



High performance. Delivered.

Solutions for Supply Chain Visibility

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March 2006

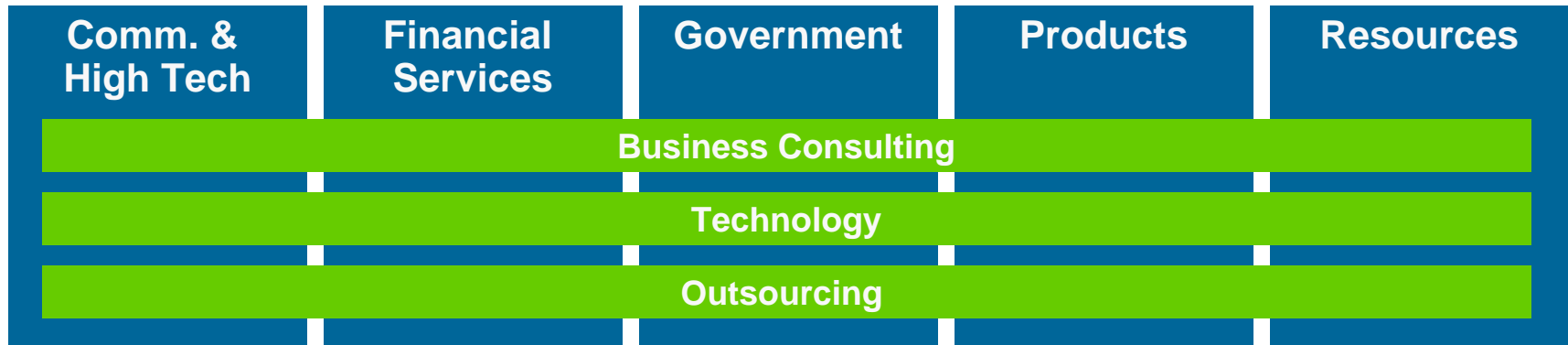


Overview of Accenture

Accenture is a global management consulting, technology services and outsourcing company. We use our industry and business process knowledge, our service offering expertise and our insight into existing and emerging technologies to identify new business and technology trends. We help clients:

- Identify and enter new markets
 - Increase revenues in existing markets
 - Improve operational performance
 - Deliver their products and services more effectively and efficiently
-
- FY05 revenues of over \$15 billion, with an average annual growth rate of 16% over the past 15 years
 - Over 126,000 professionals in 48 countries and 110 offices
 - We serve 84 of the *Fortune* Global 100, two-thirds of the *Fortune* Global 500 and government agencies in 26 countries.
 - Of our top 100 clients in fiscal 2005, 96 have been clients for at least five years and 83 have been clients for at least 10 years.

Accenture’s capability groups create market-leading insights, innovations and capabilities to help our operating groups provide high-performance services and solutions to clients



Business Consulting

- Customer Relationship Management
- Finance & Performance Management
- Human Performance
- Strategy
- **Supply Chain Management**

Technology

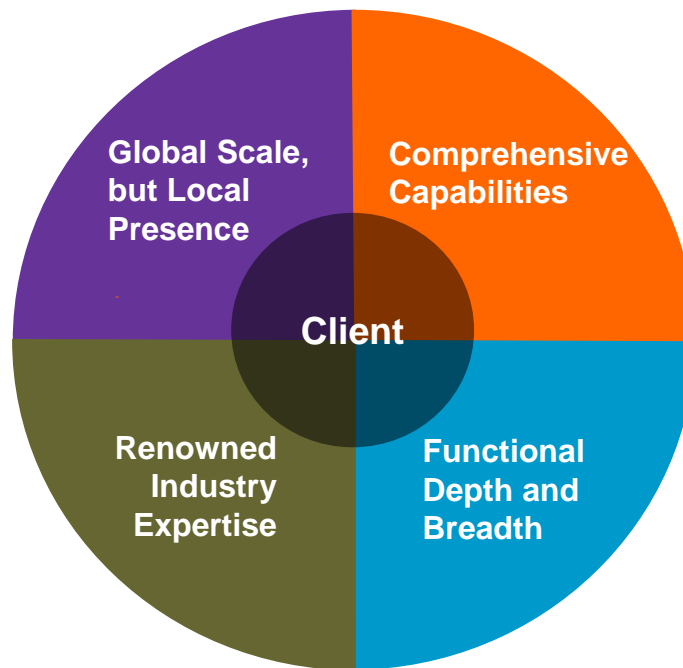
- Information Management Services
- Enterprise Solutions
- Integration
- Infrastructure Consulting Services
- IT Strategy & Transformation
- Microsoft Solutions
- Mobile Solutions
- Research & Development

Outsourcing

- Business Process Outsourcing (including Accenture Procurement Solutions)
- Application Outsourcing
- Infrastructure Outsourcing

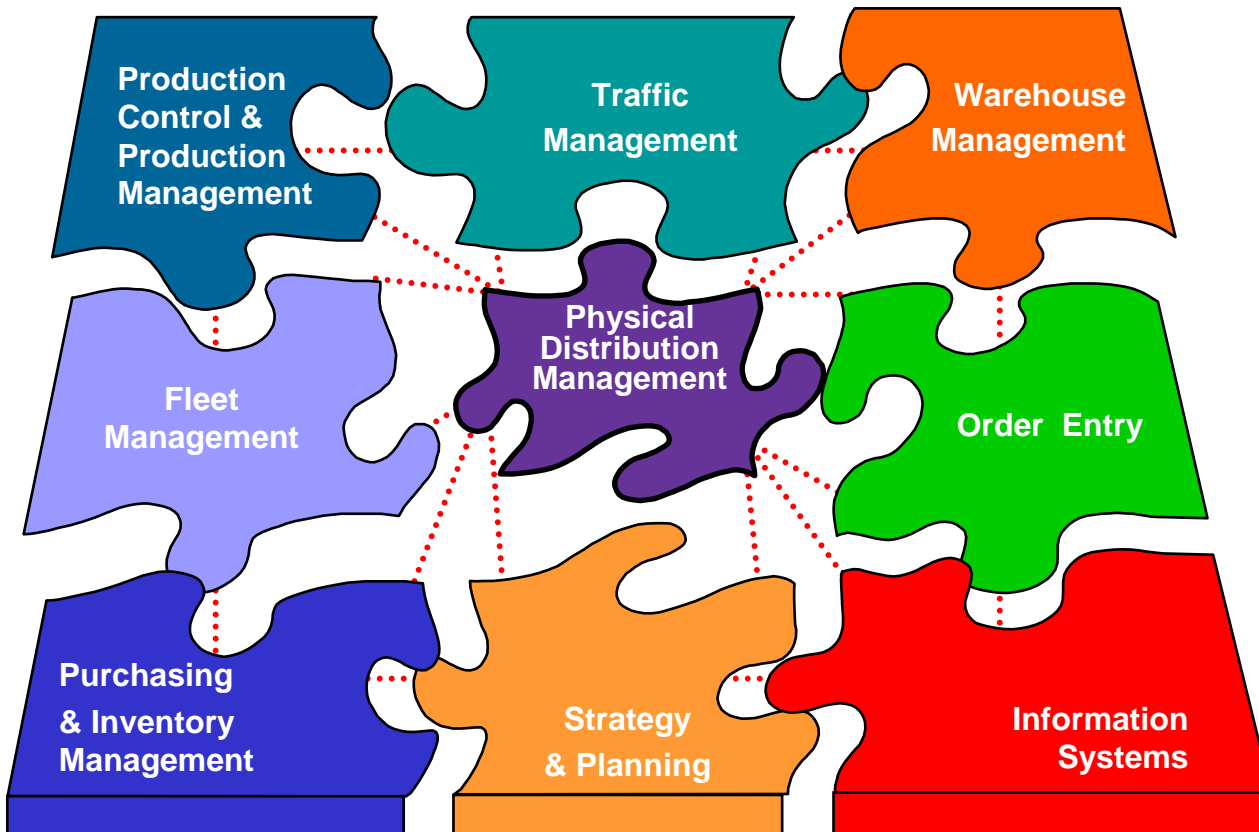
From strategists to operators, our Supply Chain community is the largest independent practice in the world with a broad set of industry-specific capabilities and offerings

- Over 7,500 professionals within global supply chain community
- More than 48 countries
- Proven extended supply chain expertise
- Industry-leading CPG-specific expertise & experience
- Hands-on operational approach
- Consulting, technology, and outsourcing skills



- Supply Chain Transformation
- Global operations
- Manufacturing
- Planning & Execution
- Sourcing and Procurement
- Fulfillment and Product Flows
- Transportation
- Pricing and Promotion Optimization

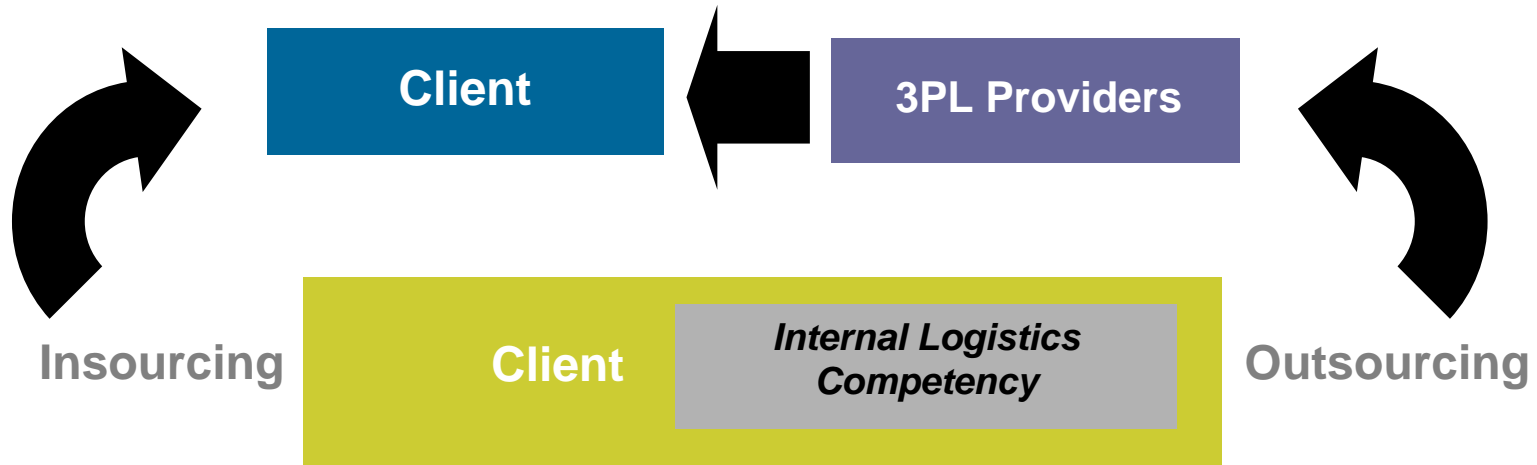
In 1980, there was very little integration of supply chain activities



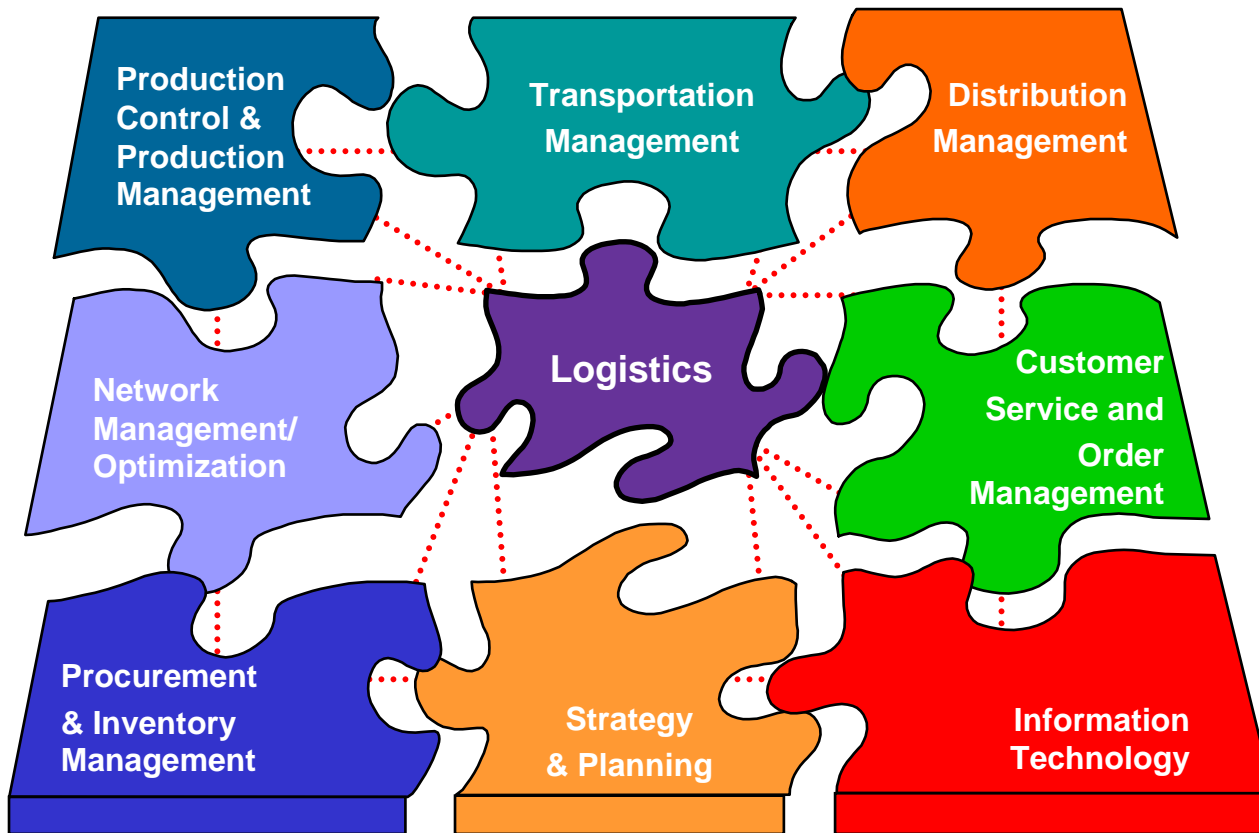
Key Concepts

- Inventory Buffers
- Economy of Scale
- Vertical Integration
- No outsourcing

Prior to the 1990's, the idea of logistics outsourcing was more widely accepted



During the 1990's logistics activities have become more closely connected



Key Concepts

- Transportation Excellence
- Third Party Logistics
- Multinational Logistics
- Decision Support Tools
- Y2K & IT investment

The integration of logistics activities has been greatly added by the dramatic increases in computing power. Costs for computing and data transmission are trending to zero

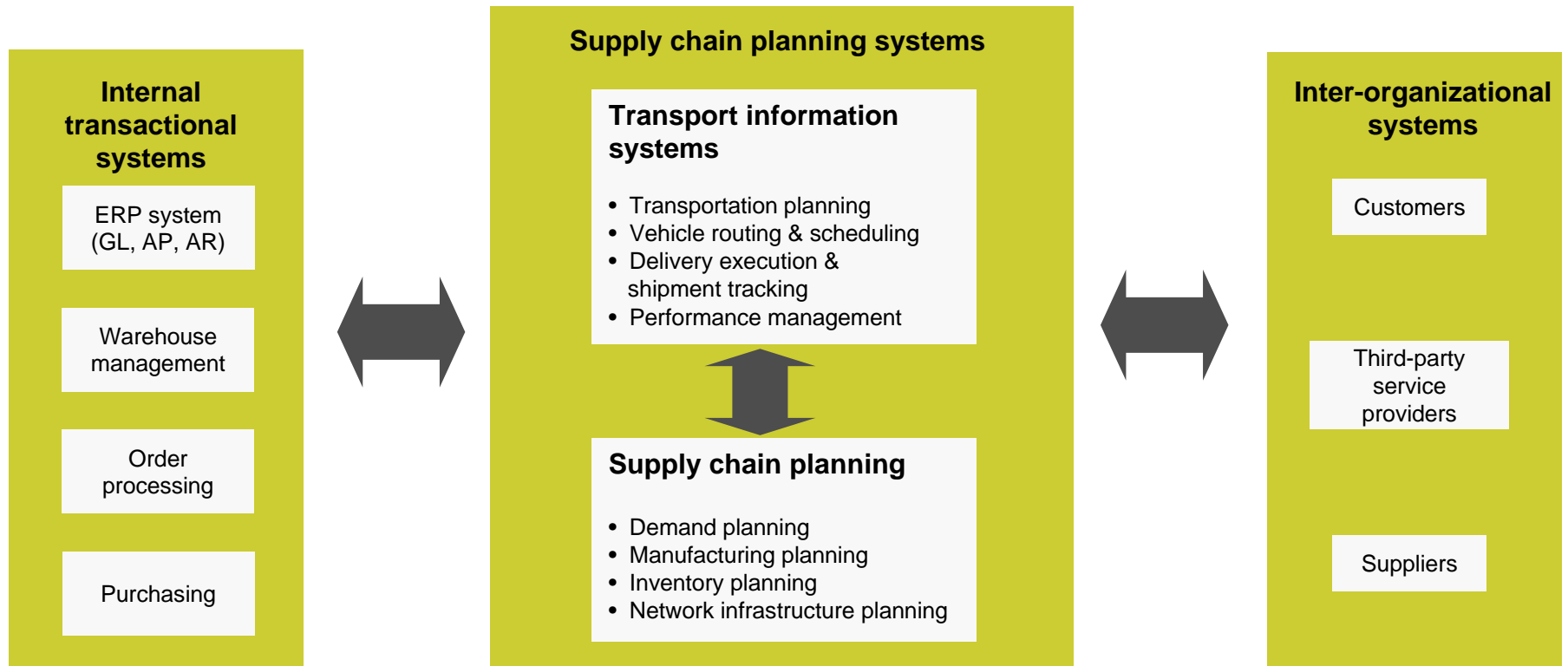
These rapid increases in power and reduction of costs meant:



- Pervasive Data
- Transmitted free
- In any volume
- At any time

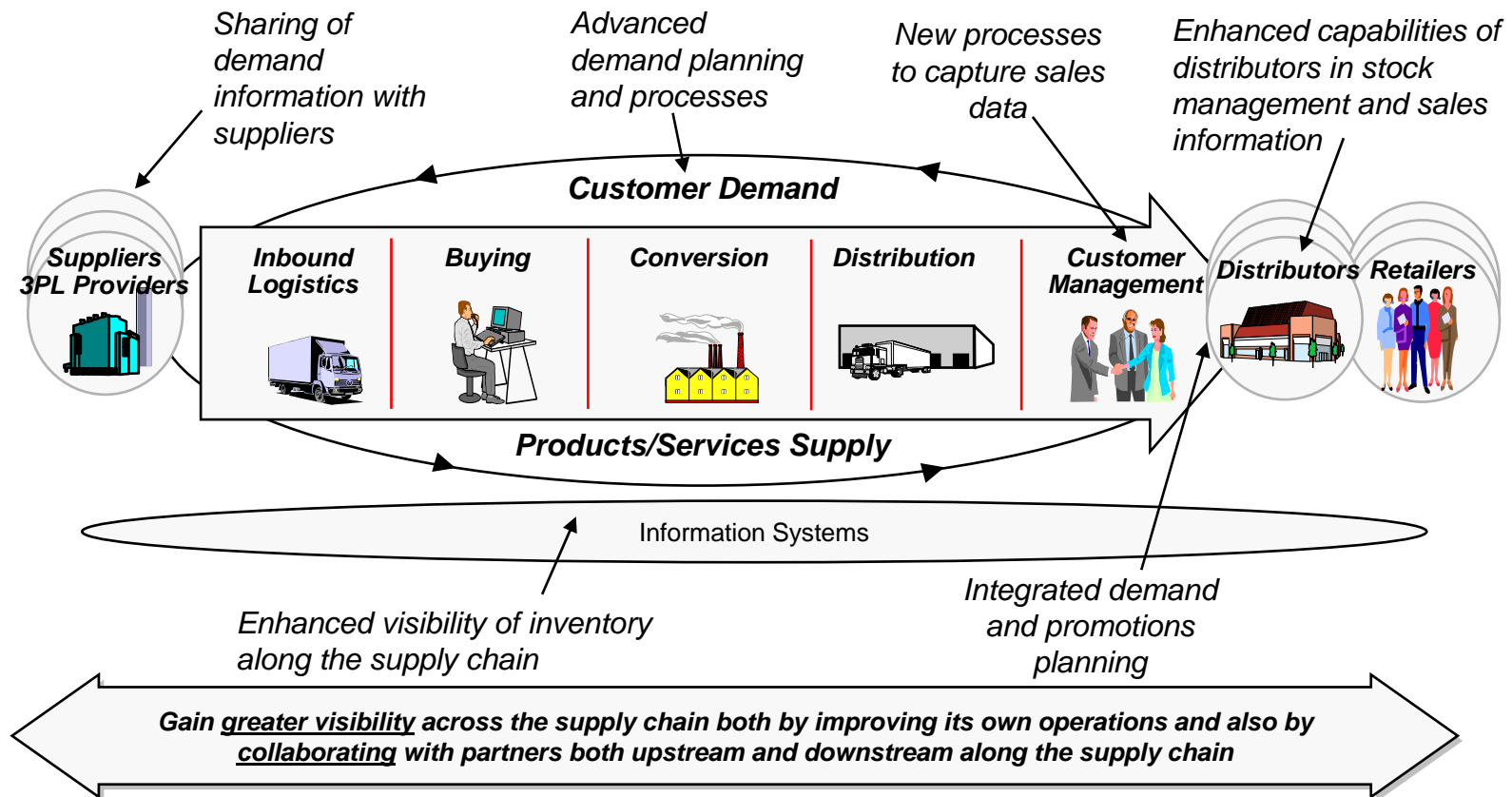
Hence the rise of e-Integrated Supply Chain

Growth in supply chain technology has forced customers, suppliers and third-party logistics providers to become more closely integrated in their supply chain activities



* Source: John Gattorna (ed.), "Strategic Supply Chain Alignment," 1998.

Since the turn of the century the focus has been on synchronization and collaboration across the entire Supply Chain

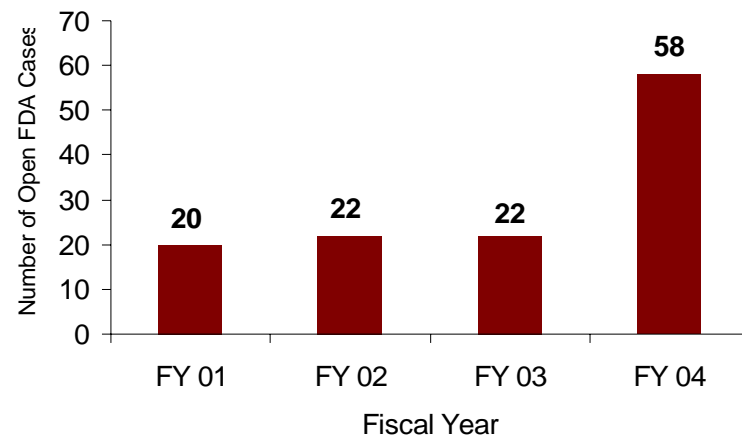


Compliance with federal programs has driven greater visibility needs throughout the supply chain

- *Bioterrorism Preparedness and Response Act of 2003*
- *Proposed – Reducing Fraudulent and Imitation Drugs Act of 2006*

“Adoption and common use of reliable track and trace technology...would help secure the integrity of the drug supply chain by providing an accurate drug pedigree”

FDA Counterfeit Drug Cases

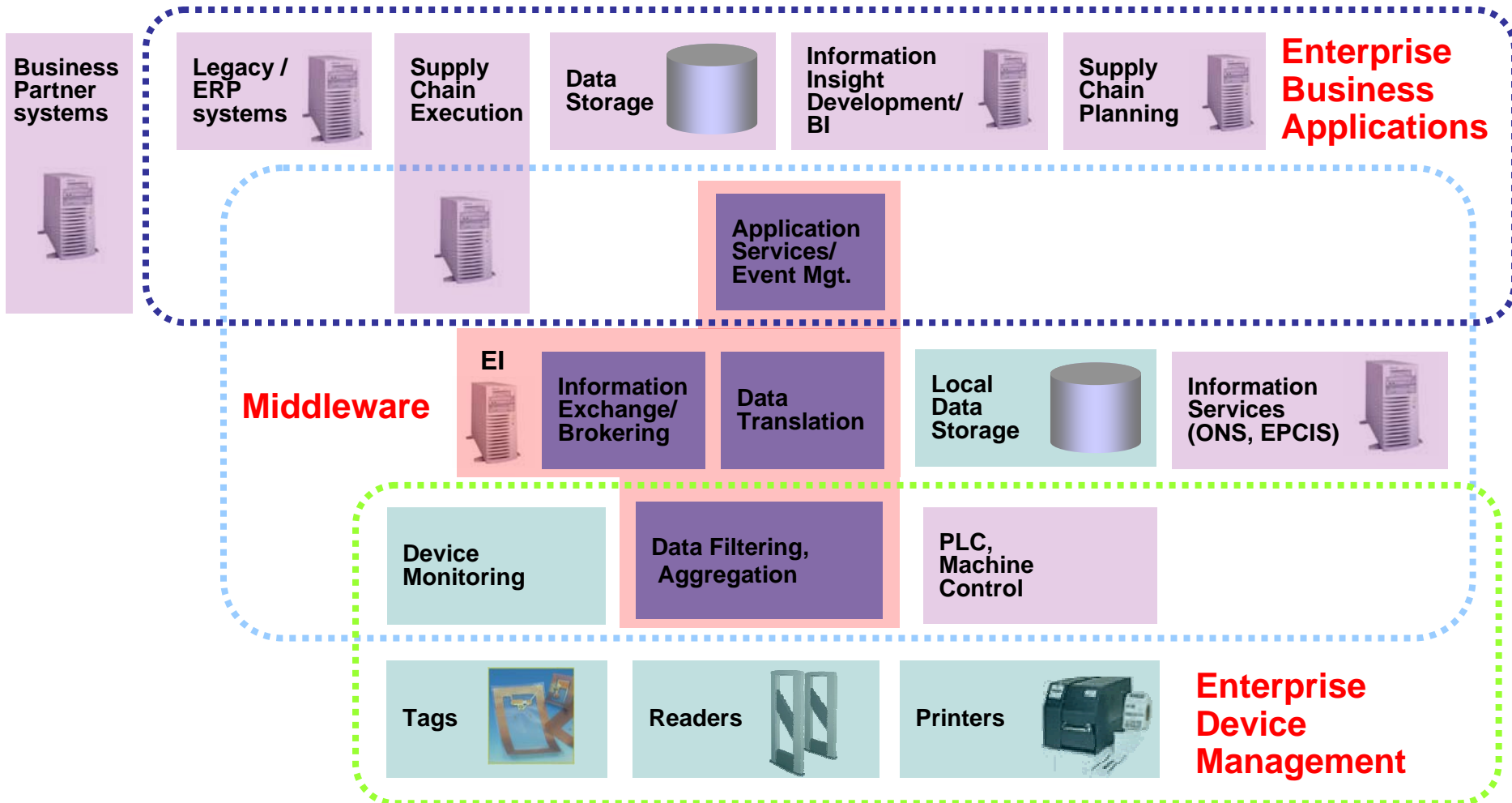


Source: “Combating Counterfeit Drugs”, FDA, Feb 2004

- Capturing and analyzing supply chain data that informs decision-making, mitigates risk, and improves processes¹
- Supply Chain Visibility is the ability to view and manage the flow of goods, documents, services and funds through all Supply Chain nodes and links from order to cash, supported and facilitated by the appropriate decision support technology

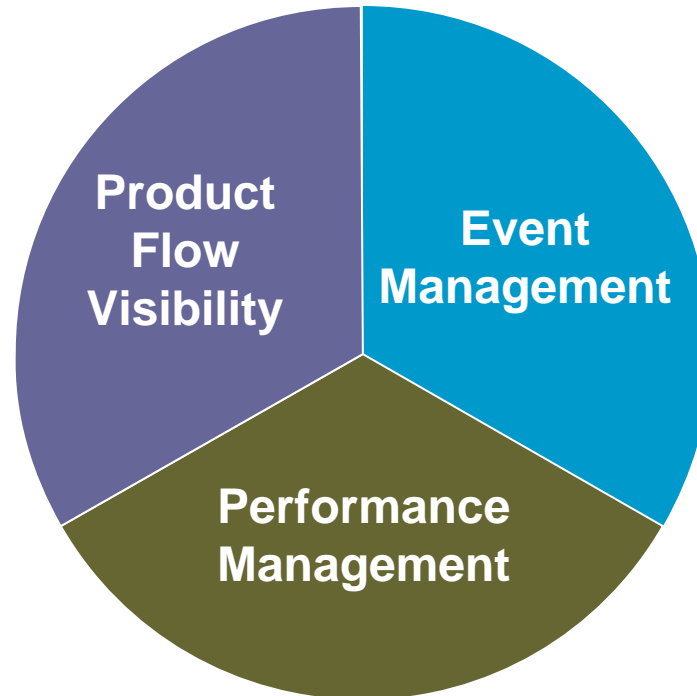
Source: ¹*“Supply Chain Visibility Defined,” April 24, 2003, Forrester Research*





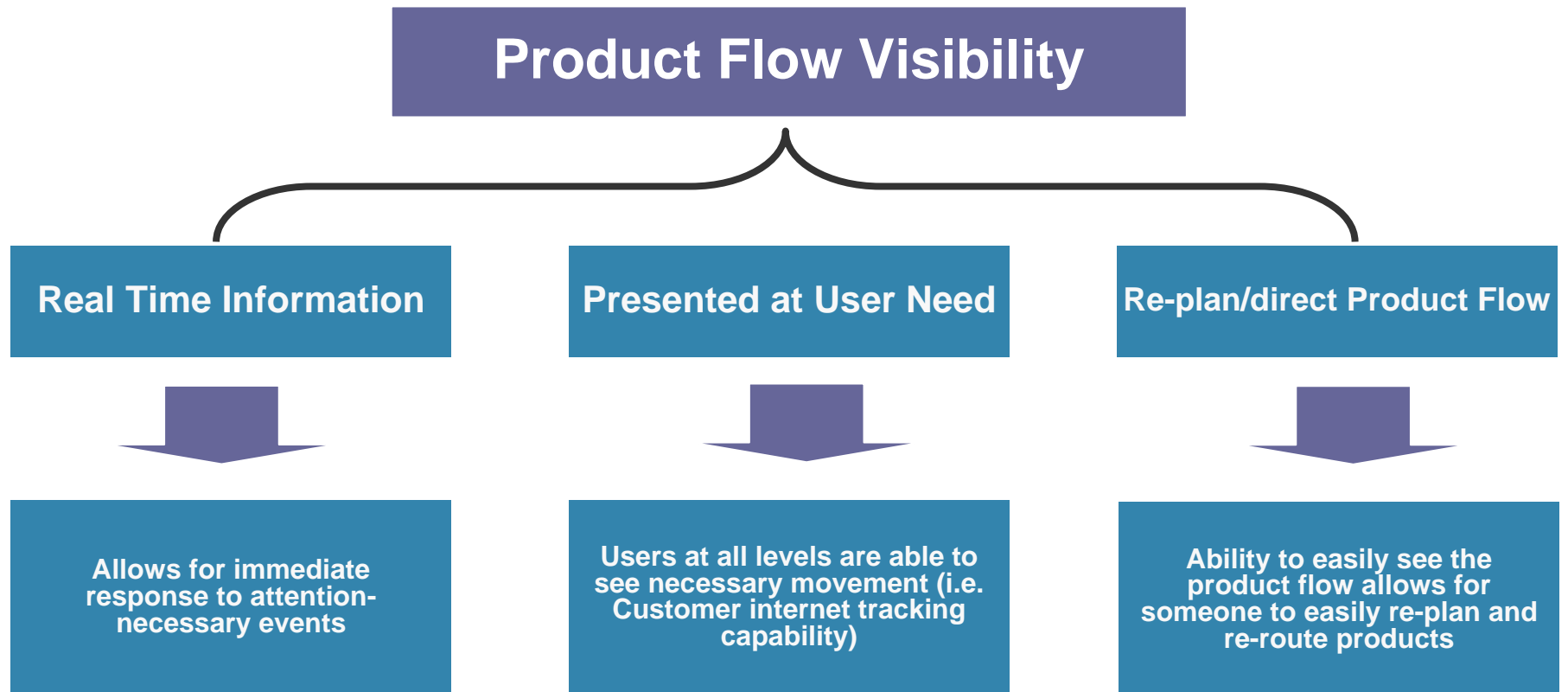
Supply Chain Visibility addresses three core benefits

- Real time information
- Information presented based on user need
- Ability to re-plan, re-direct product flow



- Forecast events
- Real-time information on actual events
- Proactive notification of failures
- Information goes to the people that need it

- Quantitative performance data
- Performance accountability
- Continuous performance improvement opportunities



Event Management

A hierarchical diagram showing "Event Management" at the top in a blue box. A bracketed line connects it to three sub-categories in blue boxes: "Forecast Events", "Proactive Notification of Failures", and "Information Goes to People that Need It". Below each sub-category is a blue arrow pointing to a descriptive text box.

Forecast Events

Analysis of supplier, customer, and internal business processes allows for more comprehensive forecasting of events

Proactive Notification of Failures

Notification of out-of-tolerance events allows for issues to be identified prior to becoming full-fledged failures

Information Goes to People that Need It

Extraneous data sets are avoided and people receive only the information they need to perform their function

Performance Management

A hierarchical diagram showing "Performance Management" at the top in a dark green box. A bracketed line connects it to three blue boxes below: "Quantitative Performance Data", "Performance Accountability", and "Continuous Improvement Opportunities". Each of these boxes has a downward-pointing arrow leading to a larger blue box containing a descriptive text block.

Quantitative Performance Data

Visibility of each element provides exact statistical event detail (i.e. Average time-in-transit per supplier)

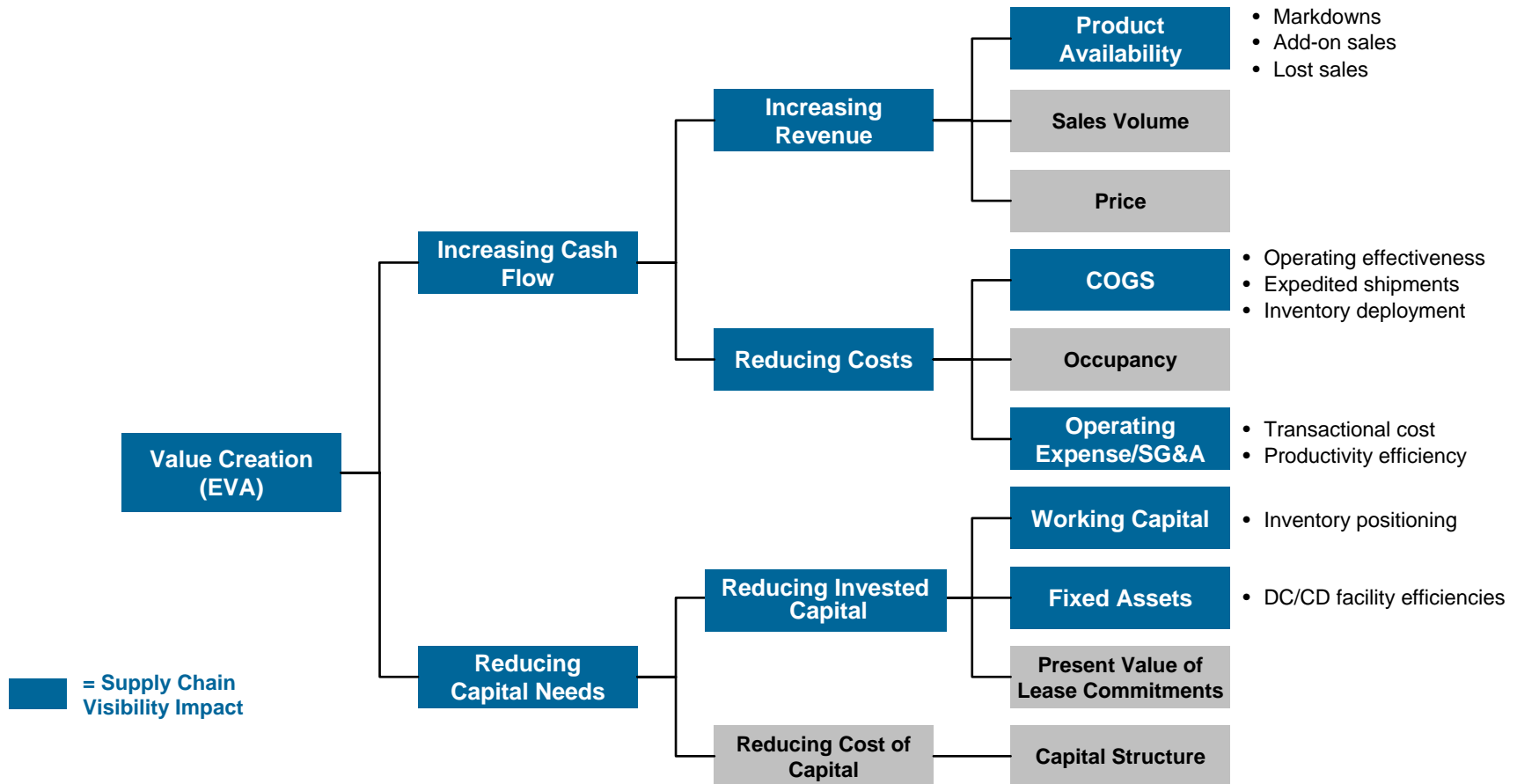
Performance Accountability

Based on performance data, metrics for productivity, quality and other categories can be generated

Continuous Improvement Opportunities

With continuous examination of all visible elements comes the ability to improve those elements

The end mission of Supply Chain Visibility is to drive creation of value





Technology

Cross-enterprise
cooperation and
collaboration

Information Overload

Information technology and formats may not prove compatible across multiple vendor lines

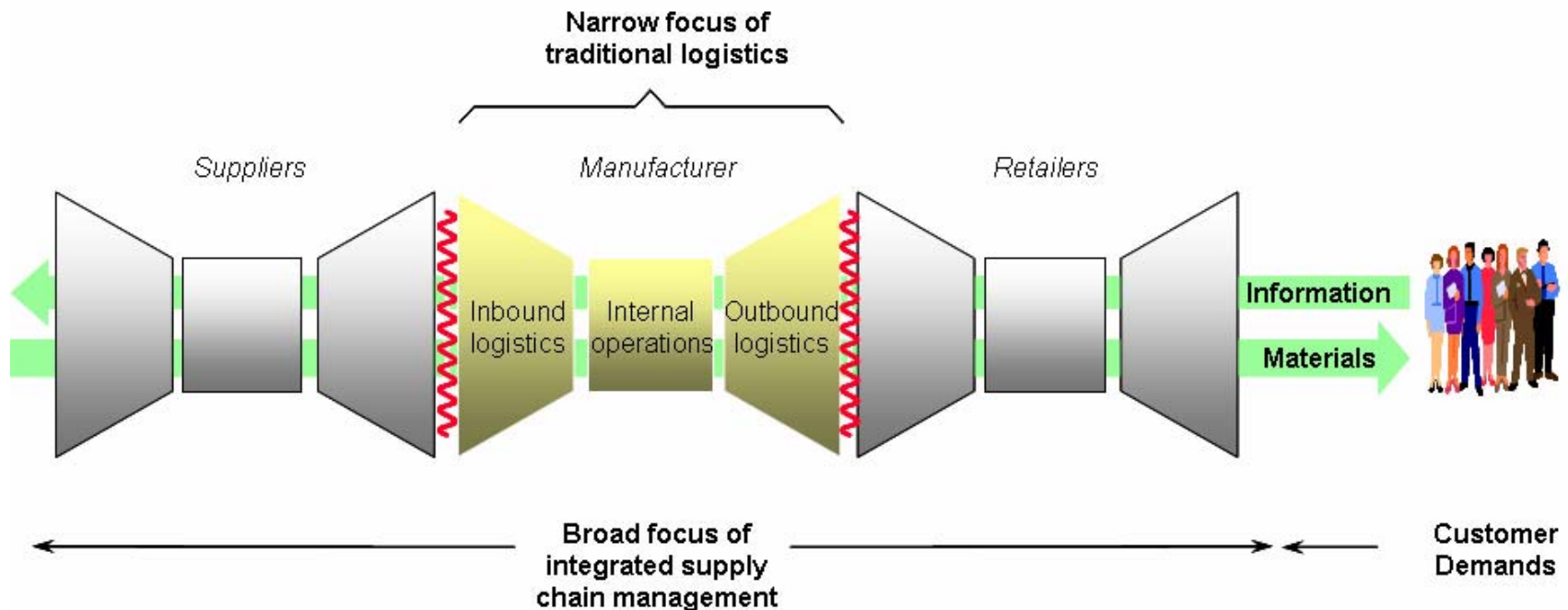


- Service providers such as courier services may not be able to provide shipment visibility in compatible formats for integration into your infrastructure. This is especially true in inter-modal formats.

- Trust issues may exist that bar information sharing between department and company lines. Entities may not want to provide visibility to all processes in the event that deficiencies might become more apparent
- Concern over potential privacy issues may also bar open information sharing

Increasing Supply Chain Partners – Globalization, mergers/acquisitions, e-business and outsourcing have impacted enterprises by expanding their supply chain channels through a greater number of external supply chain partners and relationships. If information is not shared freely among an enterprise's extended supply chain community, undetected business process events and exceptions result in inefficiencies.

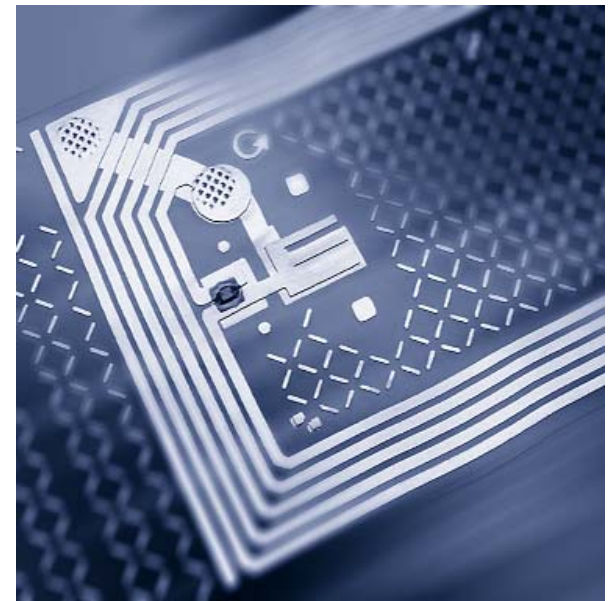
To continue to add value through logistics, companies will need to look wider than their own business boundaries to integration with other companies in their supply chain.



- Wholesale visibility can quickly create massive amounts of data to analyze
- Users may become overwhelmed and unable to effectively manage the data stream
- System architecture must take into account user level needs and direct visibility to information based on that need

- Automatic event management technology will continue to evolve and mature
- Eventually fully automated responses will occur for a large number of out of tolerance events such as inventory min/max alerts, management alert of shipments exceeding stay durations, and customer alerts of potential delays in order receipts

- With further maturity of the RFID market, system capabilities will increase and relative cost will decrease
- Real time data capture will become easier and more ubiquitous



- Concern over protection of materials will grow from both government and private industry bodies
- Increased RFID use will provide another layer of visibility to product location and status, allowing for greater security of the product

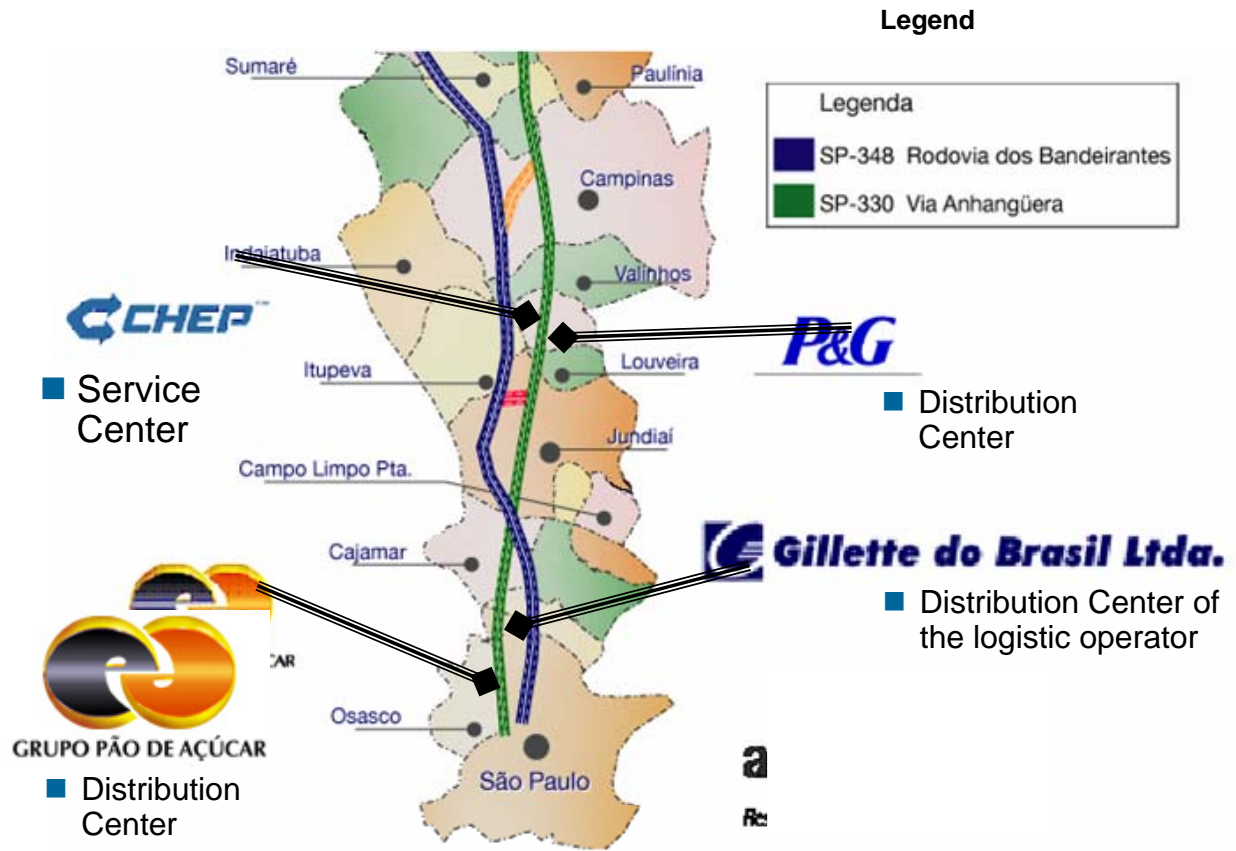
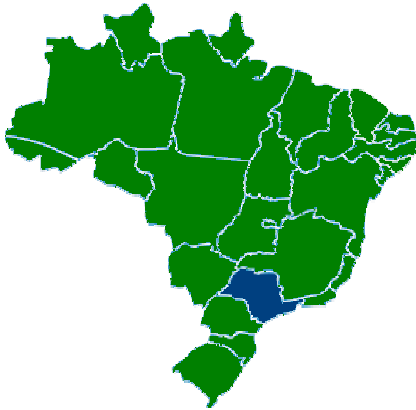






Future: Deeper Collaboration

- Increased collaboration efforts will push for greater use of standardized data formats between companies and vendors
- Companies will have greater input into the supply chain practices of their vendors

The EPC Brazil Pilot was developed at the participants' facilities in the vicinities of the City of São Paulo



CBD, Gillette, P&G and CHEP developed a joint effort for the utilization of the RFID/EPC solution in Brazil, with the support of Accenture

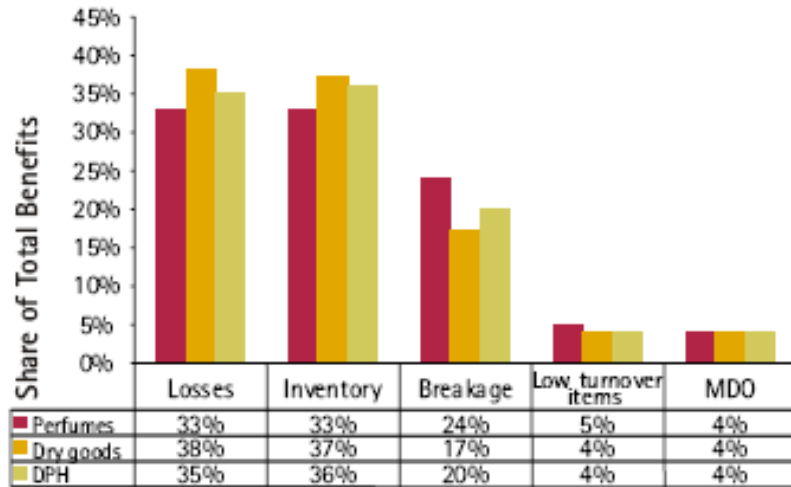
Initiatives developed	2003	2004	2005	2006
Evaluation of Opportunities for the Utilization of the RFID/EPC solution in Supply Chain in Brazil				
EPC Brazil Pilot Supply Chain of the Future				

- Targeted focus was on the Receiving and Dispatching processes
- 1000 tagged pallets circulated among the various DCs jointly with the other pallets during a two month period, according to the existing commercial and logistic processes
- Tagged pallets were circulated and monitored in a collaborative process between clients
- The movement of pallets was monitored by the communication network implemented and documented in a specific database utilized during the Pilot
- RFID Portals were installed in the various Distribution Centers and all the required applications and the whole communications network, based on the Global EPC standards, were developed
- The implementation of the infrastructure demanded the interaction of the various suppliers and specific adjustments to each site

- The installed infrastructure worked in the most adequate manner according to the initial expectation
- The reading rate obtained was of 97%, which can be considered within the average of results obtained in other pilots already developed
- The operational teams did not have any difficulties in the understanding and utilization of the solution
- The processes established and the communication network implemented allowed a higher visibility and accuracy in the Supply Chain

- Increased sales and margin
 - Reduction of 10% in the damages at the distribution centers of the retailer and the manufacturer
- Reduced costs
 - Increase of 3% to 12% in workforce productivity
 - Reduction of 18% to 26% in inventory losses
 - Reduction of 10% in the cost of maintaining inventories
 - Reduction of 2% to 5% in returns
- Reduced stock levels
 - Reduction of 10% in inventory levels
 - Reduction of 10% in low turnover items

Composite Benefits for Retailers



Composite Benefits for Industry



Benefits vary according to each participant

- Availability of qualified personnel to implement and operate the system
- Absence of associated metrics
- The need for establishing collaborative relationships with partners and boosting external information exchange
- Costs of capital for initial investment

- In Brazil, large suppliers of consumer goods have already begun internal testing programs with EPC and exporters have been getting demands for tagging products they sell to their foreign customers
- Use of this solution should concentrate on identifying opportunities and developing a collaborative atmosphere within their extended supply chain
- With the benefits possible, it would seem this is a technology that will radically improve visibility within the supply chain