## Investor Day 2018

June 27, 2018



### Safe Harbor Statement

#### **Forward-Looking Statements**

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including statements regarding anticipated financial results and liquidity. The words "will," "may," "designed to," "outlook," "believes," "should," "anticipates," "plans," "expects," "intends," "estimates," "forecasts" and similar expressions identify certain of these forward-looking statements. The Company also may provide forward-looking statements in oral statements or other written materials released to the public. All statements contained or incorporated in this presentation or in any other public statements that address operating performance, events or developments that the Company expects or anticipates may occur in the future are forward-looking statements. Factors that could cause actual results to differ materially from these forward-looking statements are discussed in the Company's Annual Report on Form 10-K for the year ended December 31, 2017, and its other Securities and Exchange Commission filings. Future operating results will be based on various factors, including actual industry production volumes, commodity prices and the Company's success in implementing its operating strategy.

Information in this presentation relies on assumptions in the Company's sales backlog. The Company's sales backlog reflects anticipated net sales from formally awarded new programs less lost and discontinued programs. The calculation of the sales backlog does not reflect customer price reductions on existing or newly awarded programs. The sales backlog may be impacted by various assumptions embedded in the calculation, including vehicle production levels on new programs, foreign exchange rates and the timing of major program launches.

The forward-looking statements in this presentation are made as of the date hereof, and the Company does not assume any obligation to update, amend or clarify them to reflect events, new information or circumstances occurring after the date hereof.

#### **Non-GAAP Financial Information**

This presentation also contains non-GAAP financial information. For additional information regarding the Company's use of non-GAAP financial information, as well as reconciliations of non-GAAP financial measures to the most directly comparable financial measures calculated and presented in accordance with accounting principles generally accepted in the United States ("GAAP"), please see slides titled "Non-GAAP Financial Information" at the end of this presentation.



## Agenda

Strategic Overview

Ray Scott, President and Chief Executive Officer

Seating

Frank Orsini, Executive Vice President and President, Seating

E-Systems

Jeneanne Hanley, Senior Vice President and President, E-Systems

Break

Convergence

Mandy Rice, Vice President, Advanced Sales & Product Technology

Financial Overview and Outlook

Jeff Vanneste, Senior Vice President and Chief Financial Officer

Wrap up / Q&A

Lear Team



# Strategic Overview

### **Ray Scott**

President and Chief Executive Officer



## **Goals for Our Investor Day**

- Provide access to key business leaders and technology experts
- Articulate the strategy and outlook for our business
- Highlight important industry trends driving growth
- Explain our competitive advantages in both business segments
- Showcase our product and technology capabilities
- Demonstrate our financial strength and diversification
- Provide longer term financial targets



## **Drivers of Profitable Growth**









## **Drivers of Profitable Growth**









## Meet Lear's Experts, the Most Experienced Team in the Industry



Jeneanne Hanley SVP and President, E-Systems



Frank Orsini
EVP and President, Seating



Jeff Vanneste SVP and Chief Financial Officer



John Absmeier
VP and Chief Technology Officer



Steve Rober
VP, Electronics
VP, Electrical Distribution Systems



**David Kazyak**VP, Global Seat Engineering



## **Drivers of Profitable Growth**









## **Lear's Value Creation Strategy**



Sales Growth Above Global Automotive Production



Strong Cash Flow Generation



**Investment Grade Credit Metrics** 



Earnings Growth in Excess of Sales Growth



**Continued Investment** in the Business



Excess Cash Returned to Shareholders



## **Industry Leading Competitiveness**







\$7 Billion
Invested in the Business
Over the Last Decade

**Strongest Competitive Position in Our 100 Year History** 

**\$22B** Total sales (#148 on Fortune 500)

≈\$4B 2018-20 sales backlog Including non-consolidated

**5,500** Engineers globally

of component facilities and

95% of related employees located in

22 Low-cost countries

Strategic acquisitions since 2010

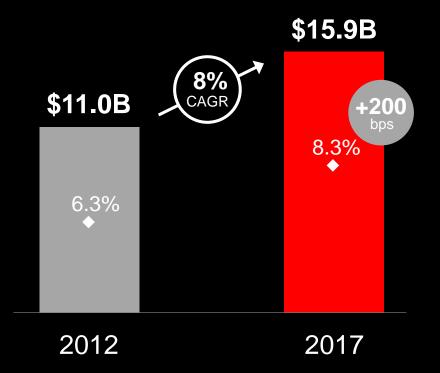
Gross leverage with investment grade credit rating



## Two High-Performing Business Segments

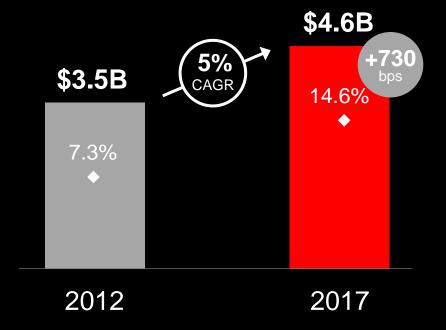


**Sales and Adjusted Segment Margins** 

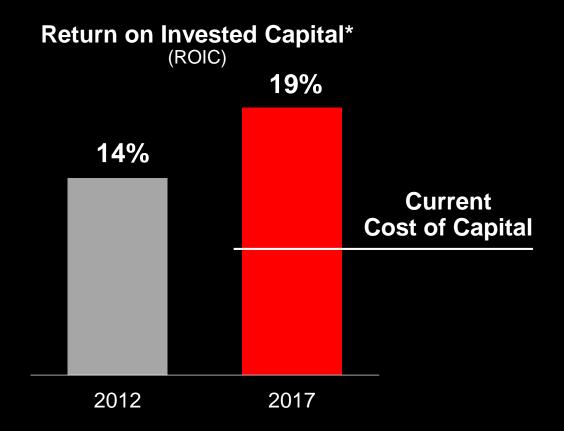




**Sales and Adjusted Segment Margins** 



## **Superior Performance and Returns**

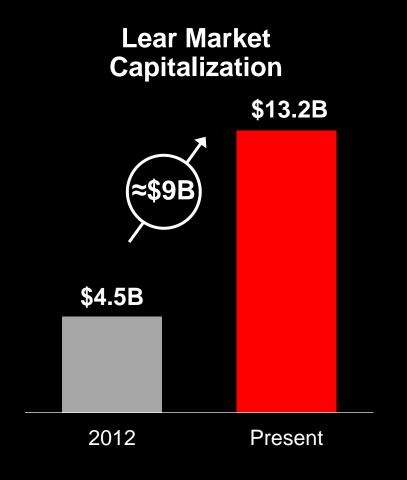


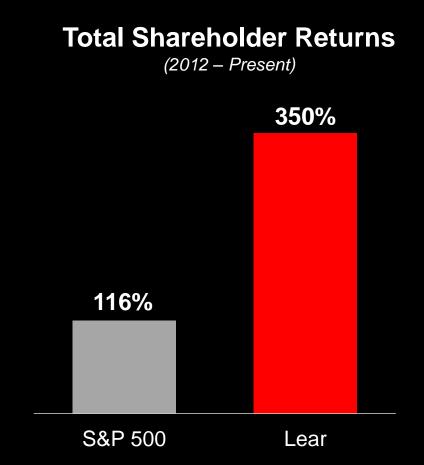
- Record sales, earnings and free cash flow
- Unique product capabilities in each segment
- Global, low-cost engineering and manufacturing footprint
- Sales and earnings well balanced by region, customer, program and vehicle segment
- Incentive compensation aligned with ROIC and profitable growth

Lear's ROIC Among Highest in Automotive Sector



## Delivering Significant Value Creation and Shareholder Returns





## **Drivers of Profitable Growth**









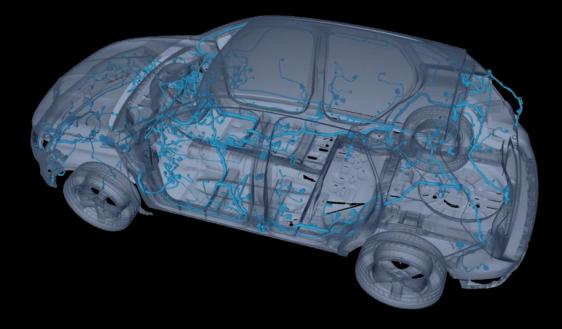
## Fastest Growing and Most Profitable Automotive Seat Manufacturer



- Most complete capabilities of any seat supplier
- Global engineering and manufacturing capabilities
- World's leader in seating for luxury brands
- Leader in crossovers and SUVs
- Uniquely positioned for innovation and growth with electronics and software expertise

### Global Leader in Vehicle Electrical and Electronic Architectures





- Global leader in traditional electrical architectures
- Advanced capabilities in high-power electrical systems including power electronics
- Leader in gateway modules
- Industry's most sophisticated connected gateway and communication modules
- Advanced capabilities in vehicle cybersecurity
- Unique design and development capabilities with Lear's Virtual Proving Grounds

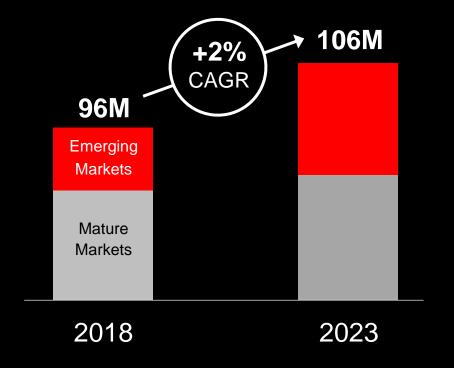


## Lear's Products Are Aligned with Industry Trends

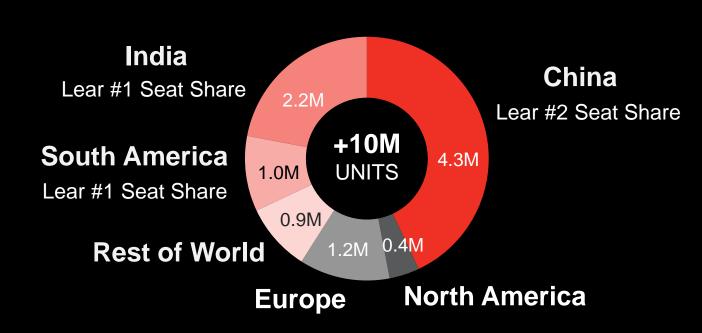


## Industry Growth Will Be Driven by Emerging Markets

#### **Global Industry Production**



## 2018-23 Industry Production Growth by Region

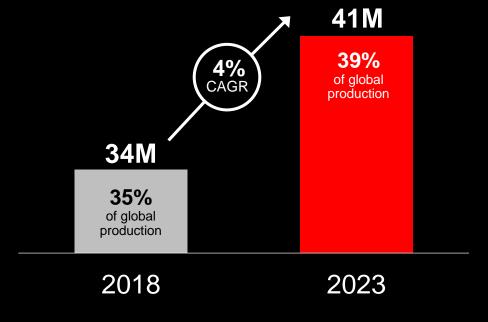


≈90% of Global Growth Over Next Five Years Expected to Come from Emerging Markets



## Demand for Crossovers and SUVs Increasing in All Regions

## **Global Production of Crossovers and SUVs**



#### **Lear Product Alignment**



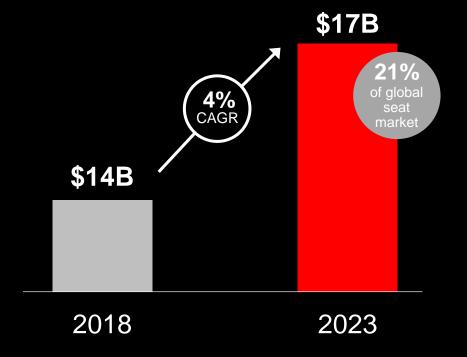
- Crossovers and SUVs gaining share in every region
- Increased features and functionality
  - More complex second row mechanisms
- Seat content 30-40% higher than global average
- Increased electrical content per vehicle compared to sedans

Mix Shift to Crossovers and SUVs Driving Seating Growth in All Regions



## **Luxury Market Outpacing Industry Growth in All Regions**

#### **Luxury Vehicle Seat Market**



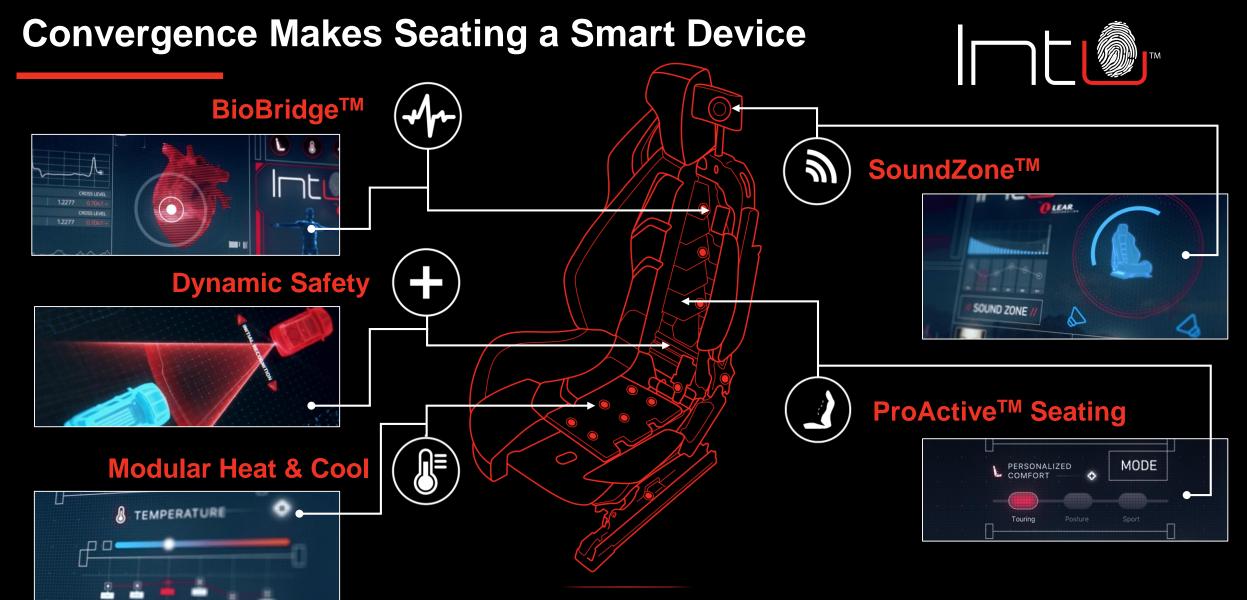
#### **Lear Product Alignment**



- Leader in luxury seating with more than 40% market share
- Crafted by Lear premium trim
- Product innovation and premium features introduced in luxury vehicles
- Luxury vehicles have the highest electrical and electronic content
- Luxury seat content more than double global average
- Lear INTU<sup>™</sup> seat features could add \$250-\$750 of content per vehicle

Lear's Leadership Position with Luxury Automakers Fuels Product Innovation

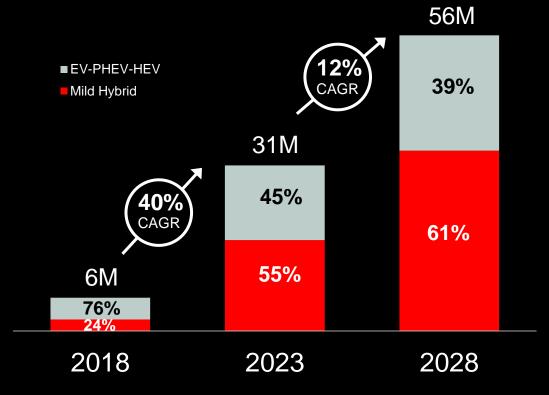






## **Increasing Penetration of Electrified Powertrains**

#### Global Production of Hybrid and Electric Vehicles



#### **Lear Product Alignment**



- Complete capabilities in wire, terminals and connectors and power electronics
- First to market with on-board charger for GM Volt
- Most efficient battery charging systems
- Highest power to size ratio terminals and connectors
- Incremental E-Systems content opportunity of \$300 to \$2,000 per vehicle

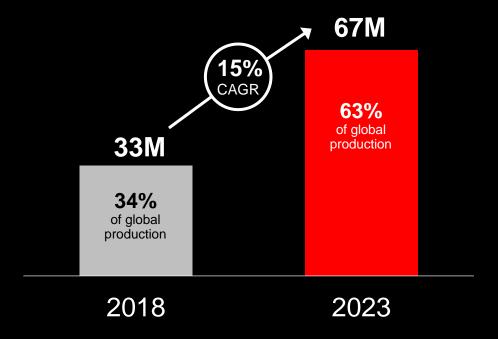
Nearly 50% of Vehicles Produced by 2028 Expected to Have Electrified Powertrains



## **Increasing Demand for Connectivity**

## **Embedded Vehicle Cellular Communication**

(% of new vehicle production)



#### **Lear Product Alignment**



- Leader in V2X infrastructure installations
- Leader in central gateway modules
- First to market with Ethernet and multi-core processors
- Wireless capabilities to support all major communication protocols
- Cybersecurity expertise
- Incremental E-Systems content opportunity of \$125 to \$450 per vehicle

Over 60% of Vehicles Produced in 2023 Expected to Be Connected



## Lear Products Support Shared Mobility / Configurability









#### **Lear Product Alignment**

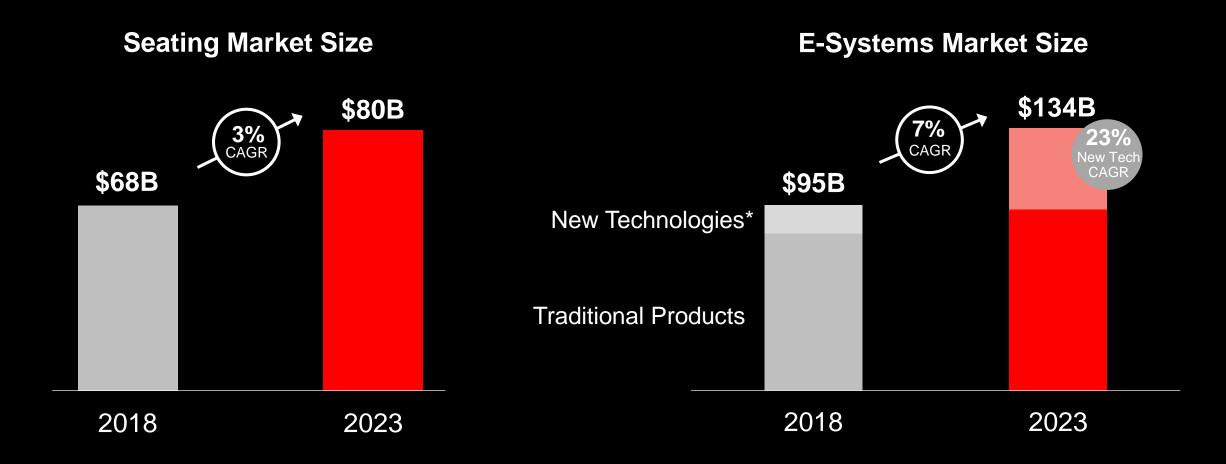


- Adaptive and reconfigurable seating systems provide maximum flexibility
- Intelligent seat functionality allows personalization, improving consumer comfort and convenience
- Electronics and software capabilities enable enhanced features

**Electrification and Connectivity Product Solutions Enable Mobility Solutions** 



## **Core Markets Continue to Grow Faster than Industry Production**

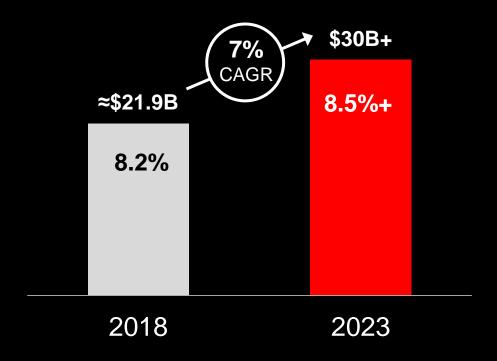




## 2023 Outlook for Sales and Company Margin

#### **Sales and Adjusted Operating Margins**





#### Sales

- Industry production growth
- Record backlog
- Increased penetration of Crossovers, SUVs and luxury vehicles
- Industry trends of electrification and connectivity

#### **Margins**

- Focus on operational excellence
- Unique capabilities and competitive footprint
- E-Systems growing faster than Seating

#### **Continued Performance Drives Increased Shareholder Value**



## Seating

### **Frank Orsini**

Executive Vice President and President, Seating

## **Seating Agenda**

- The Lear Seating Advantage
- Growth Outlook

Core Capabilities

#### **Frank Orsini**

Executive Vice President and President, Seating

#### **David Kazyak**

Vice President, Global Seat Engineering

#### **Mandy Rice**

Vice President, Advanced Sales & Product Technology



## The Lear Seating Advantage

## The Lear Seating Advantage



2018 Audi RS3

- Most complete capabilities of any seat supplier, with global engineering and manufacturing capabilities
- Positioned to grow while maintaining margins
- Technology aligned with industry mega trends
- Technical capabilities that are superior to our competitors
- Only seating supplier with in-house electronic and software capabilities



## Fastest Growing and Most Profitable Automotive Seating Supplier



25
Global Engineering
Centers



Low-Cost Footprint

19 Countries



100
Years of Automotive
Manufacturing Experience



\$ 174
Seating and Component Manufacturing Facilities

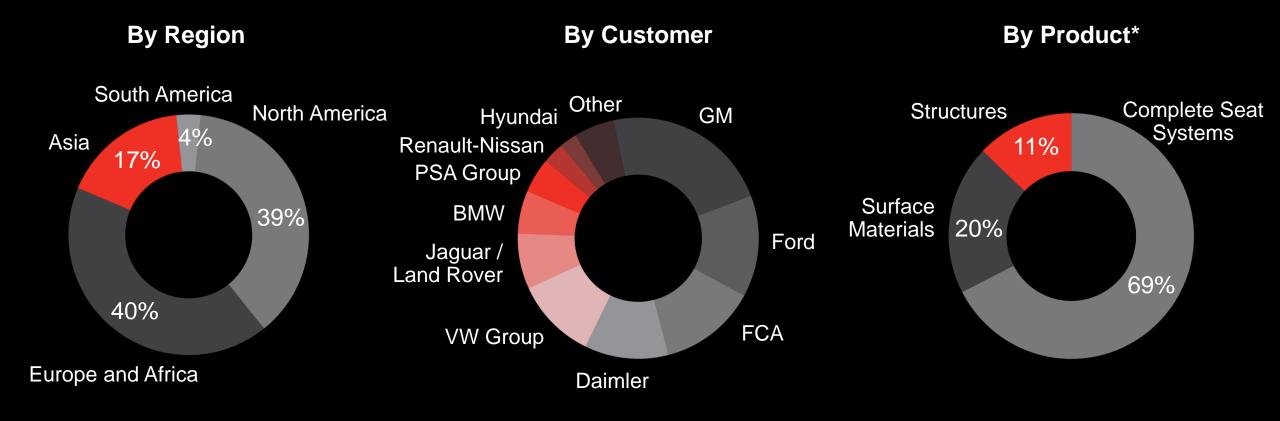
in **31** Countries



96,000 Seating Employees Worldwide

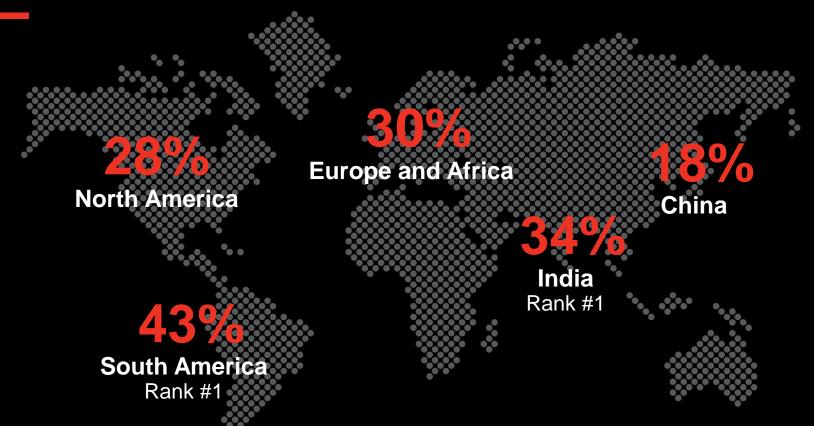


## Well Diversified Global Automotive Seating Supplier





## Global Seating Market Share



2018 Global Market ≈\$68B Lear 23% Market Share Globally



## **Major Programs Around the World**



**North America** 



Chevrolet Equinox

**GMC Terrain** 















Ford Edge

**Strong Platform and Customer Diversification** 

Nissan Qashqai



## **Highly Engineered Seating System**

- 85% vertically integrated
- Unique skill sets and capabilities
- Craftsmanship
- Leader in luxury and premium
- Intelligent seat systems

**3,000+**Engineers

Access to

600

Software
Engineers

500+

Technical Specialists

- CAD / Studio Designers
- Chemists
- Artisans

- Metallurgists
- Biomedical Engineers
- Craftsmen

Unique Set of Capabilities Creating Competitive Advantage



# **Seating Component Capabilities**

2018 Estimated Revenue\*

**North America** 

Surface Materials Structures

**South America** 

\$0.1B

Surface Materials

**Europe and Africa** 

**\$1.3B \$** 

Surface Materials Structures

Asia

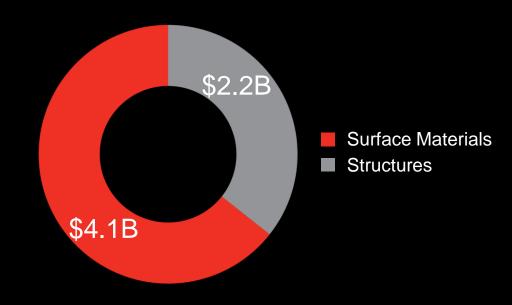
\$0.7B

\$0.2B

Surface Materials Structures

Global Component Sales ≈\$6.3B

2018 Estimated Revenue\*



#1 in Leather and Cut & Sew

**Strong Global Position in All Major Components** 



## **Seating Margin Sustainability**

- A decade of investment resulting in industry leading cost competitiveness
- Lear's financial discipline driving sustainable performance
- Strong sales backlog
  - Every program and product is measured individually on an ROIC basis
- Business opportunities for margin expansion
  - Premium and CUV / SUV segment growth
  - Technology and modular strategy
  - South America and Structures
- Superior operational execution and new program launch performance

## **Structures Strategic Priorities**

- Focused investment strategy targeting high value innovation, footprint leadership and engineering capability
- Disciplined commercial strategy centered around ROIC and sustainability
- Experienced global team with proven record of launch execution, innovation leadership and operating excellence
- Global product and customer diversification
- Strong product portfolio aligned with industry mega trends





# **Growth Outlook**

# **Seating Sales Growth Drivers**

\$12B+ Global over the

Global seat market growth over the next 5 years

Industry growth drivers

- Continued global market shift to CUV / SUV and luxury vehicle segments
- Increased volume in emerging markets:
   China, India and South America



Growth through proprietary intelligent modular technologies



Continue to leverage strong competitive position to gain global market share

#### Asia growth

- CPV expansion for added content and technology
- Market shift to CUV / SUV and luxury vehicle segments

Organic growth supplemented with acquisitions consistent with recent history







## Lear's Products Are Aligned with Industry Mega Trends







# Core Capabilities

# **Core Capabilities Agenda**







Organization and Footprint

**Seating Products and Components** 

System Examples

## David Kazyak

Vice President, Global Seat Engineering



## **Global Engineering Development – Seating**

#### **Americas**

3 Technical Centers of Excellence

#### **Europe and Africa**

14 Technical Centers of Excellence

8 Technical Centers of Excellence

Asia



19 Countries

# Seats are highly engineered systems

- Lear engineers 71% of product it manufactures
- ≈1,800 components per program, requiring more than 300 tests for product compliance

# Uniquely positioned to develop complex seats and components

- 3,000+ global engineering professionals
  - Average 10+ years of experience totaling over 21,000 years of engineering practice
  - >30 different technical competencies (from mechanical, electrical, materials, chemical and other associated sciences)
  - ≈40% located in low cost country locations
  - Unique access to software engineers, electrical and electronic engineers
- Any point in time >200 seating programs in development

≈1,900 Seat Systems Engineers



≈650 Structures Engineers



**≈515** Surface Materials Engineers





## **Seating Core Product Portfolio**



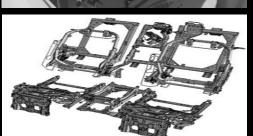
Lear is the Most Vertically Integrated Seating Supplier in the Industry



## Core – Structures

#### **Structures**











#### Products\*

- Manual and Power Recliners
- High Mount Latches
- Floor Mount Latches
- Easy Entry Mechanisms with Memory
- Manual and Power Tracks
- High Performance Cars Front Seat Structure
- Emerging Markets Front Seat Structure
- Core and Modular Low Mass Front Seat Structure
- Highly Complex Rear Seat Systems
- Executive Power Slouch Rear Structure
- ConfigurE+
- Magnesium, Aluminum and Composites Components
- Ultrahigh Strength Nano Steel Components

### **Capabilities**

Full Development



14 Unique
Technologies &
Development Tools





## **Core – Surface Materials**

#### Seat Cover, Foam & Comfort, Fabric & Leather









#### Products\*

- SoyFoam™
- ComforTune™
- ComforCore
- High Performance and Luxury Foam
- Armrest / Headrest Components
- Custom Perforations
- TeXstyle<sup>™</sup> Defense
- TeXstyle<sup>TM</sup> Lite
- High-Definition Design
- VentFlex Spacer
- Contour Connect
- 3D Knit Trim
- Embossed Leather
- Standard and Custom Grains

#### **Capabilities**

Full Development



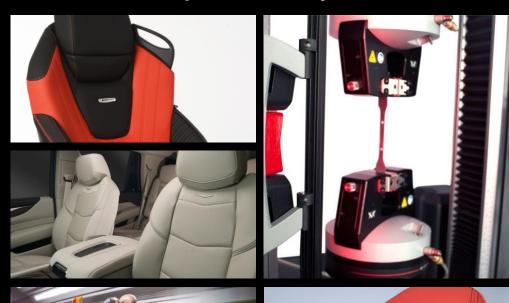
61 Unique
Technologies
and Development Tools





## Core – Complete Seat System

#### **Complete Seat System**



#### **Products\***

- Luxury
- High Performance
- Truck and CUV / SUV
- High Durability
- Emerging Market
- Reconfigurable
- Low Profile
- Ultimate Light Weight
- Shared Mobility

#### **Capabilities**

Full Development



24 Unique Technologies and Development Tools

**Every Segment, Every Region, Every Customer** 



# Complete Seat System Capability – Range Rover Autobiography



2018 Range Rover Autobiography



High Function Seat System



Seat Covers and Foam



Structures

#### The ULTIMATE Executive Rear Seat

#### **Lear Land Rover development partnership**

- Lear single sourced
- Full seat set and vertically integrated components
- Kickoff to production: 25 months

#### Most complex seat in the industry

- Intelligent articulation and cargo modes
- Quad-zone seating thermal control
- Premium hot stone massage and multi-contour comfort adjustment



## Complete Seat System Capability – GM Full Size Truck



2019 Chevy Silverado



Seat Covers Crafted by Lear



2<sup>nd</sup> Row Storage



Structures
Rear Seat System



High Performance Leather

### **Uniquely Crafted Durability**

#### Close customer collaboration

- System integrated for vehicle weight advantage
- Crafted by Lear process

#### **Market connected innovation**

- Unique storage system
- Patented system for vehicle integration

#### Lear components

Significant use of Lear components



## **Industry Recognition**

## **Advanced Seating Development Awards:**

- Autonomous vehicle seating development with a major global OEM
- Multiple global electric vehicle program seating awards with premium luxury OEMs
- Over 20 INTU™ seating advanced technology projects with 10 global OEMs
- Full service supplier development awards in all regions









#### **2017 Quality Awards:**

- GM Supplier of the Year Award Seat Complete
- J.D. Power Award for Seat Quality and Satisfaction Study (Ramos II)
- Shingo Award (Silao)
- GM Supplier Quality Excellence Award (Wentzville)
- GM Supplier Quality Excellence Award (Columbia City)
- Ford World Excellence Award
- Ford Q1 Award (Hammond)
- South America Hyundai CAOA Quality Award
- GM Supplier Quality Excellence Award (Ramos II)
- GM Supplier Quality Excellence Award (Silao)
- Ford Q1 Award (Chennai)
- FCA Certificate of Appreciation for Launch of Jeep Compass Program
- World Class Manufacturing (WCM) Bronze-Level Award (Italy)
- VW India's Quality Performance Award (Chakan)



# E-Systems

## Jeneanne Hanley

Senior Vice President and President, E-Systems

## **E-Systems Agenda**

- The Lear E-Systems Advantage
- Growth Outlook

Electronics Technologies

Electrical Architecture

#### Jeneanne Hanley

Senior Vice President and President, E-Systems

### **Stephen Rober**

Vice President, Electronics

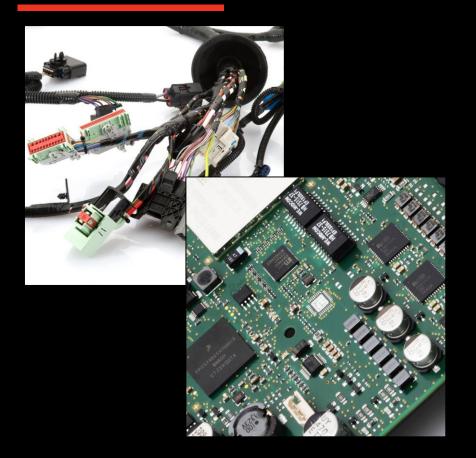
### **Bill Presley**

Vice President, Electrical Distribution Systems



# The Lear E-Systems Advantage

## Introduction



- Strong E-Systems business with global presence
- Positioned for accelerated growth
- Technology aligned with industry mega trends
- Unique business model flexible, targeted
- Class-defining systems expertise
- Only Tier-1 with complete electrical architecture capabilities



# Most Complete Full Electrical Architecture Capability



**30**Global Engineering
Centers



51
Manufacturing
Facilities





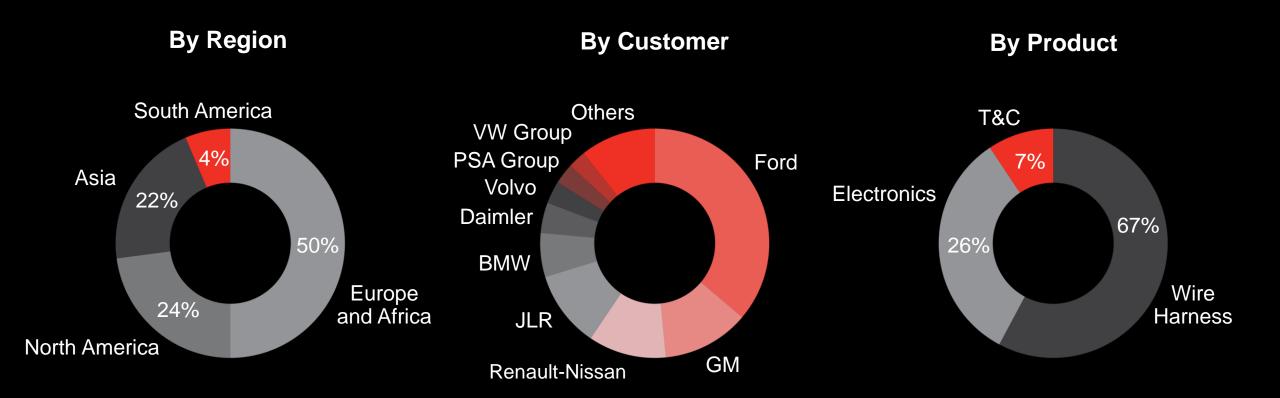




70,000+
Worldwide E-Systems
Employees



## Well Diversified Global E-Systems Supplier





# **Major Programs Around the World**

### **North America**

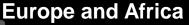
























Asia









Strong Platform and Customer Diversification



# **E-Systems Technology Centers**

Global E-Systems Technology Centers



Connectivity

Southfield, MI

Ann Arbor, MI

Santa Rosa, CA

San Mateo, CA

Raleigh, NC

Remscheid, Germany

Tel Aviv, Israel

Pune, India

Kronach, Germany

Electrification Centers

Southfield, MI

Rabat, Morocco

Valls, Spain

Remscheid, Germany

Shanghai, China

Beijing, China

Centers Of Excellence

Southfield, MI
Valls, Spain
Kronach, Germany
Leuven, Belgium
Cebu, Philippines
Shanghai, China

2,500+
Global Engineers

150+

New Technology Engineers

900+
Engineers in Asia

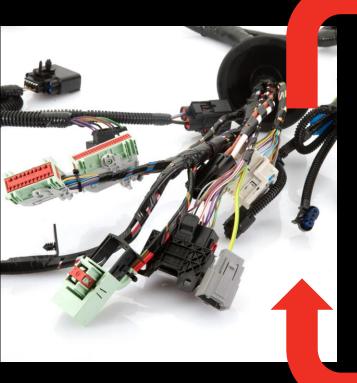


# **Complete Architecture Systems Capability**

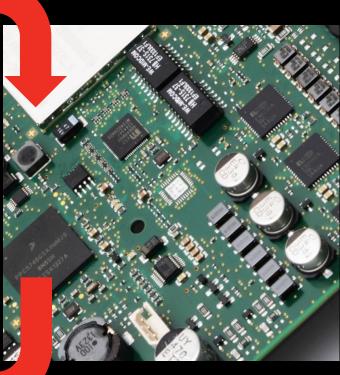
Electrical Distribution Systems

**Electrical Architecture Optimization** 

**Electronics** 



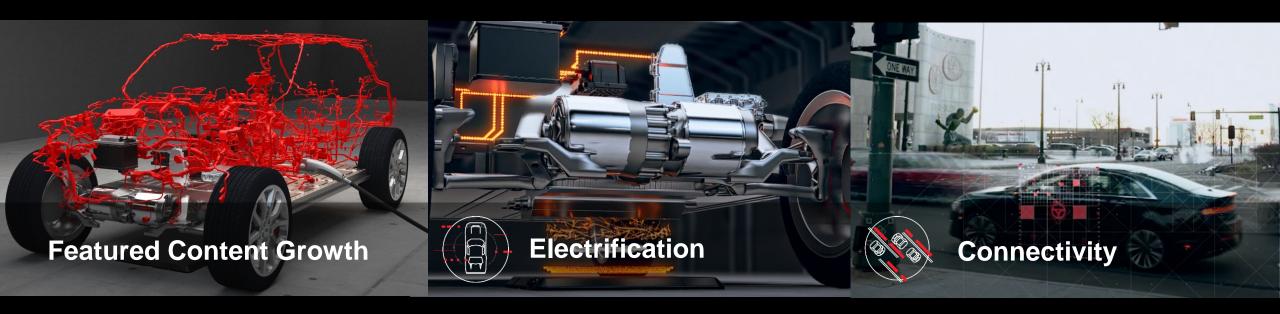






# **Growth Outlook**

# Lear's Products Are Aligned with Industry Mega Trends





## **Asia**

#### **Market Trends**

#### **E-Systems Alignment**

#### **Featured Content Growth**



Vehicle sophistication and electrical / electronic content

- Complete systems capability
- Well positioned with 15 manufacturing facilities and 9 technical centers in Asia
- 900+ engineers in Asia

#### **Electrification**



Electrification accelerating, with 10 million incremental electrified vehicles in China by 2023

- Only Tier-1 with complete electrical architecture capabilities
- Opening second Asian electrification center in Beijing

#### Connectivity



Leading adoption of wireless technologies

- Strong capabilities in DSRC, cellular-V2X and 5G
- Production experience with leading Chinese network access device supplier

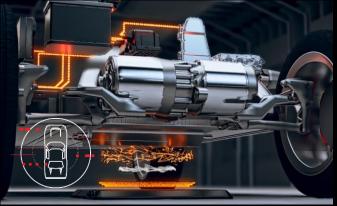


# Strong Position in Electrification and Connectivity

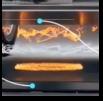
#### **Electrification**







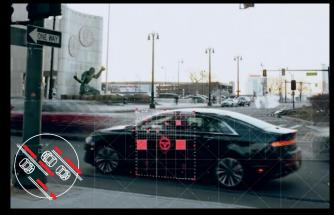




### Connectivity











The **only** global supplier with complete capability across electrified architectures

Industry first 4.5G connectivity system combined with a leadership position in gateway modules

## **Proven Technology Leadership**



# Electronics Technologies

# **Electronics Technologies Agenda**

- Electronics Profile
- Electronics Products
- Electrification
- Connectivity

### **Stephen Rober**

Vice President, Electronics



## **Electronics Profile**







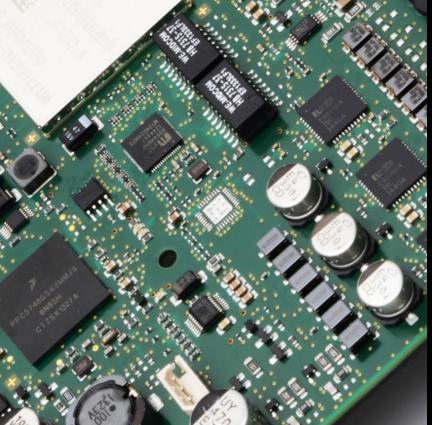




1,200+ Engineers Globally

600+ Software Engineers

400+ Engineers in Asia



12 Development Centers

33 Product Launches in 2018

6 Electronics Manufacturing Facilities



# **E-Systems Core Electronics Product Portfolio**

#### **Electronics**



Body Domain Controllers



Wireless Vehicle Access



UWB Passive Entry



**Communication Modules** 



4.5G Communication Module



Vehicle Network Gateway Modules



Ethernet Capable Gateway



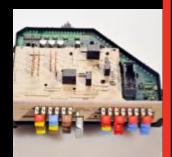
Exterior Lighting Control



LED Headlight Controller



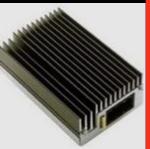
Solid State Matrix Beam Headlight



Smart Junction Boxes



Solid State Smart Junction Box



Audio Domain Controllers



Ethernet Capable Audio Amplifier



HV Power & Control Modules



Mass Market Battery Charger



# **E-Systems Core Electronics Product Portfolio**

### Connectivity



#### **Electronics**



Body Domain Controllers



Wireless Vehicle Access



Communication Modules



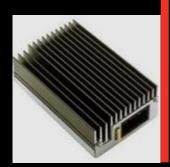
Vehicle Network Gateway Modules



Exterior Lighting Control



Smart Junction Boxes



Audio Domain Controllers



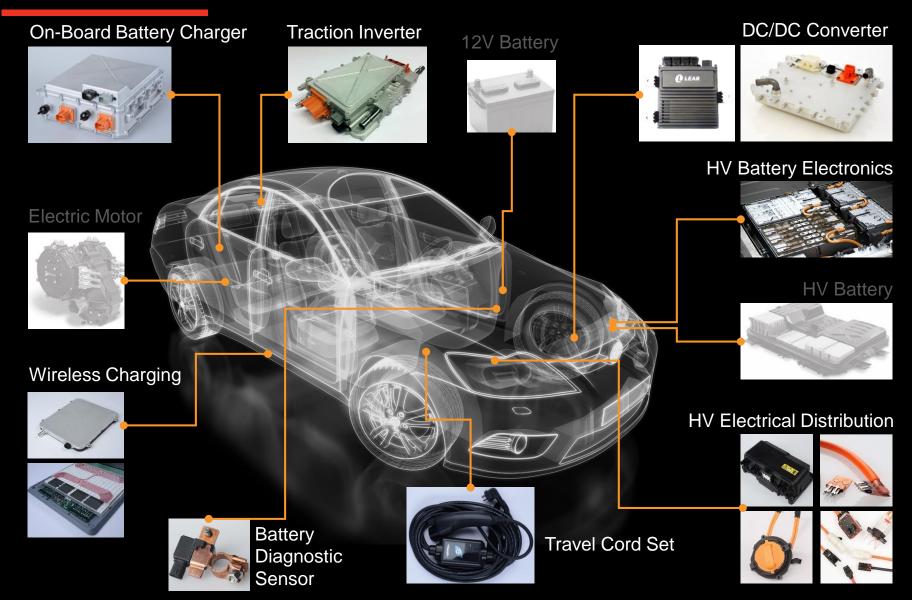
HV Power & Control Modules



# Electrification



# **Complete Electrification Product Portfolio**



### LEAR ELECTRIFICATION PRODUCTS

48V and HV Wire

48V and HV Terminals and Connectors

DC/DC Converter

**Traction Inverter** 

48V and HV Power Distribution Boxes

Start-Stop, 48V and HV Battery Electronics

On Board Battery Charger, Fast Charging

**Travel Cord Set** 





# **Industry Leader in Electrification Technology**

#### **Production Platforms**

**Terminal-Integrated Fusing** 

Integrated Battery Charger and Power Distribution

European Standard Travel Cord Set

HV Power Distribution 10 Awarded Future Launches



First Mass-Market On Board Battery Charger

Years of Production Experience

First Inverter-Integrated Charging

HV Power Distribution

7kW Battery Charger

### **Competitive Advantage**

- Only Tier-1 with full electrification architecture portfolio
- Complete 48V product portfolio

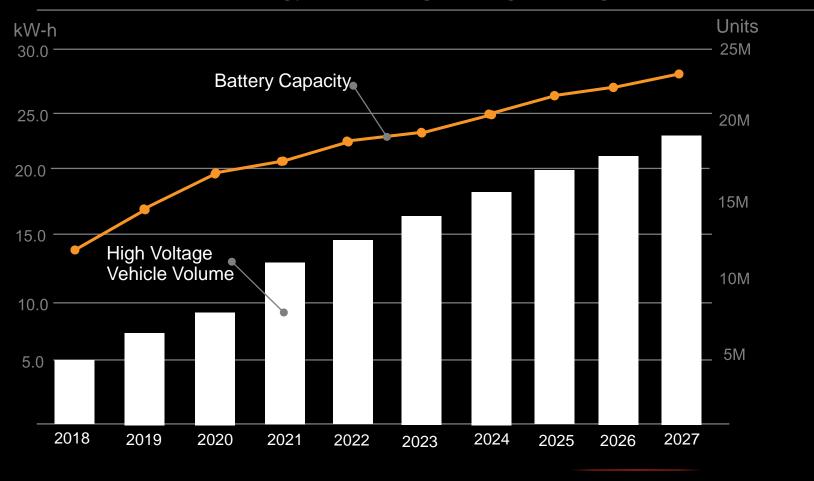
- Scalable core technologies
- Highest efficiency battery charger in the industry





# **Electrification Technology Trends**

### **Volume and Technology Increasing for High Voltage Vehicle Products**

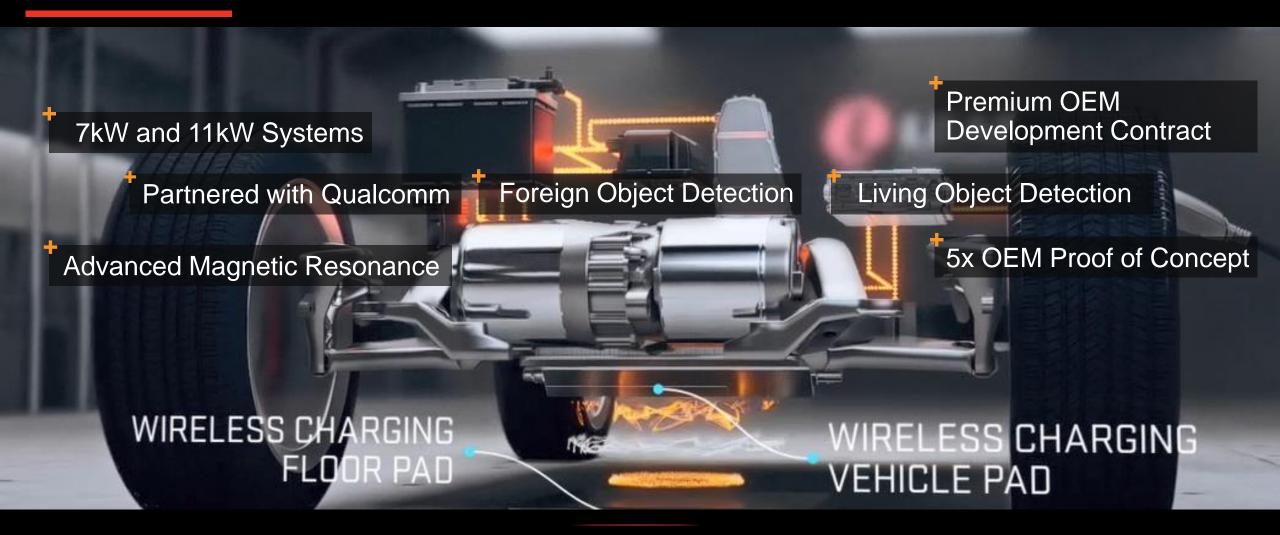


### **E-Systems Technology Roadmap**

- Battery charger power levels:
  - 3kW → 7kW → 11kW → 22kW
- New content including fast charging capabilities and highly integrated electronic solutions
- Higher power, voltage and performance requirements
- Increased battery electronics
- Scalable core technologies required to accommodate across vehicle types and power levels



# Electrification Innovation – Wireless Electric Vehicle Charging





# Connectivity



# **Complete Connectivity Product Portfolio**

**Communications Module** 



Central Gateway Module



High Accuracy Vehicle Positioning





Cypersecurity



**Central Application Server** 



V2X On-Board Unit



### **ADVANCED SOFTWARE**

Cybersecurity

**OTA Software** 

Cellular Communication

V2X Applications

eCall

High Accuracy Vehicle Positioning

**Sensor Fusion** 

Message Translation and Routing

Mobile / Web Applications





## **Connectivity Leader**

The Industry's

# **Most Sophisticated**

Connectivity System

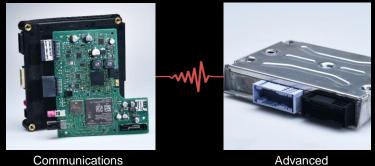




#### **Communication Module**

- 4.5G cellular connectivity
- Gigabit Ethernet wire connectivity
- Full eCall system
- Multi-core architecture microprocessor
- WiFi and Bluetooth

### **LEAR CONNEXUS™**



Module

Advanced Gateway

### **Connected Gateway**

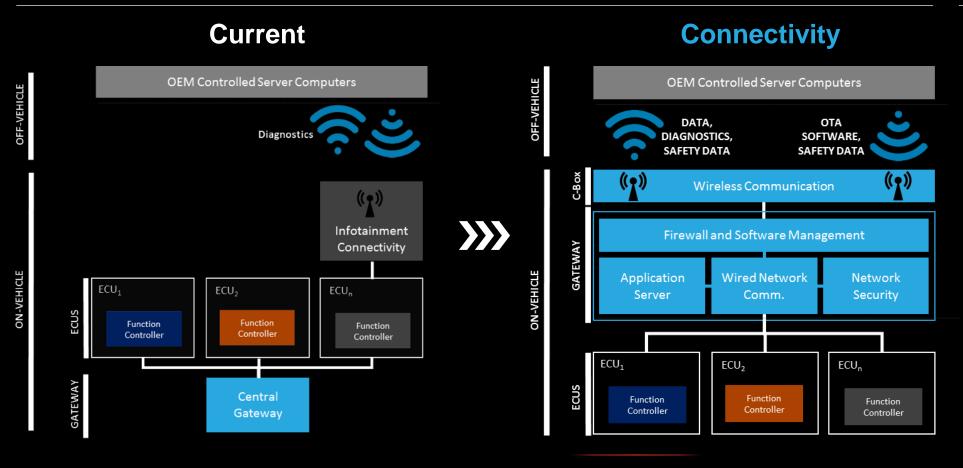
- Complete vehicle OTA software update manager
- 20 vehicle network connections
- 5 Ethernet, 4 FlexRay, 11 CAN / LIN networks
- Gigabit connectivity to communications module
- Additional memory for OTA software management





# **Connectivity Architecture Trends**

#### **Architecture Evolution**

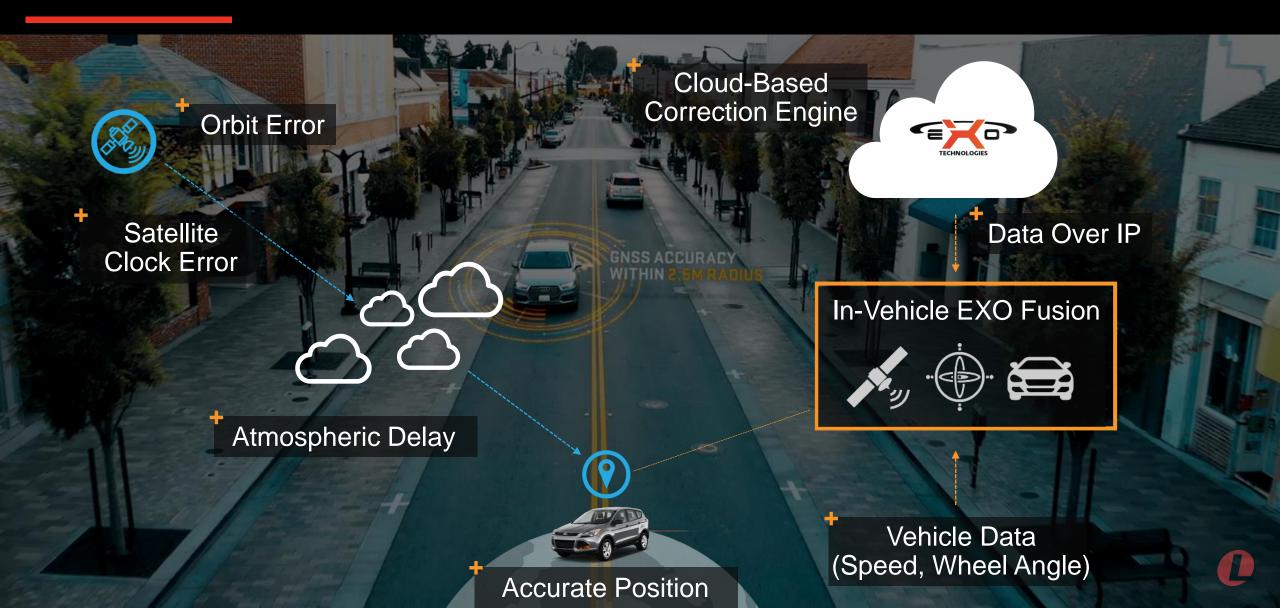


# E-Systems Technology Roadmap

- Higher speed communications
  - 4G → 4.5G → 5G (1st)
    - Ethernet (1st)
  - Advanced cybersecurity
- OTA software
- Data analytics
- V2X
- High accuracy vehicle positioning
- Advanced software architectures and content



# Connectivity Innovation – EXO High Accuracy Vehicle Positioning



# Electrical Architecture

# **Electrical Architecture Agenda**

- Electrical Distribution Systems Profile
- Electrical Distribution Systems Product Portfolio
- Electrical Architecture Capabilities, Trends and Technology
- Electrification

### **Bill Presley**

Vice President, Electrical Distribution Systems



# **Electrical Distribution Systems Profile**







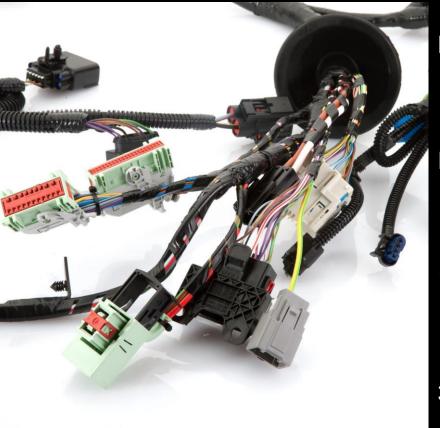




1,200+ Engineers Globally

500+ Engineers in Asia

21 Development Centers



Manage ≈40,000 Changes per year

Product on 277 Programs Globally

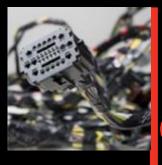
127 Launches in 2018

36 EDS Manufacturing Facilities



### **Core Electrical Distribution Product Portfolio**

### **Electrical Distribution Systems**



Wire Harnesses



Copper-Clad Steel



Terminals and Connectors



0.13mm<sup>2</sup> Terminal Grip



Circuit Protection



Power
Distribution
Boxes



Solid State Smart Junction Box



48V & HV Wire Harnesses



48V & HV Terminals and Connectors



Highest Powerto-Size Ratio Connection System



HV Power Distribution



Electrical Centers



## **Core Electrical Distribution Product Portfolio**

Electrification

### **Electrical Distribution Systems**



Wire <u>Harnes</u>ses



Terminals and Connectors



Circuit Protection



Power
Distribution
Boxes



48V & HV Wire Harnesses



48V & HV Terminals and Connectors



**HV Power** Distribution



Electrical Centers

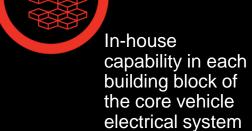


# **Electrical Architecture Expertise**

**Wire Harnesses** 

\*1/1

Full architecture solutions providers







Controllers •



#### **Terminals and Connectors**





## **Electrical Architecture Optimization**



- Class-defining Lear's
   Virtual Proving Grounds
- Reduced time to market
- Designed right the first time
- Largest materials database in the industry
- Convergence synergy with Seating



#### **Process**





Wire Gauge Reduction



Advanced Technologies



System and Feature
Optimization



### **Competitive Advantage**

Typical optimizations achieved

- 10% Size
- 15% Mass
- 30% Cost

CPV continues to expand as new features and functions are added

Optimization enables the most efficient way to manage increased architecture complexity



## **Product Innovation Roadmap**















**Key Product Innovations** 











Connectivity

**Efficiency** 

**Safety** 

**Autonomy** 

**Shared Mobility** 

**Miniaturization** 

**Modularity and Scalability** 

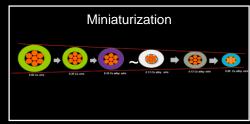
**Heavy Duty Cycle** 

Sustainable

**High Speed Signal Distribution** 







**Adaptable Power Scaling** 

**Alternative Wire Technology** 

Alternative Materials
Routing Aids and Coverings

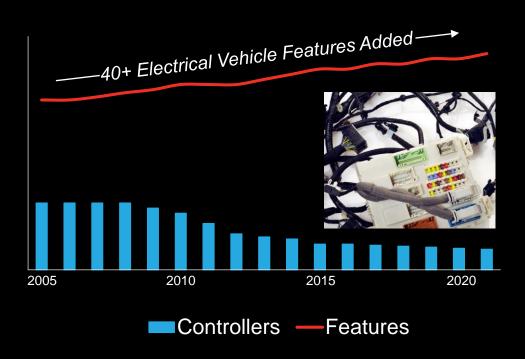
Scalable Connection Systems

Lear's Virtual Proving Grounds



# Electrical Architecture Trends Aligned to Deliver Additional Feature Content

#### **Electrical Architecture Content**



### **Electrical Architecture Trends**

- Centralized computing enabled by high speed data transfer capabilities
- Zoned power distribution
- Autonomy will require redundant electrical architecture for reliability
- Electrification requires additional voltage layers



# Wire and Data Bus Wire Assemblies are Dominant Conductors over Next 10+ Years

Conductor Type	Piece Cost	Speed of Change	Package Size
Wire	\$	+	+
Bus Bars	\$\$	-	++
Flex Circuits	\$\$\$		+++
Data Bus Wire Assemblies	\$\$	+	+

Lear Experience	Enabling T&C Portfolio
40+ years	<b>✓</b>
35+ years	<b>✓</b>
20+ years	<b>✓</b>
30+ years	<b>✓</b>

Industry Share 2018	Industry Share 2028
0	O
O	



### **Electrification – Power Distribution**

### **Full Range of Electrification**

# 12V **I** ■ START-STOP **I** ■ MILD HYBRID FULL HYBRID FIF PLUG-IN HYBRID FULL ELECTRIC

### **Engineering and Technology**

- Proven track record on multiple global 48V and EV applications
- · Aligned technology to market trends in high voltage technologies
- Synergies across power distribution and electronics teams create superior products
- Proprietary highest power-to-size ratio terminal in the industry
- Alternative materials expertise enables aluminum adoption in terminals and wiring
- · Highly adaptive design enables multiple applications from common base design
- Scalable across the full range of electrified vehicles

### **Key Products**



# Convergence

### **Mandy Rice**

Vice President, Advanced Sales & Product Technology

# Uniquely Positioned to Deliver Seating Systems of the Future

SEATING

# CONVERGENCE







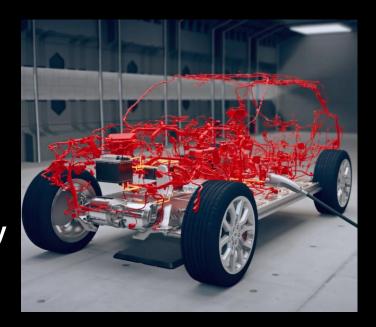




**Mobility** 



Connectivity



SEATING + E-SYSTEMS = NEXT GENERATION INTELLIGENT SEAT



# Seating of the Future

### **Audi**



"We are thinking of **completely different configurations**... for a business journey, you can rent a business environment." (Enzo Rothfuss, Audi head interior design)

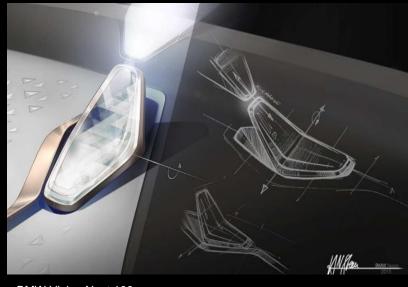
### Nissan



Nissan Future EVs

- Interiors are becoming more important
- Delivering intelligent mobility

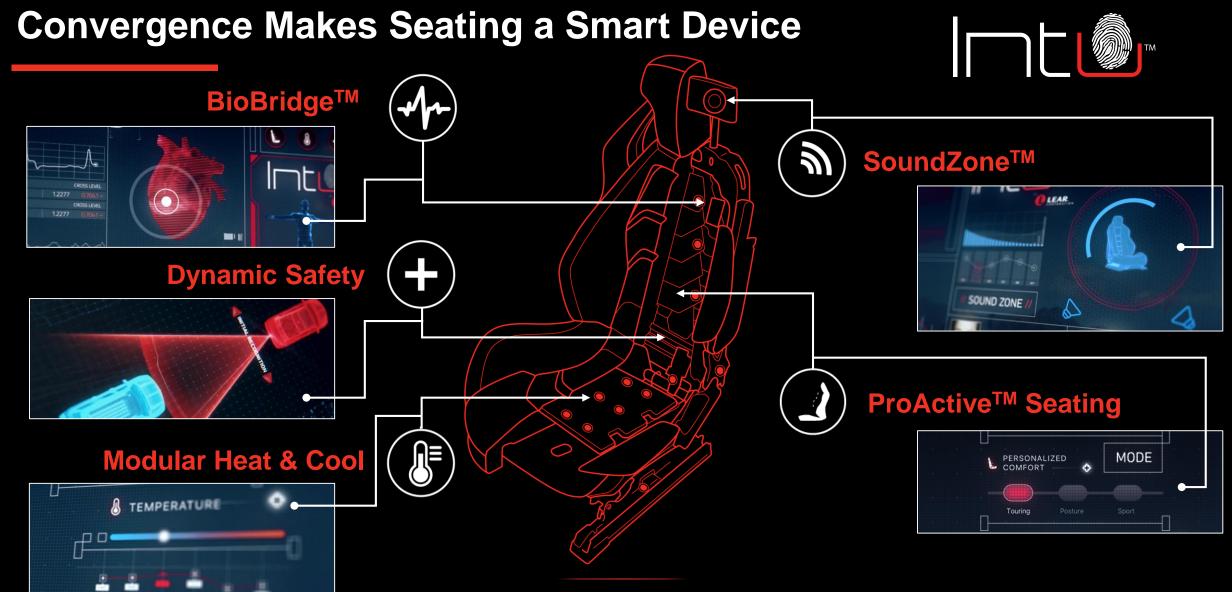
### **BMW**



BMW Vision Next 100

- Perfect connectivity between the user and the surroundings
- Provide personal mobility preferences
- Interior is transformed into an individual comfort zone







# **Dynamic Safety**





Connectivity

Description: Mobility

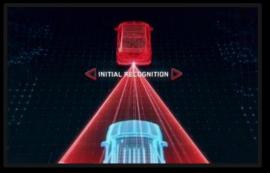
Lear's Dynamic Safety system pre-positions the occupant for optimal safety in an impending collision

### **Unique features:**

- Utilizes Lear's intelligent mechanisms, proprietary algorithms and existing onboard sensors for system activation
- Rapidly positions the seat to optimal safety position before an incident occurs
- Reduces intrusion of front seat back into rear seating area, improving rear occupant safety

### **Convergence:**

Software, safety control module and connectivity









# **BioBridge<sup>TM</sup>**



**Description:** Connectivity

BioBridge<sup>™</sup> is Lear's **biometric sensing technology** to detect key measurements like heart and respiratory rates

### **Unique features:**

- Ability to detect stress and drowsiness
- Non-intrusive measurements using Doppler RF sensor technology
- Intelligent response (heat, cool, massage, haptic / audio feedback)
- Secure wireless communications through Lear ConnexUs™ gateway architecture

### **Convergence:**

Doppler and RF sensing, software, hardware and connectivity







# ProActive<sup>™</sup> Seating





**Mobility** 

Connectivity



### **Description:**

ProActive<sup>™</sup> Seating is Lear's **intelligent seat adjustment technology**, which provides ultimate comfort to the occupant

### **Unique features:**

- Customizable and selectable seating modes provide individual comfort
- Intelligence detects occupant anthropometry to adjust for optimal position

### **Convergence:**

Software, hardware and connectivity





### **Modular Heat and Cool**







**Electrification** 

### **Description:**

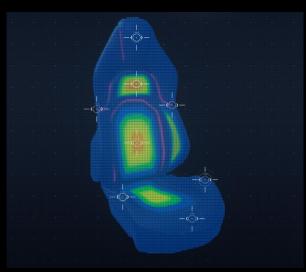
Lear's Modular Heat and Cool system provides a **personal climate environment** for ultimate thermal comfort, which allows for HVAC system optimization

### **Unique features:**

- Customizable personal climate for each occupant
- Temperature automatically adjusts using sensors and programmed intelligence based on occupant and vehicle settings
- Self-contained module that is easily integrated into any full seat assembly for crafted appearance

### **Convergence:**

Software, thermal control module and connectivity













**Mobility** 

Connectivity



ConfigurE+ Gen 3 Adaptive Rear Seating technology is an adaptable length, electrified rail system enabled by removable interface cassette modules

### **Unique features:**

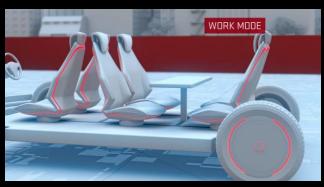
- Easy adjustment within the rails for entry, comfort positioning and removal
- Self-contained electrified system to add power features such as heat / cool, power recline and configuration
- Multi-cabin configurability modes including conference, cargo, relaxation and entertainment

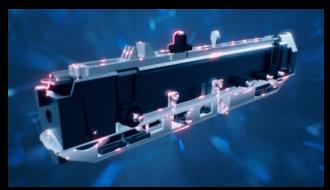
### **Convergence:**

Electrified system and connectivity



Peugeot Traveller







### SoundZone™



**Mobility** 



**Connectivity** 



### **Description:**

SoundZone<sup>™</sup> is Lear's **personal audio technology**, which provides each occupant a secluded and connected environment in the vehicle

### **Unique features:**

- Bluetooth enabled for **individual connectivity** to a personal device for audio and communication
- Noise cancellation enables individual media without headphones

### **Convergence:**

Software, audio domain controller and connectivity





## Convergence is NOW

- ConfigurE+ is in production today; electrified version launching in 2020
- We have an advanced development contract for BioBridge<sup>TM</sup> with a major OEM that will be first to market; 3 additional OEM vehicle evaluations in process
- Modular Heat and Cool has strong customer interest; working with 7 global OEMs
- Over 20 INTU<sup>TM</sup> seating advanced technology projects with 10 global OEMs

**Seating and E-Systems...** Better Together



# Financial Overview and Outlook

### **Jeff Vanneste**

Senior Vice President and Chief Financial Officer

# **Key Messages**

- Track record of superior performance
- Consistent outperformance of our peer group
- Strongest competitive position in our history
- Strong outlook for continued profitable growth



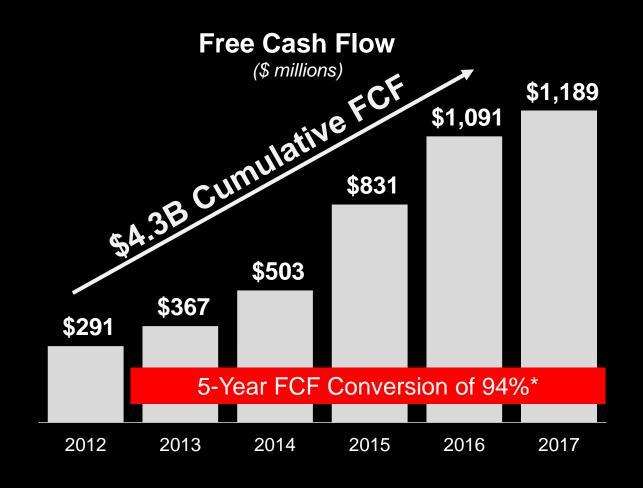
# Track Record of Superior Performance

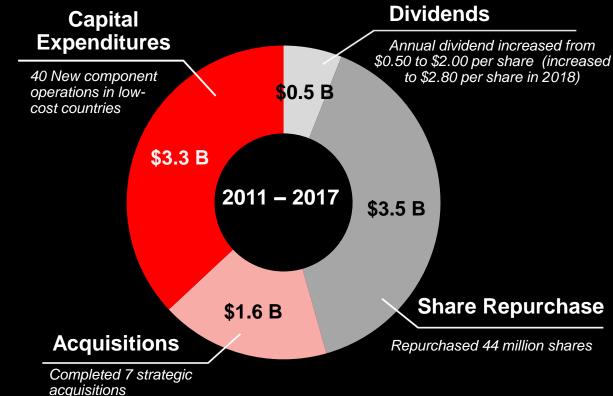
# Track Record of Sales and Earnings Growth





# **Strong Conversion of Earnings to Cash**





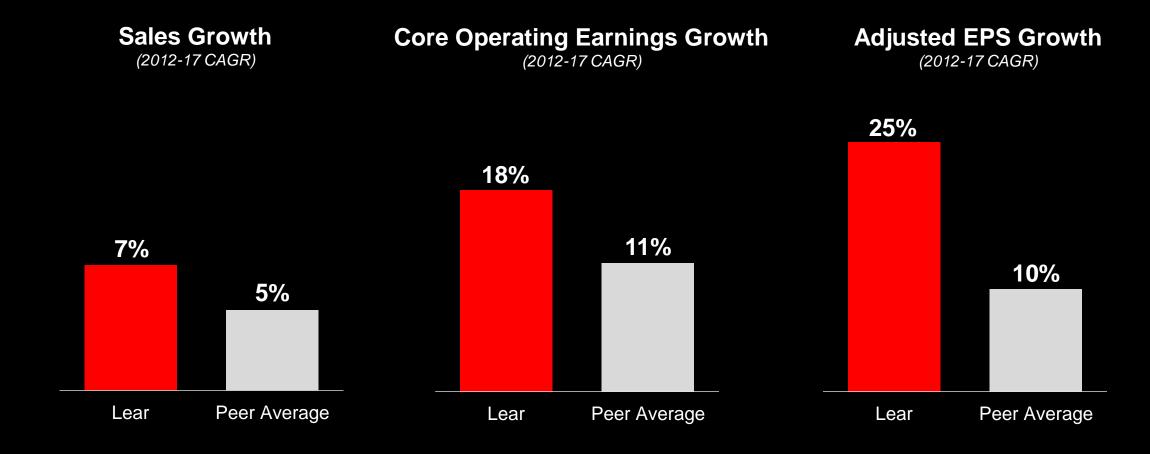


**Strongest Competitive** 

**Position in Our History** 

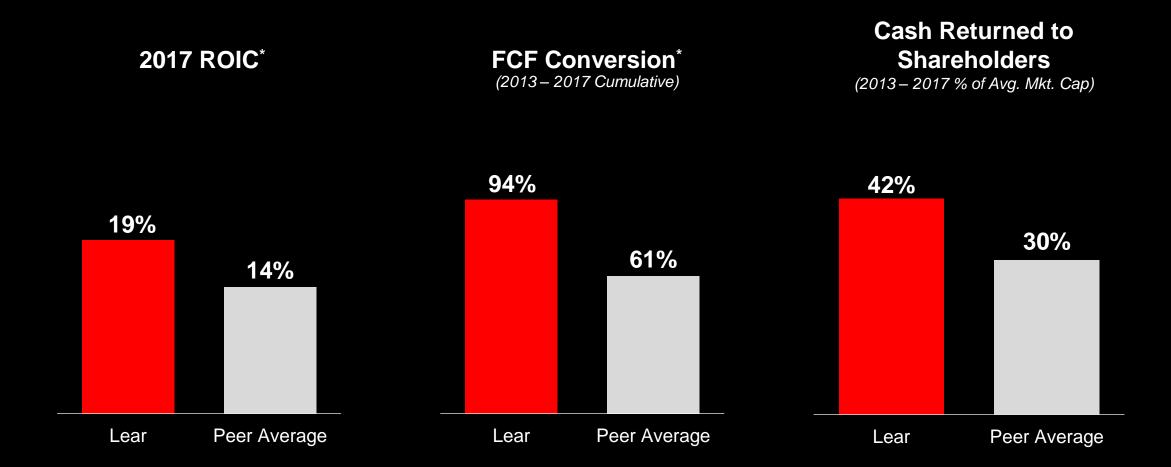
# Consistent Outperformance of Our Peer Group

# Sales and Earnings Growth Outperforming Peer Group





# Strong ROIC, Cash Conversion and Cash Returned to Shareholders

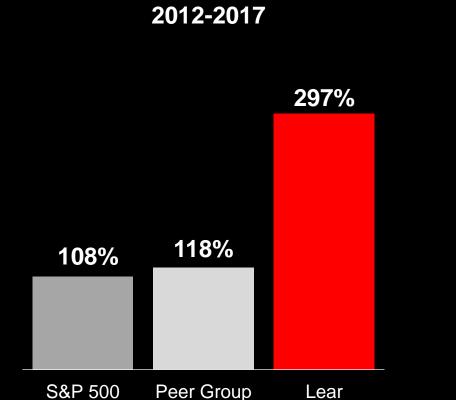


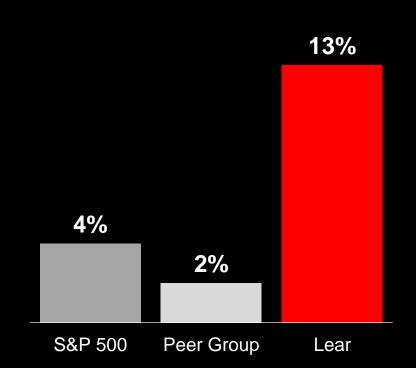


# **Delivering Superior Shareholder Returns**

**Our Peer Group** 

#### **Total Shareholder Returns**



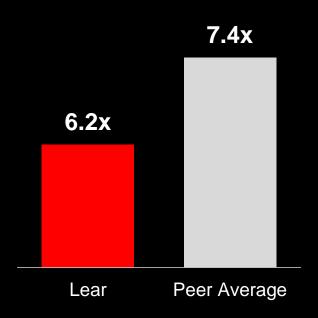


**2018 YTD** 



# Despite Outperformance, Lear Shares Remain Undervalued

#### **2018 EV / EBITDA**

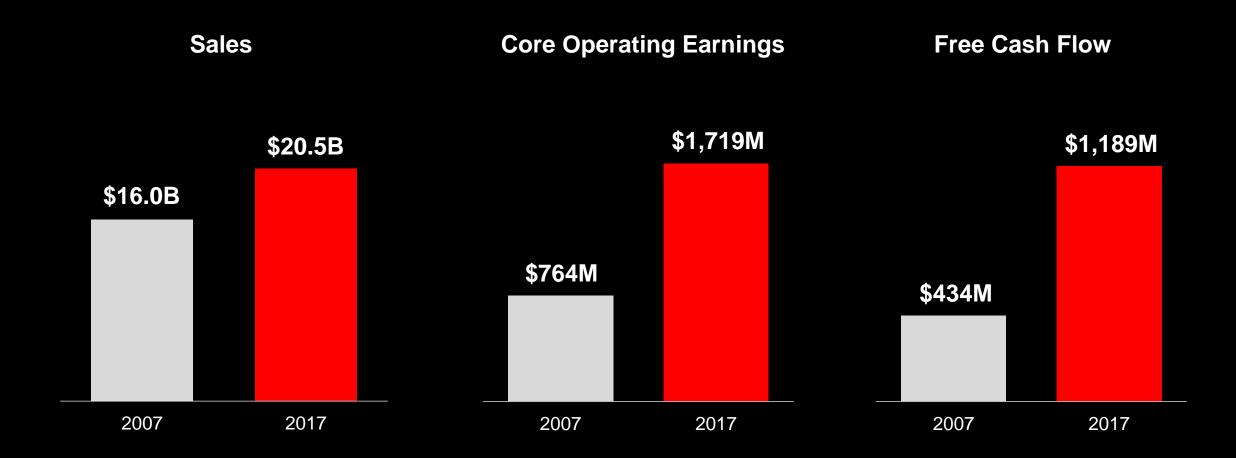


- Valuation has improved with consistent, superior performance
- Continue to trade at a valuation discount to our peer group
- Continued opportunity for valuation improvement driven by growth and continued performance



# Strongest Competitive Position in Our History

# Delivering Record Sales, Earnings and Free Cash Flow





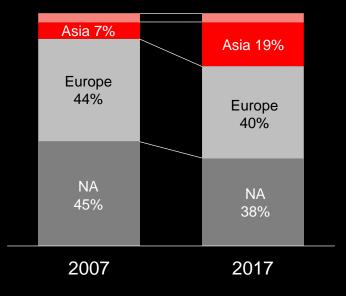
Sales by Region

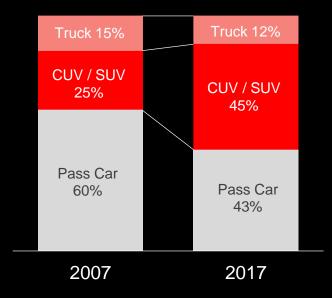
**Track Record of Superior** 

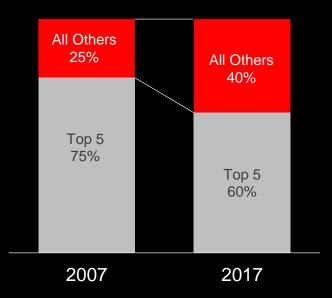
Performance

Sales by Segment

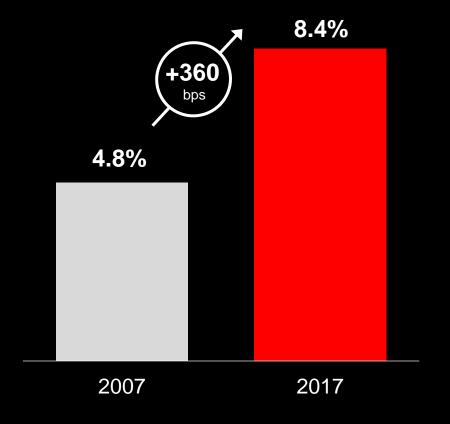
**Sales by Customer** 







# **Core Operating Margins Have Improved to Record Levels**



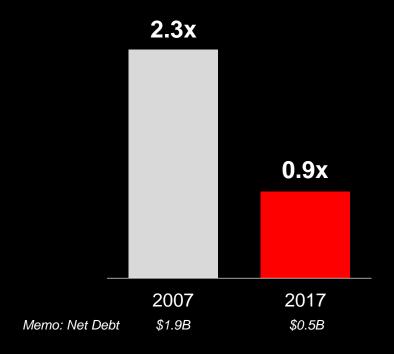
- Both segments operating at record levels
- Margins have expanded in all regions and are solidly profitable
- Profitability balanced by region and customer
- Opportunities exist for continued margin improvement
  - South America
  - Structures



# Strong Balance Sheet Provides Financial Flexibility

### **Leverage Ratio**

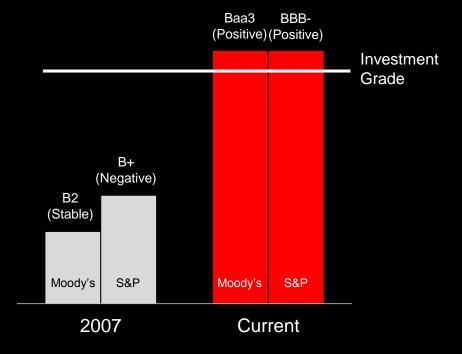
(Gross Debt / Adjusted EBITDA)



#### **Corporate Credit Ratings**

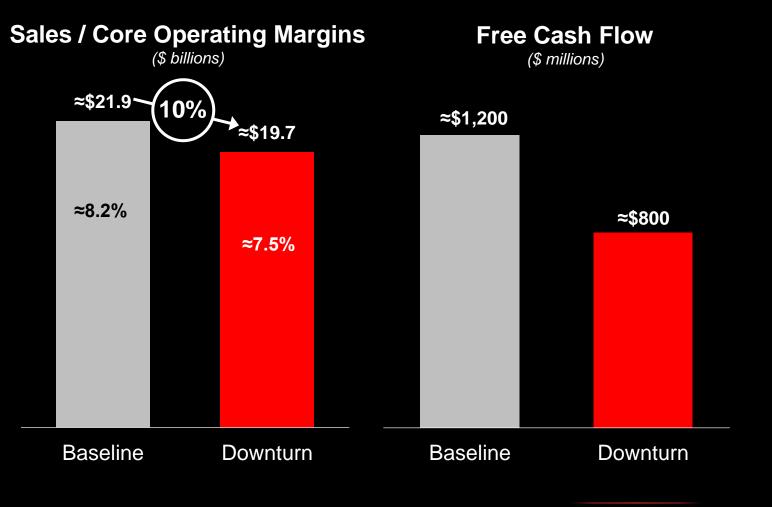
**Strongest Competitive** 

**Position in Our History** 





#### 10% Downside Scenario



**Consistent Outperformance of Our Peer Group** 

#### **Assumptions**

- 2018 Outlook = Baseline
- 10% lower industry production across all regions
- Variable margin impact ≈20% before mitigating actions
- Modest working capital deterioration
- Lower cash taxes

#### **Mitigating Actions**

- Moderation in customer givebacks (win-win approach)
- Reduce / delay discretionary spending
- Fixed cost reductions (including census & facilities)
- Reprioritize capital projects
- More than \$1 billion of annual backlog

#### **Outcome / Impact**

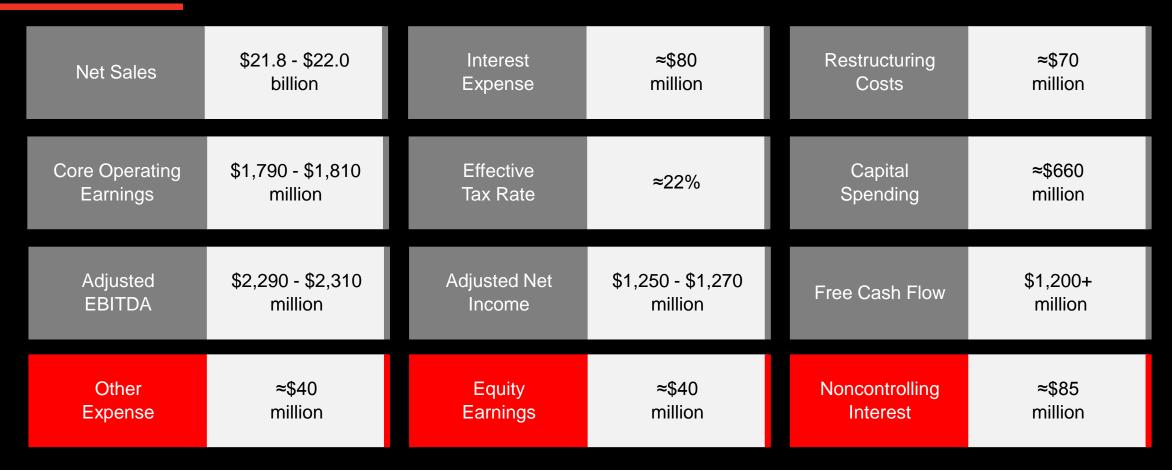
- Current liquidity maintained at over \$3 billion, before M&A or share buyback
- Maintain current dividend
- Financial flexibility to be opportunistic in M&A



# Strong Outlook for Continued Profitable Growth

**Track Record of Superior** 

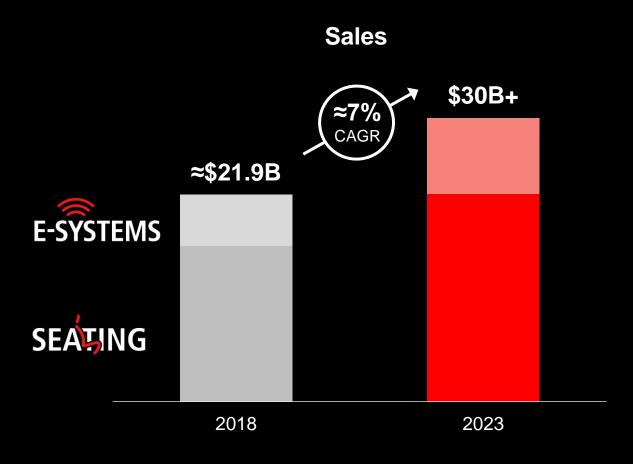
# **2018 Outlook Financial Summary**



### 2018 Outlook Remains Unchanged



## **2023 Sales Outlook**



- Continued content growth and market share gains in both segments
- Sales growth of 7% annually, or 5 ppts. above industry production

**Strongest Competitive** 

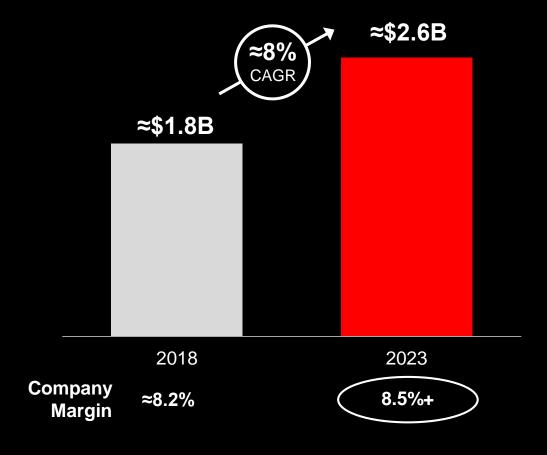
**Position in Our History** 

- Seating at 4-5 ppts. growth above industry production
- E-Systems 6-8 ppts. growth above industry production



# **2023 Core Operating Earnings Outlook**

#### **Core Operating Earnings**

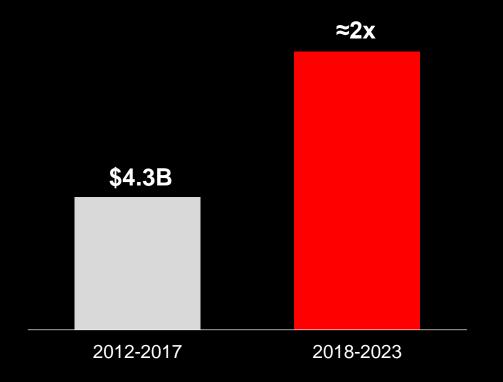


- Company margin expansion to 8.5%+
  - E-Systems grows at faster rate than Seating
  - HQ segment costs grow at slower rate than sales
- Segment margins maintained at present levels
  - E-Systems margins ≈14%
  - Seating margins ≈8%



# Free Cash Flow and Capital Allocation Outlook

#### **Cumulative Free Cash Flow**



- Continue to deliver record free cash flow with segment leading free cash conversion
- Continue to invest in profitable growth
  - Capital expenditures at ≈3.0% of sales
- Strategic M&A to build capabilities and strengthen customer / regional market share
- Maintain investment grade credit metrics
- Maintain competitive dividend
- Continue to return excess cash to shareholders



# Wrap up

# Summary

- Industry-leading team with a culture of continuous improvement
- Two critical automotive systems that are high-performing and complementary
- Financial discipline and strong execution driving record earnings and free cash flow
- A decade of investing in the business provides leading cost structure and competitiveness
- Sales and profitability well balanced by geographic region, customer, vehicle platform and product segment
- Strategic acquisitions have strengthened core businesses and added unique capabilities
- Significant opportunities for growth in China
- Products aligned with trends of electrification, connectivity and mobility, and will continue to benefit from convergence



# Appendix

In addition to the results reported in accordance with GAAP included throughout this presentation, the Company has provided information regarding "pretax income before equity income, interest, other (income) expense, restructuring costs and other special items" (core operating earnings or adjusted segment earnings and related margins), "pretax income before equity income, interest, other (income) expense, depreciation expense, amortization of intangible assets, restructuring costs and other special items" (adjusted EBITDA), "adjusted net income attributable to Lear" (adjusted net income), adjusted diluted net income per share available to Lear common stockholders (adjusted earnings per share), "tax expense excluding the impact of restructuring costs and other special items" and "free cash flow" (each, a non-GAAP financial measure). Other (income) expense includes, among other things, non-income related taxes, foreign exchange gains and losses, gains and losses related to certain derivative instruments and hedging activities, losses on the extinguishment of debt, gains and losses on the disposal of fixed assets and the non-service cost components of net periodic benefit cost. Adjusted net income represents net income attributable to Lear adjusted for restructuring costs and other special items, including the tax effect thereon. Adjusted earnings per share represents diluted net income per share available to Lear common stockholders adjusted for the redeemable noncontrolling interest adjustment, restructuring costs and other special items, including the tax effect thereon. Free cash flow represents net cash provided by operating activities, excluding the net change in sold accounts receivable and the settlement of accounts payable in conjunction with the acquisition of Eagle Ottawa, less adjusted capital expenditures. Adjusted capital expenditures represent capital expenditures, net of related insurance proceeds.

Management believes the non-GAAP financial measures used in this presentation are useful to both management and investors in their analysis of the Company's financial position and results of operations. In particular, management believes that core operating earnings, adjusted EBITDA, adjusted net income, adjusted earnings per share and tax expense excluding the impact of restructuring costs and other special items are useful measures in assessing the Company's financial performance by excluding certain items that are not indicative of the Company's core operating performance or that may obscure trends useful in evaluating the Company's continuing operating activities. Management also believes that these measures are useful to both management and investors in their analysis of the Company's results of operations and provide improved comparability between fiscal periods. Management believes that free cash flow is useful to both management and investors in their analysis of the Company's ability to service and repay its debt. Further, management uses these non-GAAP financial measures for planning and forecasting future periods.

Core operating earnings, adjusted EBITDA, adjusted net income, adjusted earnings per share, tax expense excluding the impact of restructuring costs and other special items and free cash flow should not be considered in isolation or as a substitute for net income attributable to Lear, diluted net income per share available to Lear common stockholders, cash provided by operating activities or other income statement or cash flow statement data prepared in accordance with GAAP or as a measure of profitability or liquidity. In addition, the calculation of free cash flow does not reflect cash used to service debt and, therefore, does not reflect funds available for investment or other discretionary uses. Also, these non-GAAP financial measures, as determined and presented by the Company, may not be comparable to related or similarly titled measures reported by other companies.

Set forth on the following slides are reconciliations of these non-GAAP financial measures to the most directly comparable financial measures calculated and presented in accordance with GAAP.



Core Operating Earnings and Margins (\$ in millions)		2007	2012	2017		
Net sales	\$1	5,995.0	\$ 14,567.0	\$ \$ 20,467.0		
Net income attributable to Lear	\$	241.5	\$ 1,282.8	\$ 1,313.4		
Interest expense		199.2	49.9	85.7		
Other (income) expense, net		40.7	6.4	(4.1)		
Income taxes		89.9	(638.0)	197.5		
Equity in net income of affiliates		(33.8)	(30.3)	(51.7)		
Net income attributable to noncontrolling interests		25.6	34.4	67.5		
Restructuring costs and other special items -						
Costs related to divestiture of Interior business		20.7	-	-		
Costs related to restructuring actions		181.8	55.7	75.4		
U.S. salaried pension plan curtailment gain		(36.4)	-	-		
Costs related to merger transaction		34.9	-	-		
Acquisition and other related costs		-	6.2	3.8		
Acquisition-related inventory fair value adjustment		-	-	5.0		
Litigation		-	-	13.9		
Insurance recoveries, net related to the						
destruction of assets		-	(14.6)	-		
Other		-	10.1	12.6		
Core operating earnings	\$	764.1	\$ 762.6	\$ 1,719.0		
Core Operating margins		4.8%	5.2%	8.4%		

Adjusted EBITDA	١
-----------------	---

(\$ in millions)	2007	2017
Net income attributable to Lear	\$ 241.5	\$ 1,313.4
Depreciation expense	291.7	380.1
Amortization of intangible assets	5.2	47.6
Interest expense	199.2	85.7
Other (income) expense, net	40.7	(4.1)
Income taxes	89.9	197.5
Equity in net income of affiliates	(33.8)	(51.7)
Net income attributable to noncontrolling interests	25.6	67.5
Restructuring costs and other special items -		
Costs related to divestiture of Interior business	20.7	-
Costs related to restructuring actions	181.8	75.4
U.S. salaried pension plan curtailment gain	(36.4)	-
Costs related to merger transaction	34.9	-
Acquisition and other related costs	-	3.8
Acquisition-related inventory fair value adjustment	-	5.0
Litigation	-	13.9
Other	-	12.6
Adjusted EBITDA	\$ 1,061.0	\$ 2,146.7

Adjusted Earnings Per Share (In millions, except per share amounts)	2012	2013	2014	2015	2016	2017
Net income available to Lear common stockholders	\$ 1,282.8	\$ 431.4	\$ 672.4	\$ 745.5	\$ 975.1	\$ 1,287.9
Redeemable noncontrolling interest		-	-	-	-	25.5
Net income attributable to Lear	1,282.8	431.4	672.4	745.5	975.1	1,313.4
Costs related to restructuring actions	55.6	83.8	115.3	97.2	69.6	74.5
Costs related to proxy contest		3.0				
Pension settlement charge					34.2	
Acquisition and other related costs	6.2		5.3	10.9	1.3	3.8
Acquisition-related inventory fair value adjustments				15.8		5.0
Losses and incremental costs (insurance recoveries), net						
related to the destruction of assets	(41.1)	7.3				
Litigation		7.3				15.4
Loss on extinguishment of debt	3.7	3.6	17.9	14.3		21.2
(Gain) loss related to affiliate	(5.1)		8.0	1.8	(30.3)	(54.2)
Other	10.1	1.4	3.3	1.5		13.5
U.S. transition tax on accumulated foreign earnings						131.0
Deferred tax impact of U.S. corporate tax reform						42.5
Foreign tax credits on repatriated earnings						(289.7)
Tax impact of special items and other net tax adjustements <sup>1</sup>	(764.4)	(27.8)	(149.1)	(43.1)	(23.6)	(98.6)
Adjusted net income attributable to Lear	\$ 547.8	\$ 510.0	\$ 665.9	\$ 843.9	\$ 1,026.3	\$ 1,177.8
Weighted average number of diluted shares outstanding	99.8	86.4	81.7	77.8	73.1	69.3
Diluted net income per share available to Lear common stockholders	\$ 12.85	\$ 4.99	\$ 8.23	\$ 9.59	\$ 13.33	\$ 18.59
Adjusted earnings per share	\$ 5.49	\$ 5.90	\$ 8.15	\$ 10.85	\$ 14.03	\$ 17.00

<sup>1</sup> Reflects the tax effect of restructuring costs and other special items and several discrete tax items, including \$739.3 million related to the reversal of a valuation allowance on our U.S. deferred tax assets in 2012 and \$14.3 million related to an incentive tax credit in a foreign subsidiary, \$29.9 million related to the reversal of valuation allowances on the deferred tax assets of certain foreign subsidiaries and \$17.3 million related to the change in the accounting for share-based compensation in 2017. The identification of these tax items is judgmental in nature, and their calculation is based on various assumptions and estimates.



Free Cash Flow (\$ in millions)	2007	2012	2	2013	2014		2015	2016	2017
Net cash provided by operating activities	\$ 466.9	\$ 729.8	\$	820.1	\$ 927.8	\$ 1	1,271.1	\$ 1,619.3	\$ 1,783.1
Net change in sold accounts receivable Settlement of accounts payable in conjunction with	168.9	-		-	-		-	-	-
acquisition of Eagle Ottawa	-	-		-	-		45.7	-	-
Adjusted capital expenditures <sup>1</sup>	(202.2)	(439.1)		(453.5)	(424.7)		(485.8)	(528.3)	(594.5)
Free cash flow	\$ 433.6	\$ 290.7	\$	366.6	\$ 503.1	\$	831.0	\$ 1,091.0	\$ 1,188.6



<sup>&</sup>lt;sup>1</sup> Reflected net of related insurance proceeds of \$19.2 million in 2012 and \$7.1 million in 2013.

Adjusted Segment Earnings and Margins		20	)12		2017					
(\$ in millions)	S	eating	E-\$	Systems	5	Seating	E-Systems			
Net sales	<u>\$1</u>	1,029.6	\$ 3,537.4		\$ 15,873.0		\$	4,594.0		
Segment earnings	\$	661.7	\$	254.9	\$	1,250.8	\$	641.6		
Costs related to restructuring actions		48.1		4.3		46.2		21.3		
Acquisition and other related costs		0.9		-		0.3		-		
Acquisition-related inventory fair value adjustment		-		-		4.3		0.7		
Litigation		-		-		10.6		3.3		
Insurance recoveries, net related to the										
destruction of assets		(14.8)		-		-		-		
Other		1.4		0.2		1.9		4.8		
Adjusted segment earnings	\$	697.3	\$	259.4	\$	1,314.1	\$	671.7		
Adjusted segment margins		6.3%		7.3%		8.3%		14.6%		