

## The Asaba Group was retained by the Minority Business Development Agency (MBDA)

### **OBJECTIVE**

## Develop a position paper that provides insights to creating larger minority-owned businesses in the automotive industry

- Competitive trends and issues
- State of minority sourcing
- New growth imperatives
- Growth strategies and new business structures

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### **Key Points: Competitive Trends and Issues**

#### U.S. vehicle demand at peak of demand cycle

Rising gas prices and interest rates dampening demand

#### U.S. domestic market increasingly competitive

Increased competition from foreign manufacturers

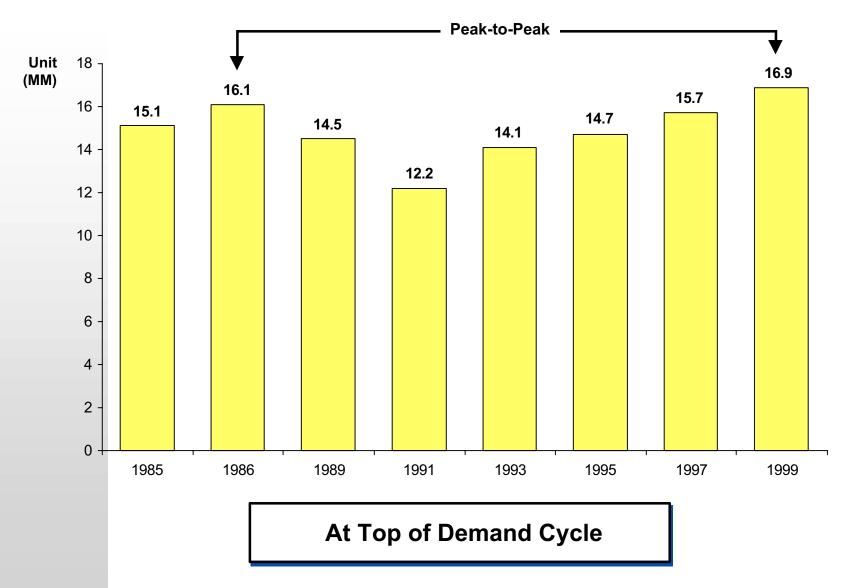
#### Manufacturers evolving new customer focused value proposition

- Focusing on revenue streams throughout vehicle ownership
- Changing demographic profile of U.S. consumers

#### Automotive suppliers under extreme competitive pressures

- Cost competitiveness pressures from OEM
- Industry consolidation
- Value chain reconfigurations

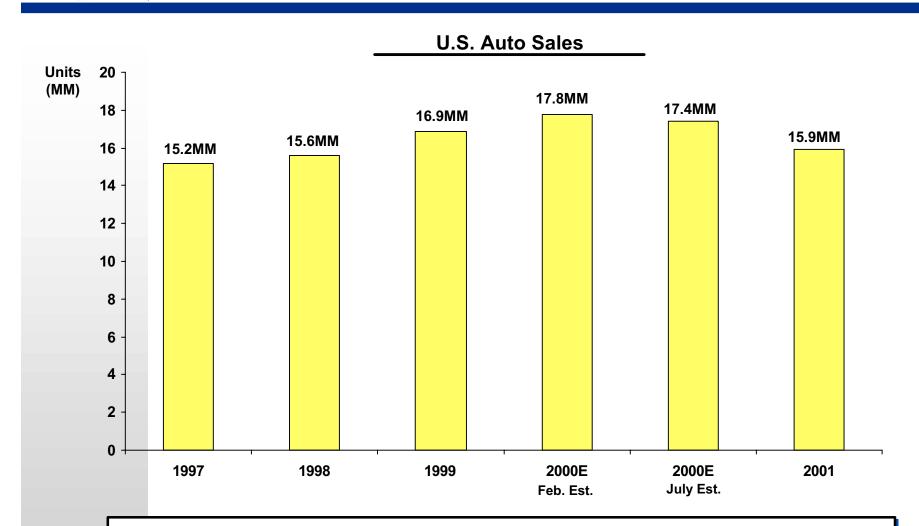
### **U.S. Auto Industry Saw Record Sales in 1999**



SOURCE: PWC; Salomon Smith Barney

### **U.S. Automotive Sales Forecast Revised Downwards**

Largely Driven by Rising Interest Rates and Gas Prices

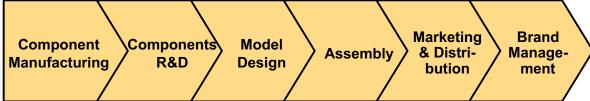


Downside of Industry Cycle Will Impact Industry Profits And Growth

## Auto Manufacturers Reshaping Their Value Proposition Focus On Building Customer Brand Loyalty

Focusing on marketing, distribution, vehicle design and integration

# Yesterday



- Value proposition developed around product specific strategies
- Suppliers role was "Build to Print"

#### **Future**

Vehicle Design

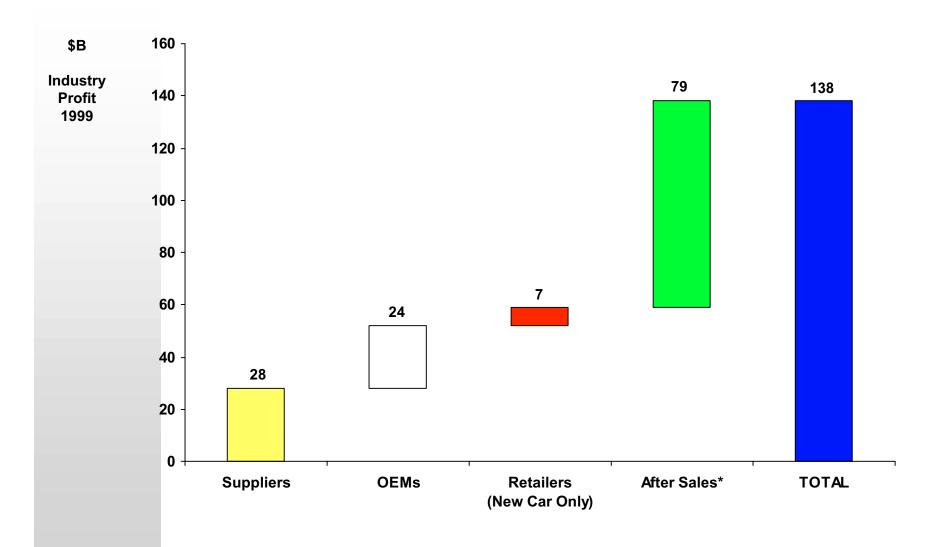
System/ Marketing and Brand Brand Management Management

Marketing Customer Relationship Management

- Value proposition lies in brand management and control of customer life time value
- Increasing reliance on automotive suppliers to design, engineer and manufacture systems
- Brand management developed around consumer segments and lifestyles
- Leveraging consumer insights and participating in downstream profit pools

Control of End-Consumer Automotive Experience Is a Strategic Imperative

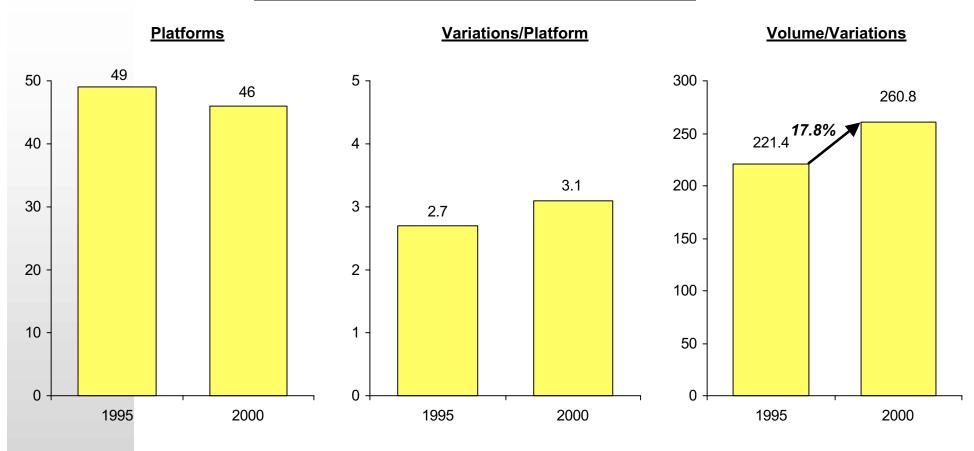
# **And Targeting Profit Pool In Downstream Revenue Sources**



<sup>\*</sup> Includes financial services, repair, maintenance, used cars and spare parts SOURCE: McKinsey & Company analysis

## **Auto Manufacturers Driving Global Platform Consolidation**Leveraging Fixed Cost Infrastructure

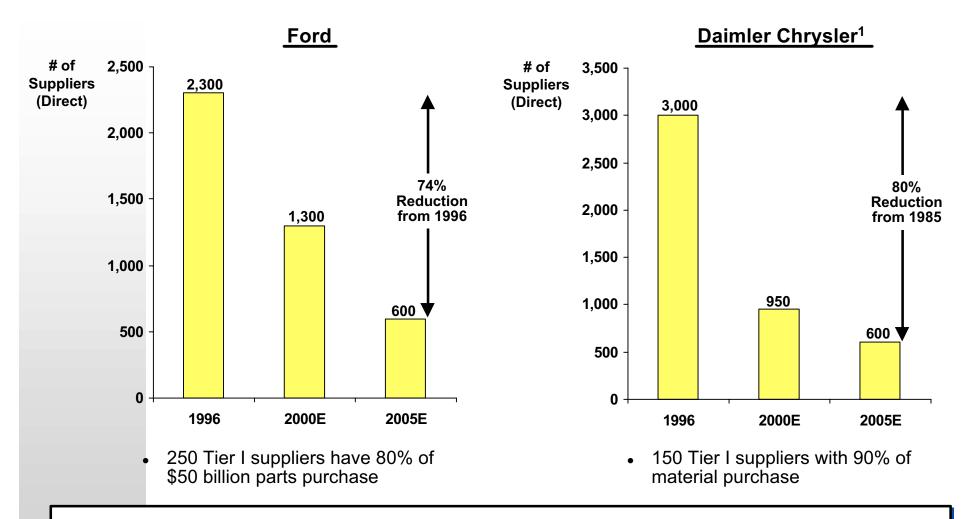
#### **Big Three North American Light Vehicle Platform Analysis**



**Drive Volume Increases on More Components** 

### **Auto Manufacturer Using Fewer Suppliers**

Moving Design and Manufacturing Tasks to Fewer Suppliers



Fewer Suppliers Now Responsible for Large Share of OEM Purchases

## **Automotive Suppliers Experiencing Several Competitive Pressures**

#### Innovation/ Technology

OEMs depending on innovation to drive growth in mature markets

- Demanding suppliers to drive the innovation process

# Supply Chain Management/ Rationalization

OEMs reducing Tier One suppliers selecting those with superior system integration and total solutions capabilities

- Global supply capabilities

### Forced Price Reductions

OEMs demanding annual price reductions e.g. (5% annual reduction)

- Automotive suppliers increasing productivity and efficiencies

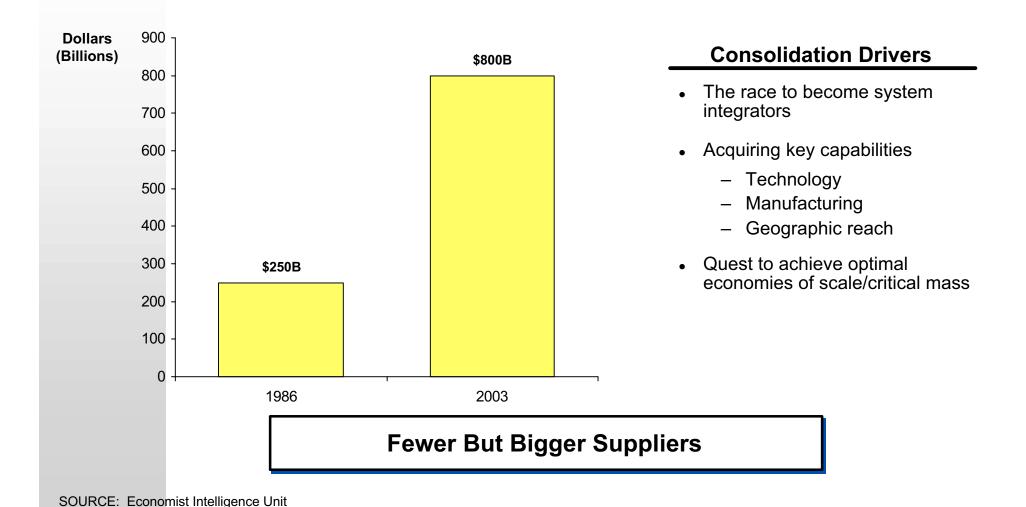
#### Globalization

OEMs off-loading design and supply chain coordination to suppliers

- Suppliers must learn to operate in multiple geographic locations simultaneously

### **Competitive Pressure Driving Supplier Consolidation**

In 1986; 30,000 suppliers in a \$250 billion industry; by 2003, 5,000 suppliers in a \$800 billion industry



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### Changing demographics driving new focus on the minority consumer

- Minorities fastest growing segment of entry level car buyers
- Forecasted to become a significant share of entry level car buyers

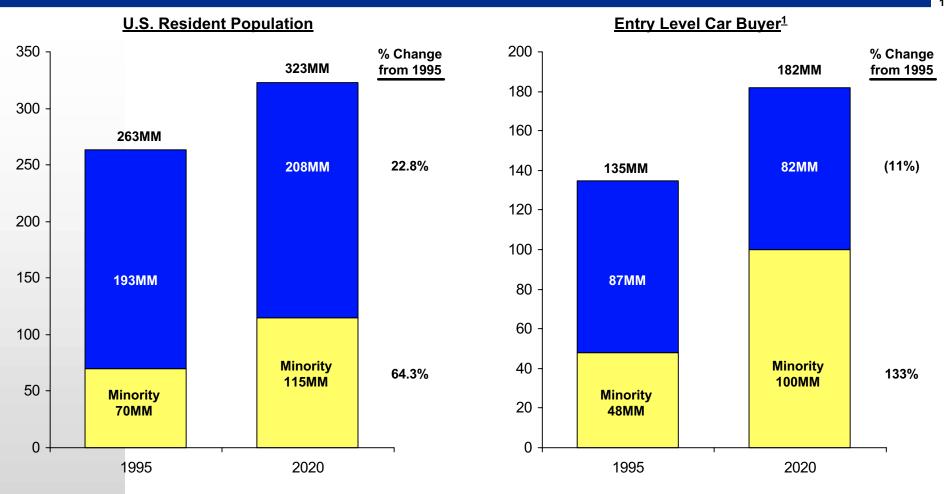
### Auto Manufacturers view minority sourcing programs as strategic

Minority sourcing spending levels have grown faster that industry unit sales

### Minority sourcing by commodity category provides some insights

- Reflects the profile of available minority suppliers
- Concentrated in raw materials, material processing and non-production

## Changing Demographics Driving OEMs to Focus on Minority Consumers



**Entry-Level Car Buyer Will Be More Multicultural** 

## **Auto Manufacturers Leveraging Minority Sourcing Programs**

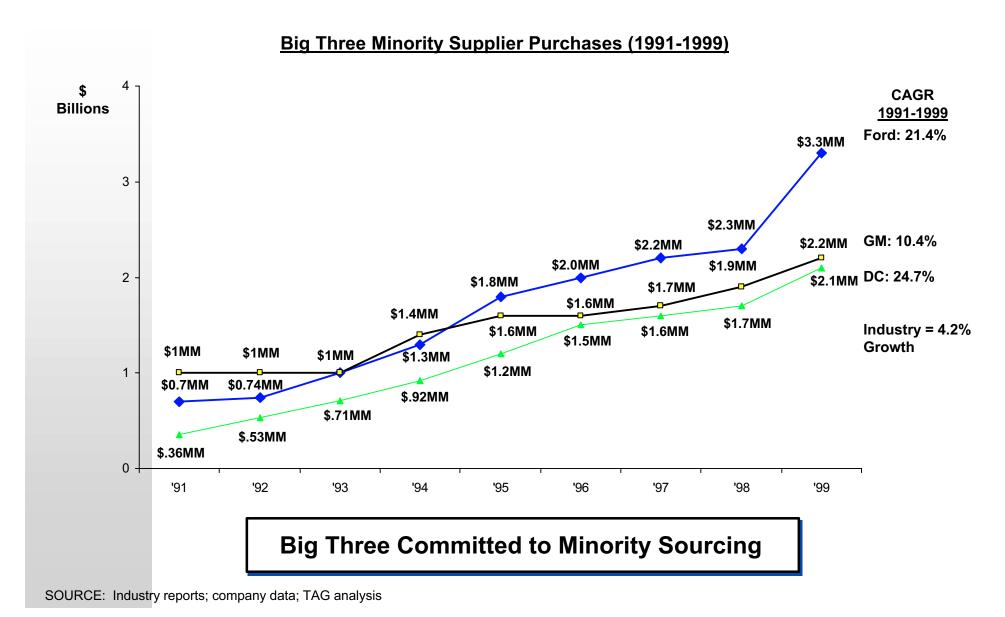
Building Customer Loyalty with Minority Consumers

### Added benefits derived from minority sourcing

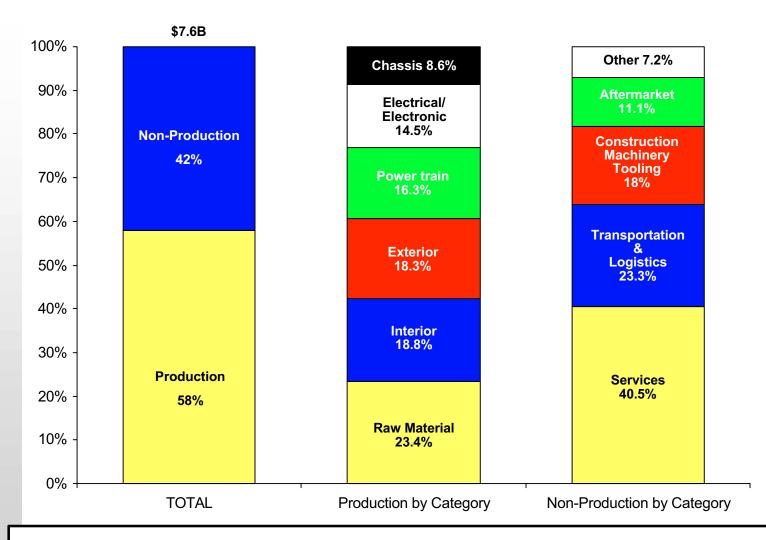
- Builds corporate links with minority communities
  - Necessary in building brand awareness with minority consumers
- Develops understanding of cultural differences
  - Enhances internal corporate diversity efforts
- Contributes to the economic growth of minority communities
- Provides an environment for corporate manager to learn the art of bridging cultural divides
  - A critical skill for success in emerging markets

### Minority Sourcing Becoming a Strategic Imperative

## Minority Purchasing Growing Faster Than U.S. Automotive Sales



### 1999 Minority Purchases by Commodity Groups



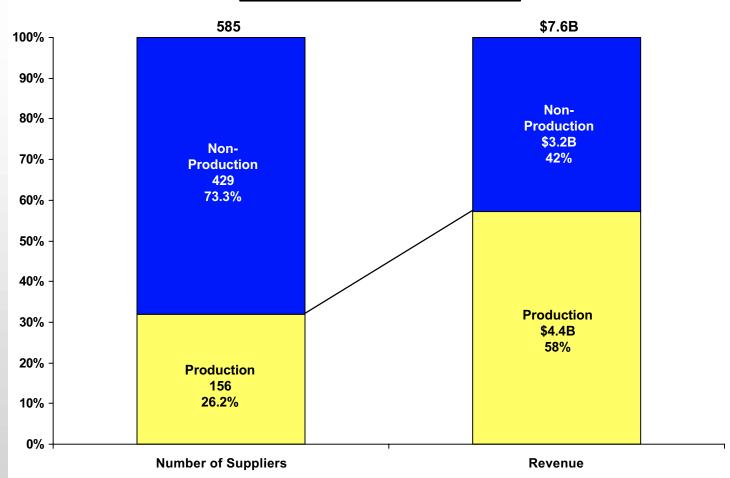
**Spending Patterns Reflect The Availability of Minority Suppliers** 

NOTE: Sample of three auto manufacturers

### **Competitive Profile of Minority Suppliers**

Most minority suppliers in non-production commodities

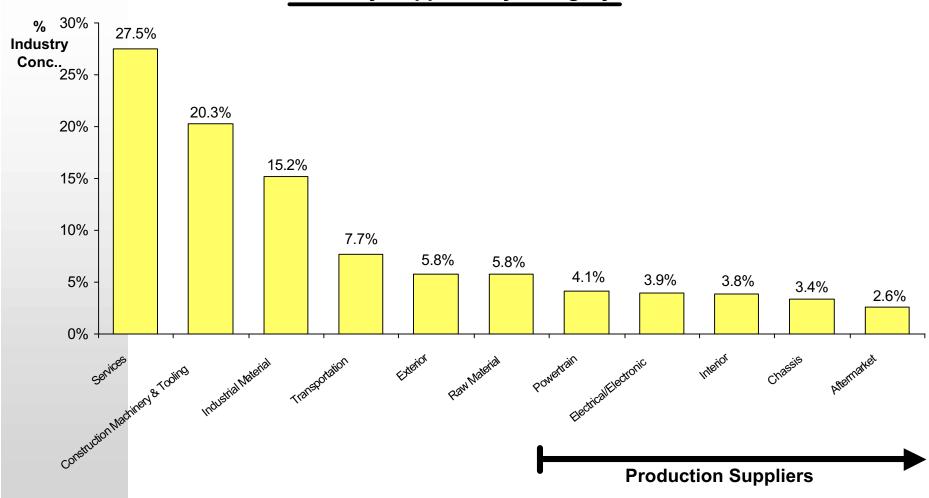
#### **Production vs. Non-Production**



SOURCE: Asaba Group Analysis

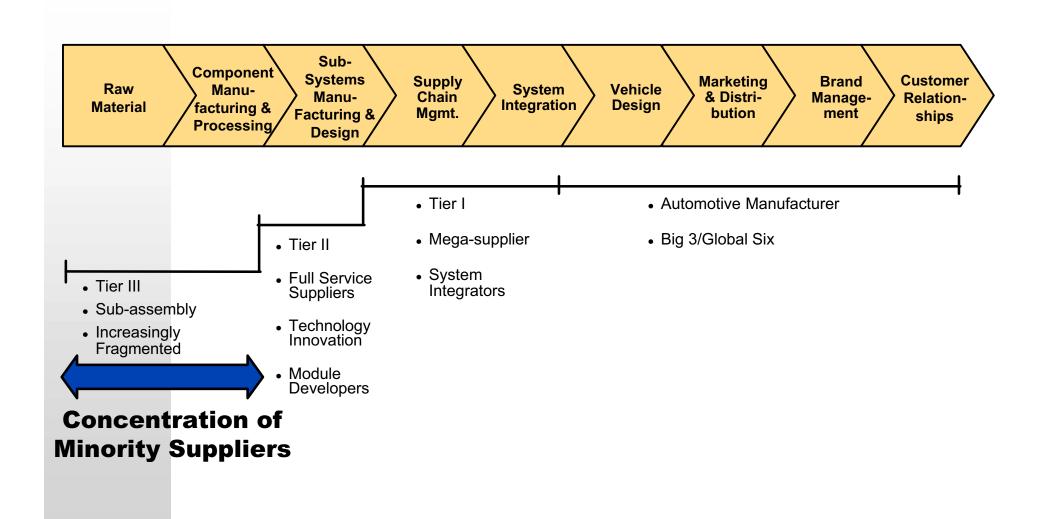
### Minority Business Concentrated On Non-Production Commodities





SOURCE: Industry reports; company data; TAG analysis

### **Concentration Of Minority Suppliers In The Value Chain**



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### Growth and scale necessary for minority suppliers

- Drive reinvestments and cost competitiveness
- Growth and scale are mutually reinforcing

#### Growth should focus on larger Tier one and two suppliers

- New class of tier one suppliers have emerged Mega-suppliers
- Larger suppliers will seek partners to provide low cost services

### Deploying resources for growth and scale requires thinking beyond current tier structure

Define players and strategic intent by role in the value chain

### Size and scale of larger suppliers reveal correlation with capital structure and value chain role

### **Growth and Large Scale Imperative**

Why Minority Suppliers Must Grow and Gain Scale

To generate the surplus needed for future investments in plants, research and development, etc.

Become attractive to financial community and attract additional growth capital

Allow increases in productivity without cutback in personnel

Generate higher economics of scale which increases in cost competitiveness

Create attractive career prospects for talented employees

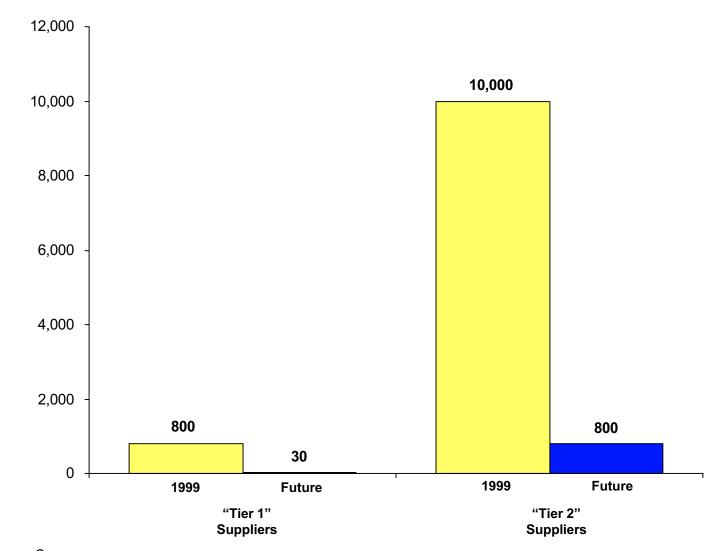
Enhance ability to recruit world class talents

Scale enables the enterprise to mitigate disasters due to market and operating business risks

Product recalls, environmental, etc.

## With Supply Chain Consolidation and Evolving Value Chain

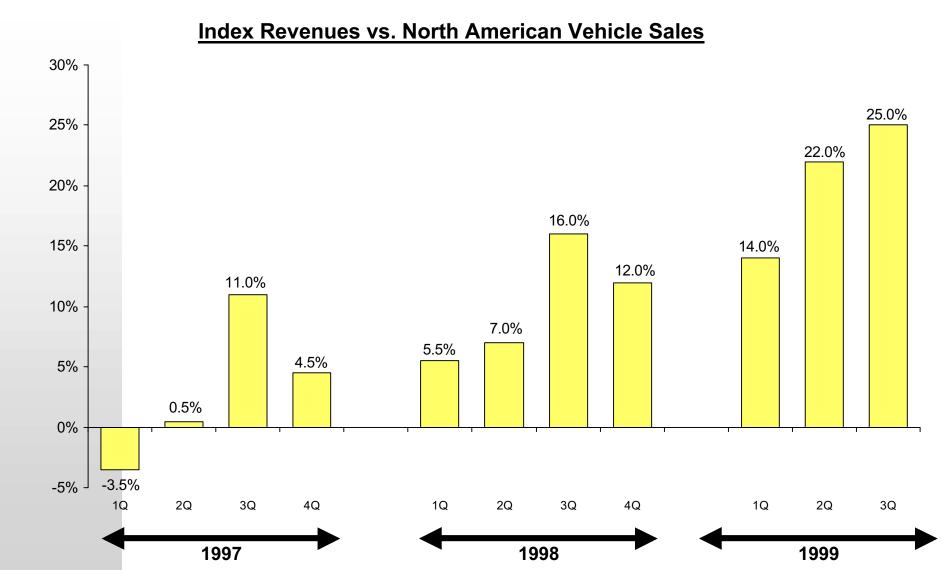
Growth Should Be Focused on the Bigger Tier 1 and 2 Suppliers



SOURCE: Price Waterhouse Coopers

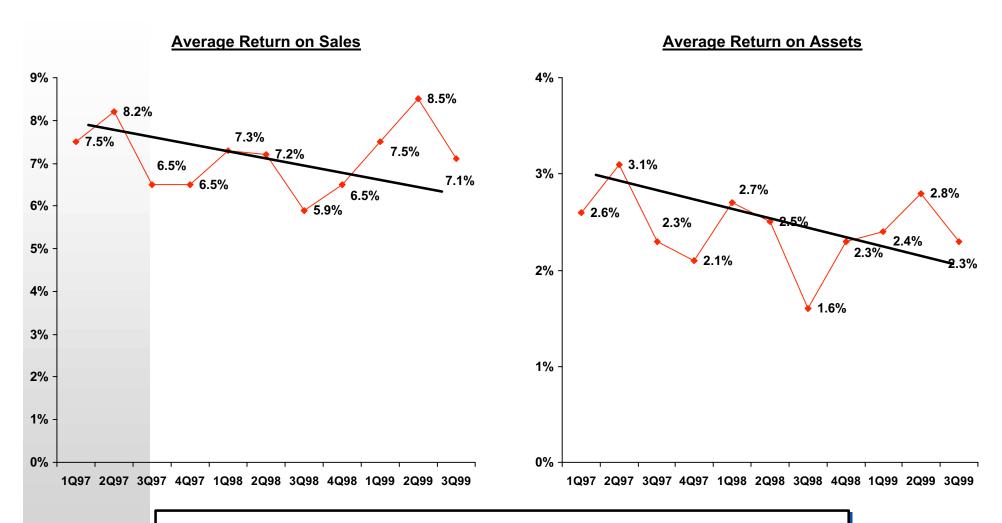
# Large Automotive Suppliers Are Growing Faster Than Industry

Driven by Mergers and Acquisitions



NOTE: See appendix for list of suppliers SOURCE: Andersen Consulting

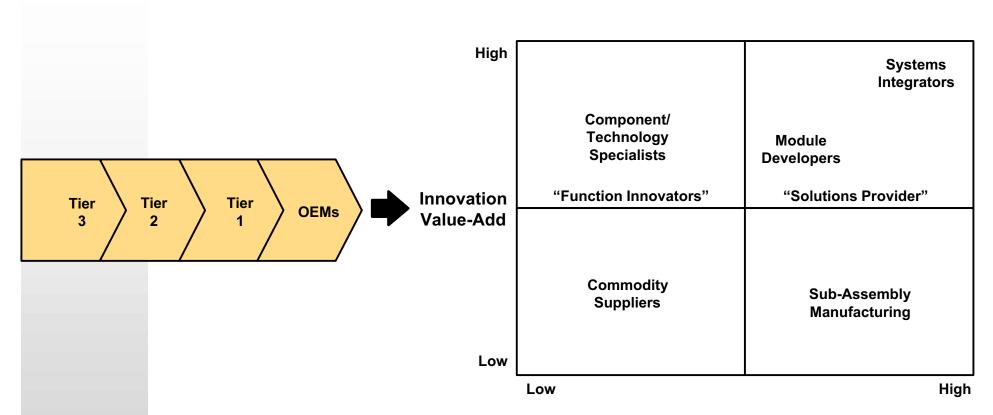
## Declining Profitability Will Drive Large Suppliers To Seek Savings From Supply Chain



**Expect More Outsourcing of Non-Core Activities And Lower Cost Procurement of Commodities** 

SOURCE: Andersen Consulting, Analyst reports, Annual and Quarterly reports, Asaba Group analysis

### Beyond Tiers: Defining Strategic Position In An Evolving Value Chain



**Manufacturing Process Value-Add** 

Each Strategic Position Requires Unique Set of Resources to Achieve Profitable Growth

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# **Analysis of Automotive Suppliers Shows Size Correlation With Strategic Positioning**

Sample of Largest Suppliers in Each Category (Auto Sales \$B)

	Sys Integr		Module Develope	rs	Technology Componen Specialists	t	Sub- Assembly Manufactur		Commodity Basic Processing	
	Delphi	27.3	Eaton	4.2	Dupont	5.0	Masco Tech	0.8	Meridian	0.3
	Visteon	18.5	Meritor	4.6	Motorola	2.7	Guardian	0.9	Becker	0.3
	Dana	10.1	Autoliv	3.8	Good Year	3.4	Linamar	0.7	Amcast	0.5
	Lear	12.4	American Axle	2.9	Alcon Fujikura	2.1	Woodbridge	8.0	Gibb Diecasting	0.3
	JCI	11.1	Cummins	3.2	Mitsubishi	3.0	Oxford	8.0	Global Metal	0.2
	Magna	9.0	Valeo	7.7	Siemens	3.6	Shiloh	0.5	Ogihara	0.3
	Robert Bo	sch 15.6	Textron	2.9	PPG Industries	2.0	Marmon	0.5	Metal Forming	0.3
	TRW	11.0	Tower	2.2			Plastech	0.4	Foamex	0.4
	Denso	12.6	Borg Warner	2.7			Saturn Electronic	0.4		
Avera Size (		14.2		4.3		2.8		0.6		0.3

SOURCE: Automotive News

# Large Capitalization and Established Competencies Characteristics of Large Automotive Suppliers

	System Integrators	Module Developers	Technology/ Component Specialists	Sub- Assembly Manufacturing	Commodity/ Basic Processing
Average Size (\$B)	14.2	4.3	2.8	0.6	0.3
Geographic Scope	Global	Global	Global	Regional	Regional/Local
Automotive Industry Concentration	High	High	Mid-Diversified	High-Mid	High
Capital Access (Ownership)	Public	Public	Public Division of Large Corp.	Private/Equity Investors	Private Closely Held
Established Competency	Mature	Mature	Mature	Early	Early
Key Competencies:	<ul> <li>Total solution</li> <li>Customer focused</li> </ul>	<ul> <li>Functional solutions</li> </ul>	<ul> <li>Innovation/ applied technology</li> </ul>	<ul> <li>Component design</li> </ul>	<ul> <li>Low cost manufacturing</li> </ul>
	<ul> <li>Supply Chain Management</li> </ul>	<ul><li>Supply chain management</li><li>Sub-assemblies</li></ul>		<ul> <li>Lean manufacturing</li> </ul>	<ul> <li>Operational excellence</li> </ul>
	- Integration Capabilities	<ul> <li>Design for Assembly</li> </ul>		JIT sequenced	



### Capital structure essential to becoming large

- Most large suppliers are public companies
- Minority suppliers who desire growth and scale need to access public capital markets

### Supplier concentration and reconstruction of value chain creating mega-suppliers

Minority suppliers should focus on growing with these suppliers

### Defining strategic positioning will determine key value propositions for growing business with mega suppliers

### Minority suppliers must read the "tea leaves" for growth opportunities

"Go to where the puck is going to be"

### **Content**





### **Key Points: Growth Strategies and Business Structures**

### Growth opportunities exist in new markets and products, outsourcing and forward integration

Mature market environment requires new structures to take advantage of growth opportunities

### Strategic alliances and collaboration with larger suppliers is essential to growing minority suppliers

#### Alliances are a win-win for all parties involved

- Cross industry studies show they are a significant source of revenues with high returns
- Alliances successes increase with experience

### Minority suppliers must view alliances as a portfolio of options

 Level of collaboration should be a function of strategic intentions and enhancing competitiveness



### **Growth Opportunities for Minority Businesses**

New Markets Emerging markets driving long term growth

- Asia/Pacific region forecasted to contribute 42% of total vehicle production by 2006

Critical Mass Increasingly fragmented commodity categories (plastic and metal processing)

- Economies of scale are basis of competition
- Potential for category consolidation or rollup platform

Product Portfolio Navigation, comfort, safety and security, and drive train categories are fastest growing automotive segments

- Driven by new functionalities from electronic integration
- Most attractive: not a function of share losses from entrenched competitors

Forward Integration

Becoming full service suppliers with design, engineering and supply chain management capabilities

Outsourcing from Larger Suppliers

Taking on non-core activities from larger suppliers Leverage ability to lower factor costs

**Developing Internal Capabilities to Grow Requires Significant Investment** 

## The Strategic Alliances Model Can Drive Growth While Reducing Downside Risks

### **Successful Alliances Typically Consist of the Following:**

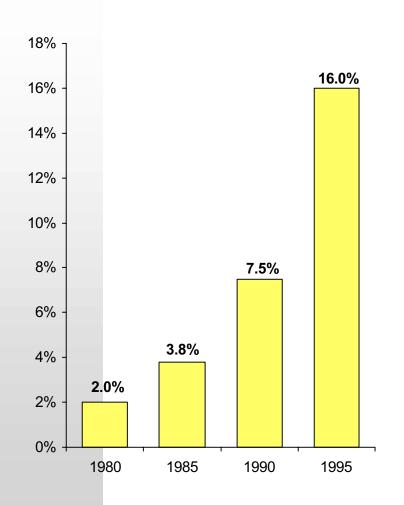
- a win-win for all parties involved
- a common strategy with clearly defined goals
- reciprocal relationship with all partners contributing share of resources and sharing risks
- pooling of resources and risk sharing is for mutual gain

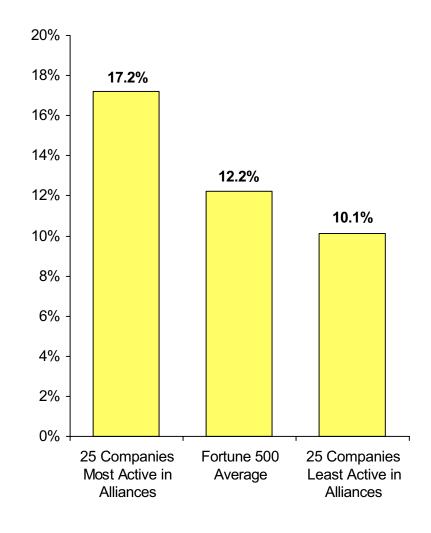
### **Strategic Alliances Are Good for Business**

### Growing as a Revenue Source with Higher Returns

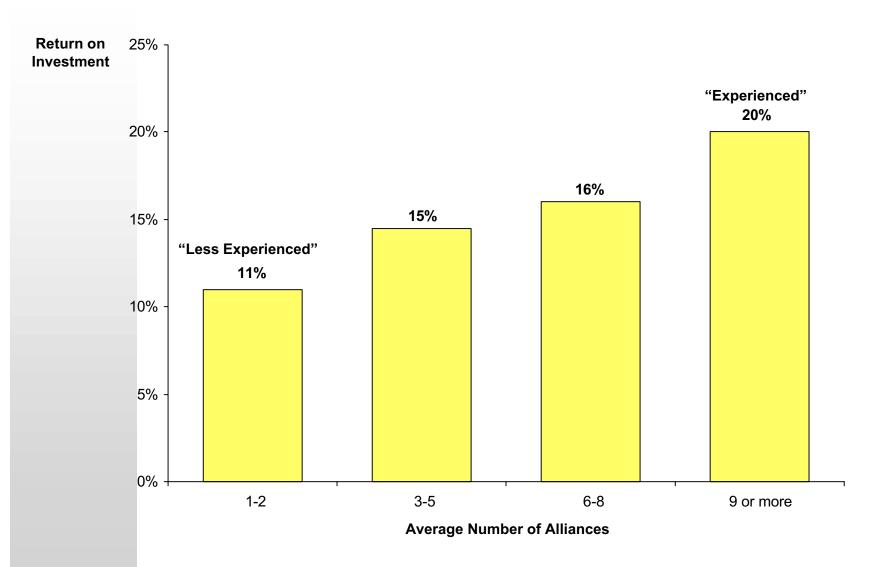
#### Revenue From Alliances Top 1,000 U.S. Companies

#### **Return on Equity**





### **Success Grows As Alliances Experience Increases**



SOURCE: Booz-Allen & Hamilton; 1997 Survey of 700 Alliances

### **Strategic Alliances With MBEs Create Value**

Beneficial for OEMs and Tier One Suppliers

	OEMS	Minority Business	Tier One Suppliers
Business Rationale	<ul> <li>Leverage minority sourcing as key differentiation in marketplace</li> <li>Develop essential cross-cultural capabilities</li> </ul>	<ul> <li>Build capabilities for new revenue sources</li> <li>Lower facilities cost</li> <li>Labor and overhead</li> </ul>	<ul><li>Lower cost</li><li>Improved JIT/ supply chain</li><li>management</li></ul>
Benefits	<ul> <li>Grow market presence and brand with minority consumers</li> <li>Minority sourcing compliance</li> <li>Corporate citizenship</li> </ul>	<ul> <li>Achieve sustainable profitable growth</li> <li>Wealth creation in minority communities</li> </ul>	<ul> <li>Better asset management</li> <li>Extended enterprise of supply chain partners</li> </ul>

#### **Increasing in Ownership and Control**

No Linkage

**Shared** Information

**Shared** Resources **Shared Equity** 

Joint venture

**Strategic** Investor

Wholly-Owned

#### **Examples**

- Outsourcing relationships
- Licensing technology
- Exclusive manufacturing rights
- Manufacturing arrangement
- Co-location of facilities
- Partnerships
- · Joint marketing arrangements

- Strategic alliances with Specialist
- Acquisition
  - Divestitures from other forms
- Consolidations
- Mergers

#### **Characteristics**

- Transactional
- Transaction cost
- trade-offs
- Limited risk sharing

- New market propositions
- May include new legal entities
- · Specific to an opportunity
- Matches specific strengths
- Balance control with collaboration

- Long term
- Aligned interest
- Broader in scope
- Full control
- Acquires both strengths and weaknesses
- Integration risks

**Must Be Viewed As A Portfolio of Options** 

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# Minority Businesses Have Used Different Forms of Strategic Alliances to Grow

			Structure of	Alliance		
Minority Business	No Linkage	Shared Information	Shared Resources	Shared Equity	Strategic Investor	Wholly- Owned
BING Group	Exterior mirror divestiture by Lear (\$50MM)	•	•	Bing-Lear/LEAR     Interior     components     (\$102MM)      Bing Blanking/     Rouge Steel	•	•
Investor Group	•	•	•	Bridgewater/JCI     Interior     systems     (\$900MM)	•	•
Plastech	•	•	•	TrimQuest/ JCI Interior components	•	•
American Basic Industries	•	Manufacturer Industrial Group/JCI (\$125MM)     Outsourced seats components	•	•	•	•
Piston Automotive	•	•	•	<ul><li>JL Automotive/ Lear</li><li>Sequencing</li></ul>	•	•
Saturn Elect. & Engineering	Technology     Licensing     (Bitron)			Saturn LLC/ Lear     Electrical	Motorola (On Star/Telematics) \$1B	Smartflex     acquisition     - \$20MM     (Diversification)
Scion/Devon/Gala			Tri Tec (End to End Solutions)			

# Strategic Alliances Should Not Only Add Revenues But Build Capabilities

Critical Capabilities Differ With Value Chain Positioning

		Value Oil	anii Otiatogio i o	01610110	
Critical Capabilities	Commodity/ Processing Supplier	Sub-System/ Modular Assembly	Technology/ Component Specialist	Module Developers/ Solution	System Integrator
Technology Innovation	Low	Low	High	Med	Med
Economies of Scale	High	Med	Med	Med	Med
Production Efficiency/ Process (JIT) Capability	High	High	Med	Med	Med
Engineering Design/ Complexity Management	Low	Low	Med	High	High
Risk Sharing with OEM	Low	Low	Med	High	High
Supply Chain Managemen	nt Low	Med	Med	High	High
Project Management/ Understanding	Low	Low	Med	High	High
<b>End Customer Need</b>	Low	Low	Low	Med	High

**Choices Must Enhance Critical Capabilities** 

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### **Decision Framework for Strategic Alliances**

Growth Options	Business Rationale	Commodity/ Processing Supplier	Sub-System/ Sub-Module Assembly	Component/ Technology Specialist	Module Developer/ Solutions
Building Critical Mass	Economies of Scale	Acquisitions	•	•	•
New Markets	Geographic	Joint venture	Joint venture	Joint venture	Joint venture
	New Products	<ul><li>Joint venture</li><li>Acquisition</li></ul>	Joint venture	Acquisition	Acquisition
Forward Integration	New capabilities	•		•	<ul><li>Joint venture</li><li>Shared resources</li></ul>
Building New Competencies	<ul><li>New technologies</li><li>New applications</li></ul>	•		Strategic Investor	Strategic Investor



### Some Concerns With Today's Minority Alliances

### Business tends to be non-core to majority partners

What happens when there is a shift in strategic focus with majority partners

### Some relationships appear not to fit a coherent strategy for the MBEs

- Issue with "quality of revenues" versus absolute revenues
- Lowering factor costs versus building long term sustainable competencies

### To achieve hyper growth for MBE

- More alliances from "transaction cost boundaries" outsourcing
- Developing capabilities/technologies that drive commodity growth

### Illustrative Example: Hypothetical Company

TODAY	INCREMENTAL REVENUE	STRATEGIC ALLIANCE	BUSINESS RATIONALE
\$100MM	\$100MM	Acquisition of competitor	Build critical mass/achieve economies of scale
	\$200MM	Partnership with engineering company	<ul> <li>Develop full service capabilities (design/engineering/prototype)</li> <li>100MM contract for module delivery</li> </ul>
	\$200MM	Joint venture in South America	<ul> <li>Tier one customer growing in emerging market</li> <li>Joint venture with local partner</li> <li>Local content requirement</li> </ul>
	\$400MM	Strategic investor	<ul> <li>Sold 30% stake to global multinational technology innovator</li> <li>Access to emerging technologies with automotive applications</li> <li>\$400MM contract for new products</li> </ul>
FUTURE	<u>\$200MM</u> \$1200MM	Joint venture in Asia	Tier one customer growing in Asia



### **Metrics**

- Operating return on assets (ROA)
- Operating return on sales (ROS)
- Rolling twelve-quarter average revenue growth rate

### **Index Companies**

- Largest 20 North American Tier Ones
- Clearly segmented automotive operations
- Publicly-traded
- Performance from Q1 1997 through Q3 1999

### **Supplier Index: Companies**

- Autoliv
- Arvin Industries
- American Axle and Manufacturing
- Borg-Warner Automotive
- Collins & Aikman Corporation
- Cummins Engine Company
- Dana Corporation
- Delphi Automotive Systems
- Hayes Lemmerz International
- Federal-Mogul Corporation
- Goodyear Tire & Rubber Company

- Johnson Controls
- Lear Corporation
- Magna International
- Meritor International
- Tenneco Automotive
- TRW
- Tower Automotive
- Textron