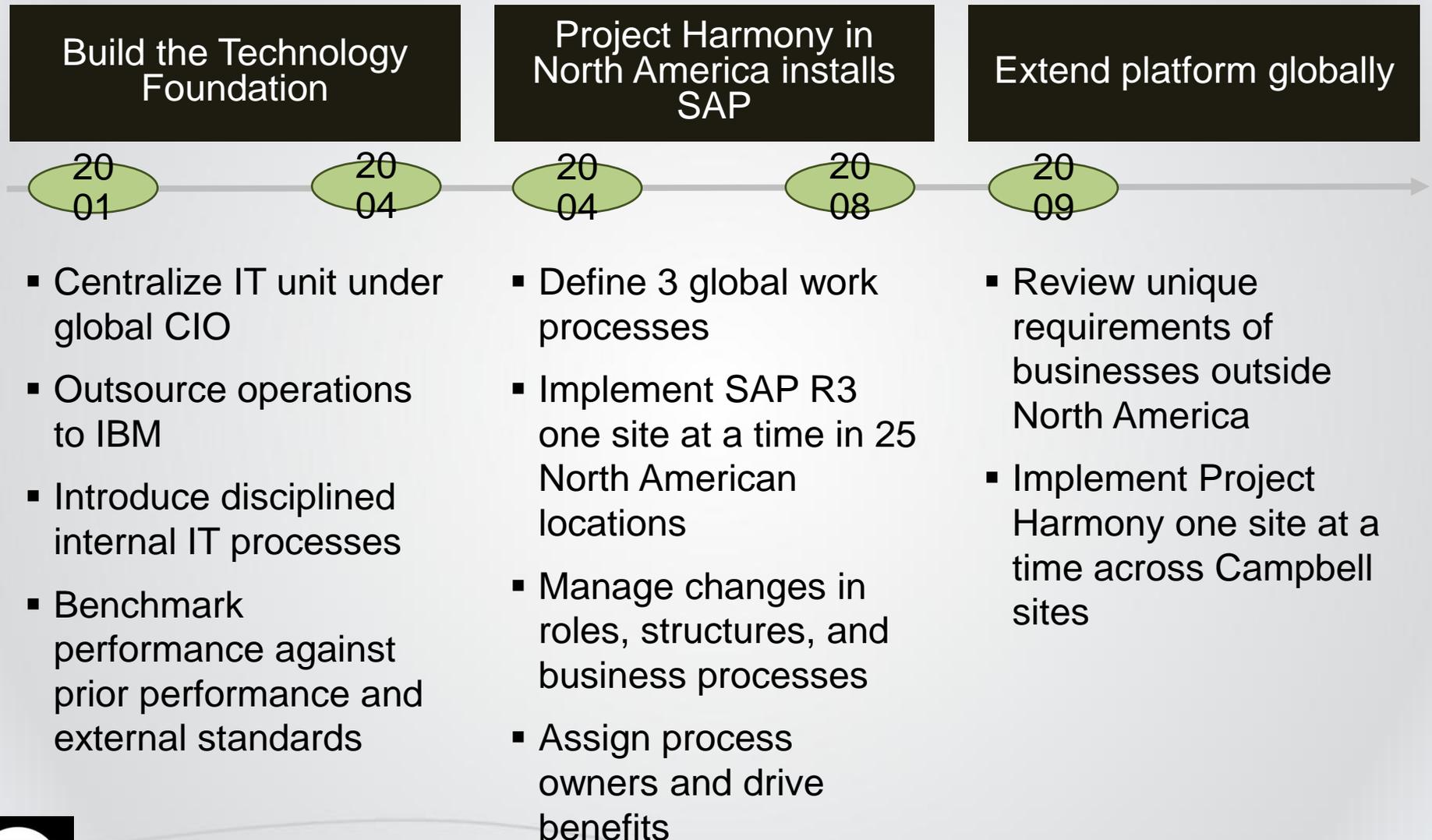
Diversified Firms Build Multiple Platforms



Creating Agility at Campbell Soup Company

- \$8 billion global manufacturer of soups, baked snacks, beverages and chocolates (e.g., Campbell Soup, Arnott's, Prego, V8, Pepperidge Farm, Godiva).
- In 2004 Senior executives approved Project Harmony: SAP R3 and related systems forming backbone for three enterprise processes: Account to Report, Order to Cash, Make to Ship
- Four senior leaders serve as project sponsors: CIO, CFO, SVP for Supply Chain, and EVP for North America.
- Focus on Total Delivered Cost (TDC)
- Campbell generated returns of 13.7% in FY2008 compared to the less than 8% earned by companies in the S&P's packaged food index

Development of Campbell Soup's Digitized Platform



Toyota Motor Marketing Europe

- Sales growing dramatically:
 - 384,000 units in 1995
 - 727,000 units in 2002
- Toyota Europe structured as 28 independently managed country operations:
 - Cars and parts ordered from 9 European manufacturing plants
 - All product and spare parts inventories managed within countries
 - Little transparency of supply and demand
 - Different systems and processes in each country
- Operating loss FY 2002 ¥9.9B

Developing Toyota's Information-Centric Platform

- Resisted urge to install single ERP and focused instead on sharing inventory data across 28 businesses
- Designed product master file. First initiative (12 months) involved daily file transfer to headquarters with inventory data.
- Each business received daily report of inventory data across Toyota Europe
- General managers used report voluntarily

Toyota Europe's Outcomes

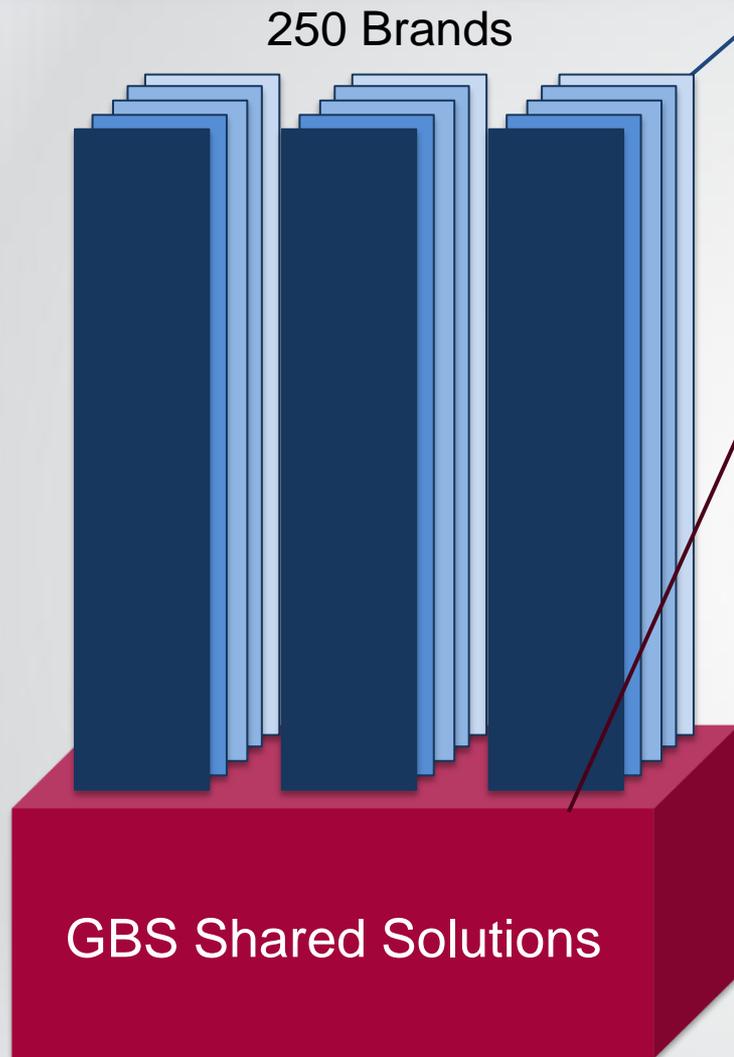
Performance			Business Changes	
Units Sold	Revenue (¥)	Operating Income (¥)		
2002	727,000	1,266B	(9.9B)	<ul style="list-style-type: none"> 28 autonomous marketing companies 9 manufacturing facilities
2004	898,000	2,164B	72.5B	<ul style="list-style-type: none"> European delivery lead time for vehicles reduced 35% Inventory of spare parts reduced by almost 50% Operating income: 3.5% of sales
2008	1,284,000	3,993B	141B	<ul style="list-style-type: none"> Reorganized as a single business: Toyota Europe

Building a Shared Services Platform at Procter & Gamble

- 170 year-old company. A \$85 billion MNC. Products sold to more than 180 countries, marketing over 250 brands to nearly five billion consumers.
- Largest CPG company in the world
- Strong and consistent business performance*
- Nearly one-third of sales from developing countries; growing sales in developing countries 16% per year

	2008 (\$000s)	2007 (\$000s)	2006 (\$000s)	2005 (\$000s)
Net sales	83,503	76,476	68,222	56,741
Net earnings	12,075	10,340	8,684	6,923

Procter & Gamble's Shared Services Platform



- Brand marketing
- Product and service innovation
- Service delivery

- Employee services (pay, benefits, policies)
- People management (compensation, relocation)
- Facilities (office moves, mail, fitness centers)
- Meetings (rooms, technology support)
- Travel (booking, expense accounting, credit cards)
- Purchasing (strategic sourcing, supplier relations)
- Financial Services (purchase-to-payment, financial reporting)
- Consumer Solutions (prime prospect research, CRM systems)
- Customer Solutions (shopper intelligence, in-store action planning)
- Initiative management (technical package and materials design, package artwork process)

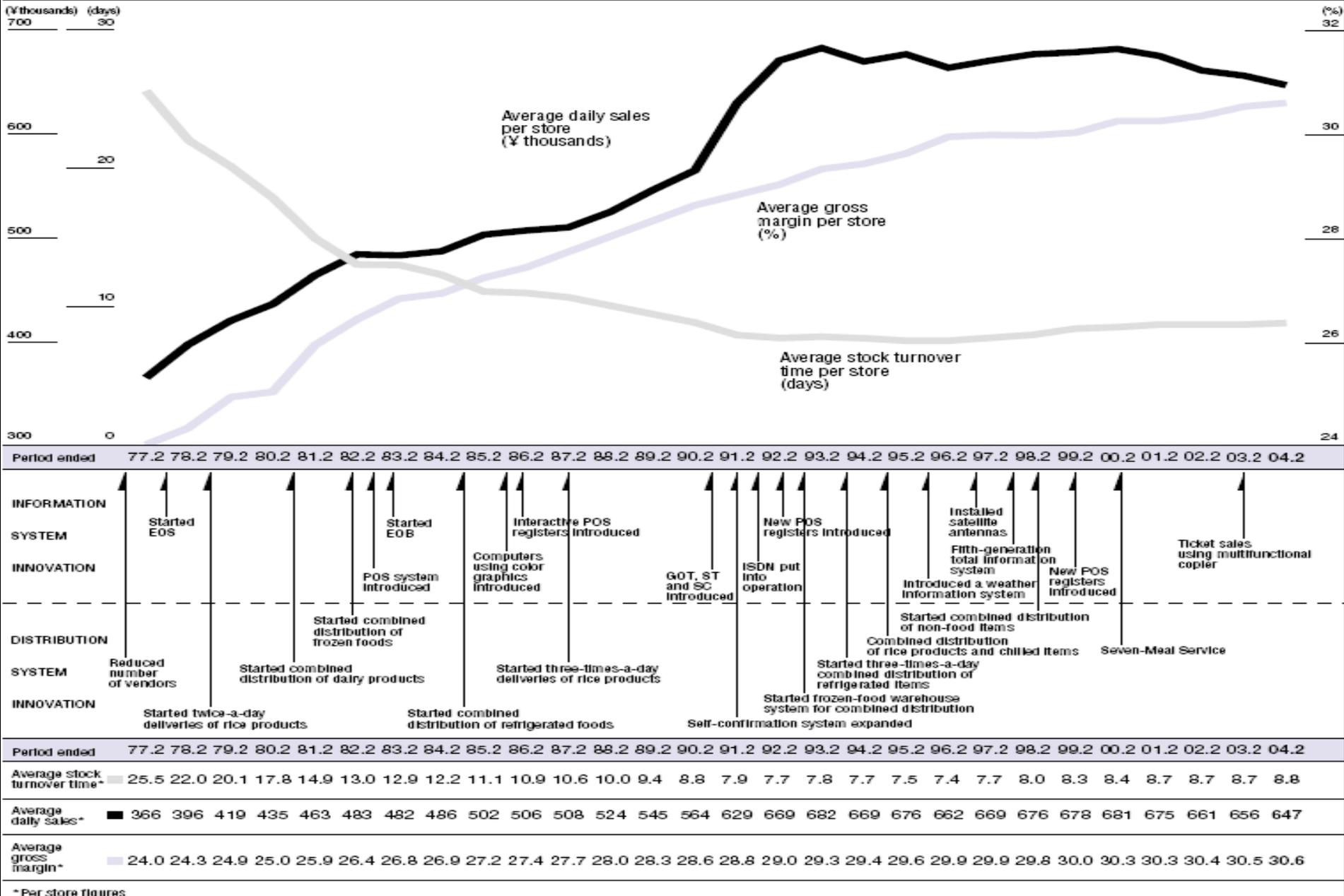
7-Eleven Japan — An IT Savvy Next Gen Retailer

- Highly evolved IT-enabled business model
 - Most profitable Japanese retailer
- 12,034 stores in Japan, 33,913 stores worldwide
- 70% of all products sold are new each year in each store
- Each store clerk makes local decisions based on centrally designed systems and processes—hypothesize and test new product selections
 - Counselors visit each store twice weekly
- Total information system: 70,000 nodes
 - Links stores, head office, suppliers, distribution centers
- Digitized processes allow stores to order and receive fresh foods three times a day
- Emphasis on training and mentoring all employees
- Gross margins per store have increased from 5% to 31% from 1977 to 2008 and stock turnover has decreased from 25.5 to nine days
- *“It’s not enough to exchange information. The information has no value unless its properly integrated by the franchisees and makes them work better.”*

—Toshifumi Suzuki, CEO



Average Stock Turnover Time, Daily Sales and Gross Margin per Store



Source: Seven Eleven Japan, "Corporate Outline 2004."

How Top Firms Build Business Agility

- Define sacred transactions—what's not changing.
- Debate the architectural implications of every significant IT investment decision.
- Articulate measurable benefits of every major business initiative and assign accountability for achieving those benefits.
- Remember to leverage the platform for business agility (short-term growth) while innovating off the platform for long-term growth.
- Invest in your people!

MIT CISR Summer Session 2010

Generating Business Value from IT: Leadership Challenges in a Digitized World
~ A series of five one-day workshops on how to make IT a strategic asset

Monday, June
14 –
Friday, June 18
2010



**Workshop
Location:**
MIT Sloan School
of Management

Monday, June 14
**Maximizing Business Value
in IT Savvy Firms**

Tuesday, June 15
**IT Leadership
in a Business Transformation**

Wednesday, June 16
**Driving Competitive Advantage
Through Agility and Innovation**

Thursday, June 17
**The IT Unit of the Future:
New Technologies, New Designs**

Friday, June 18
Engaging All Executives in IT Decision Making

For more information or to apply to attend, please go to <http://c isr.m it.edu/events/calendar/c isr-summer-session/>

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