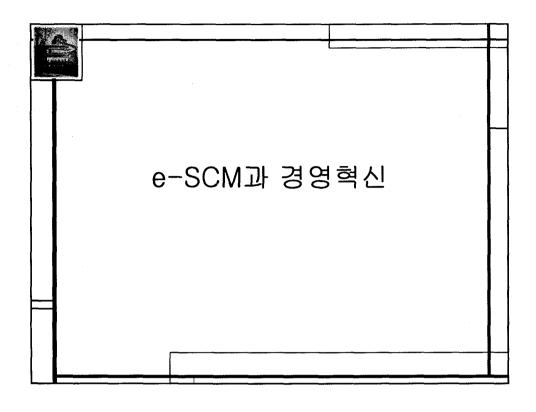
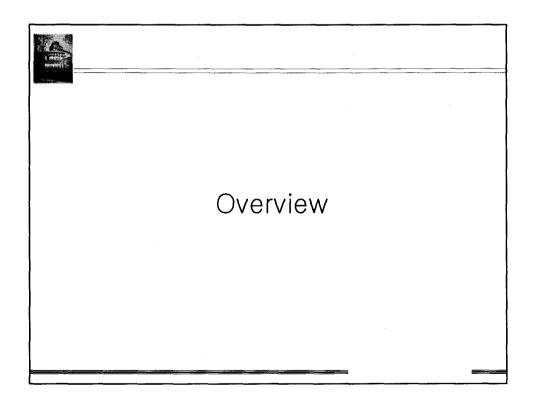


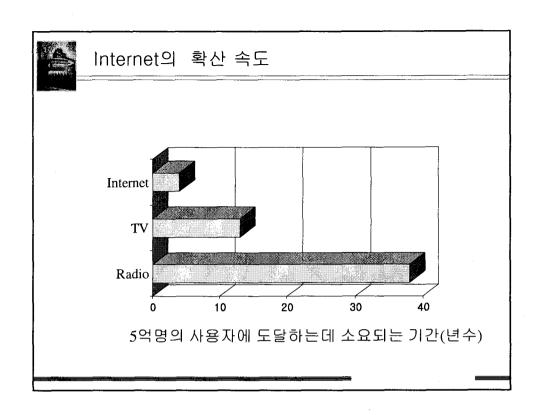
e-SCM과 경영혁신

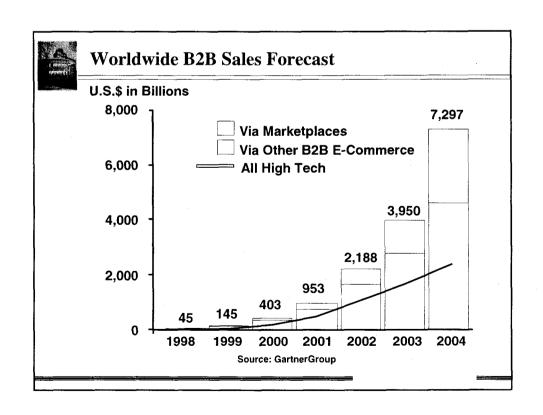
김태현 교수 (연세대학교)

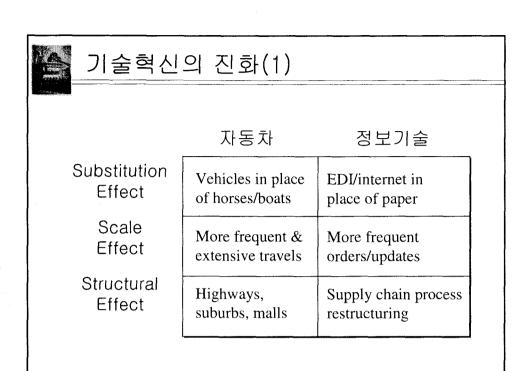
KLA 사한 한국물류협회

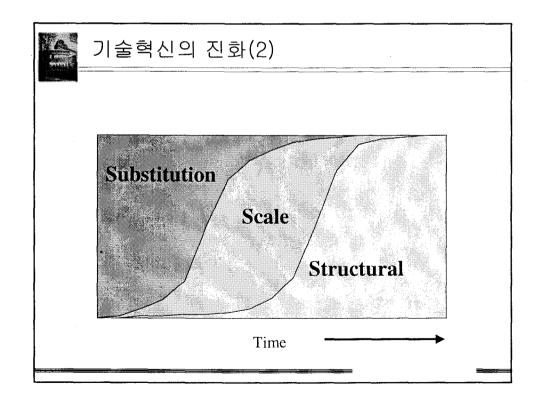


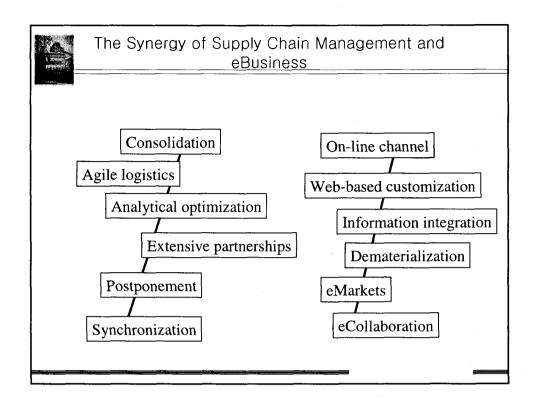


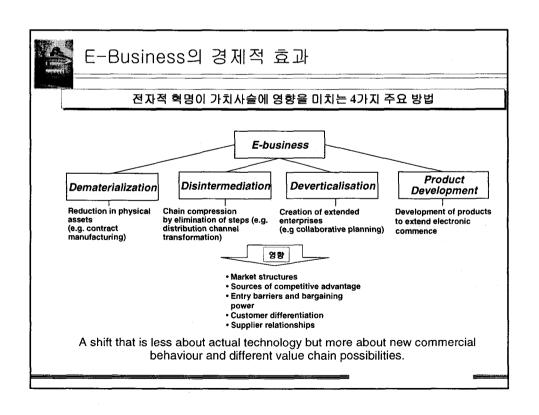














Opportunities of eBusiness

	SC Integration	E-Markets
Substitution Effect	Workflow automation	Internet-based procurement
Scale Effect	Info-integration using standards	Aggregate buys, auctions
Structural Effect	Collaborative planning	Intelligent coordination & collaboration



RosettaNet

R@SETTANET=

- An independent, self-funded. | IT Board: non-profit consortium to develop and deploy standard electronic commerce interfaces to align the processes between supply chain partners.
- Launched in June 1998.
- More than 60 companies representing \$600 billion in annual revenues as members in electronic components and IT industries.

Manufacturer: 3Com, Cisco, Compaq, HP, IBM, Intel, NEC, Quantum, Siemens, Solectron, Toshiba

Retailer/distributor: CompUSA, Computacenter, EDS, Inacom, Insight, MicroAge, Office Depot, Arrow, Avnet, CHS, Ingram Micro, Tech Data

Others: Lucent, AMEX, GSA, Microsoft, Netscape, Deutsche Financial, FedEx, UPS, GEIS, pcOrder, SAP



RosettaNet Standards

- Utilization of HTML/XML
- Common definition of standard dictionaries.
- A 14-digit Global Trade Item Number (GTIN) provides standardized product identification numbers.
- Adoption of standard e-Business process dialogs -- Partner Interface Processes (PIPs), for product management, order and inventory management, and service/support.

ROSETTANET



Over 100 PIPs Defined

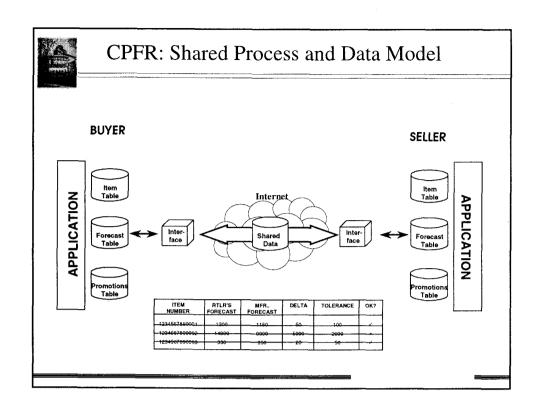
- Partner/Product Review
 - partner review
 - product / service review
- Product Introduction
 - preparation for distribution
 - product change notification
- Marketing Information Management
 - lead management
 - promotion management
 - design win management

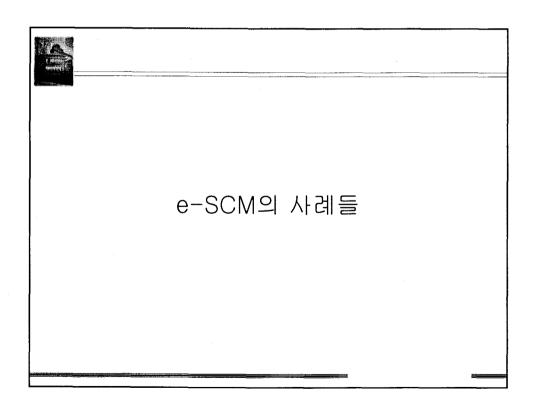
- Order Management
 - quote & order entry
 - transportation & distribution
 - product configuration
 - returns & finance management
- Inventory Management
 - price protection
 - collaborative forecasting
 - allocation & replenishment
 - inventory & sales reporting
 - ship from stock & debit/credit

Service & Support

- warranty management
- asset management
- technical support and services

ROSETTANET





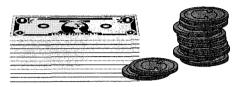


Complementary Value of Supply Chain Management and e-Business

Best supply chain practices



E-Business initiatives



E-Business and supply chain management

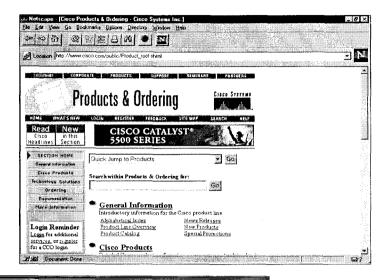


Value Propositions

Initiatives	Drivers	Examples
Intelligent eMarkets	Intelligence & e- commerce	Cisco Dell
eFulfillment & new products	Agile logistics	7dream.com,
Speedy new product/service	Partnership & integration	Adaptec
Mass customization	Postponement & design for SCM	WeWalk.com,



Cisco Connection Online





Power of the Internet at Cisco



- \$13.4 Billion internet sales (84% of total).
- 55% outsourced manufacturing, using a network of suppliers and contract manufacturers.
- \$825 million annual savings from use of internet.
- 25% faster time to market, LT reduced by 75%.
- No growth in overhead with rapid growth.
- 60% + Gross Margin.
- \$700K revenue per employee.



Why a Private e-marketplace?



- Cisco is a dominant player in its supply chain
- Cisco has invested significant infrastructure and automation in SCM
- Cisco's Private e-marketplace is a natural extension of existing SCM practice and capability



Cisco's New eHub



- Global B2B supply chain collaboration and optimization portal.
- Extended visibility for 2000-3000 partners
- Exception identification and alerting.
- Resolution path identification.
- Shared performance measurement & reporting.
- Robust supply planning.





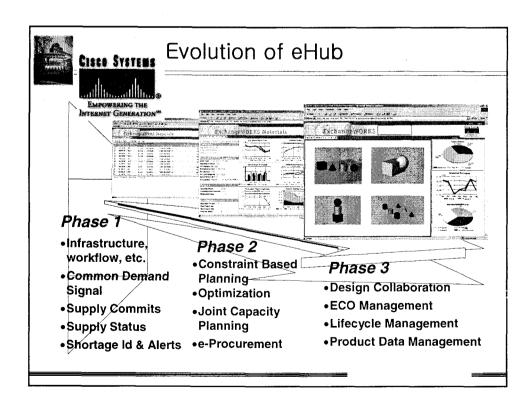
Provides XML integration and data transportation protocols. Develop Cisco's PIPs / extracts from Oracle

PRICEWATERHOUSE COOPERS 1



Provides rollout planning, implementation toolkit, change strategy, and communications

Provide supply chain application, workflow, analysis, reporting, and messaging capability

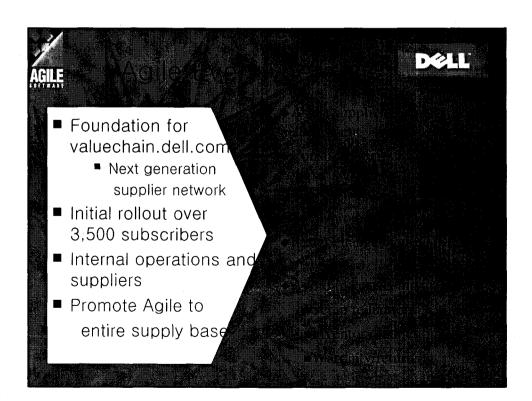




Expected Benefits



- Total end-to-end visibility to suppliers, contract manufacturers, distributors and Cisco.
- Single demand signal used by all.
- Better capacity planning and allocation of constrained materials.
- Shorter lead times, higher availabilities, less expediting.
- Improved partnership relationships.
- Proactive SCM as opposed to reactive SCM.



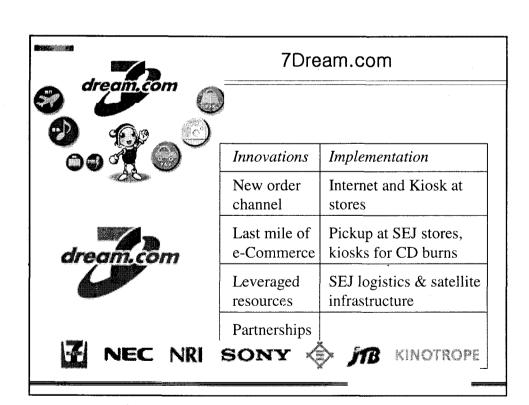


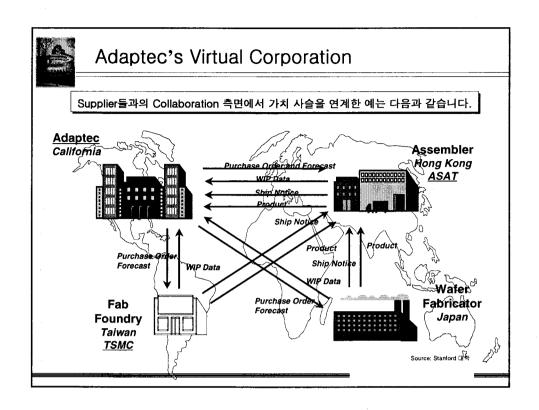
An Information-Smart Retailer: Seven-Eleven Japan



- Largest convenience store chain in Japan (\$17B annual sales) with 7,000 outlets (1,200 sq. ft each)
 - #1 in fast foods
 - #1 in battery, ladies stocking sales
 - #2 in paperback/magazine sales
- 55 Inventory turns/year

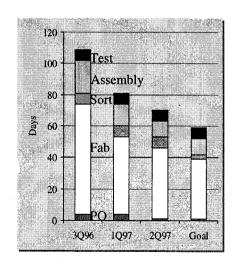
- Extensive use of information:
 - ✓ Shelf space configuration
 - ✓ Merchandising
 - ✓ New product development
- Agile logistics
 - ✓ Sharing info with suppliers
 - ✓ Frequent replenishment
 - ✓ Coordinated shipments



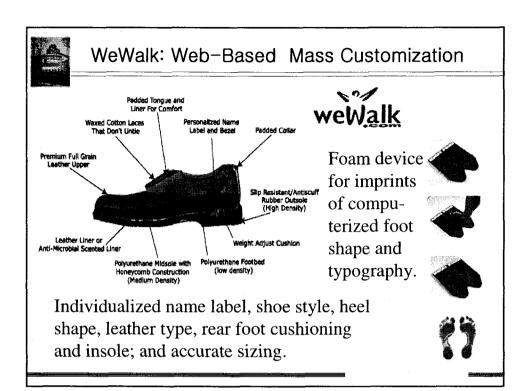




Benefits of Integration(Adaptec)



- Increased coordination among partners
- Drastic reduction in cycle time (40%) and inventory (25%)
- Ongoing savings: \$1.5M/year
- Improvement in customer satisfaction
- Shortened NPI time
- Earlier detection of quality problems
- Improved ROA & profitability
- Benefits to supplier: less "bullwhip"





Excellent SCM Practices Behind the Scene

weW<u>alk</u>

- Target \$16B "comfort" footwear market (corporate, e.g., airlines, courier, hospitals, dept. stores, hotels; and personal, e.g., tourists, over 50's).
- Manufacturing in Thailand: 95% shells made to stock, then personalized to order (weight adjust plug and personalized insole added).
- Disintermediated distribution model to allow high values to customers.
- Dual response with additional capacity from Mexico in 2001.



Summary

- The internet can have substitution, scale and structural impacts to this supply chain.
- Complementary values of supply chain management and e-business.
- Using sound supply chain principles with ebusiness initiatives can create new business propositions.
- The stakes of not moving forward are huge.