

#### **Safe Harbor Statement\***

This presentation contains statements that are not historical facts but rather forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those that address activities, events or developments that Autoliv, Inc. or its management believes or anticipates may occur in the future. All forwardlooking statements, are based upon our current expectations, various assumptions and/or data available from third parties. Our expectations and assumptions are expressed in good faith and we believe there is a reasonable basis for them. However, there can be no assurance that such forward-looking statements will materialize or prove to be correct as forwardlooking statements are inherently subject to known and unknown risks, uncertainties and other factors which may cause actual future results, performance or achievements to differ materially from the future results, performance or achievements expressed in or implied by such forward-looking statements. In some cases, you can identify these statements by forward-looking words such as "estimates", "expects", "anticipates", "projects", "plans", "intends", "believes", "may", "likely", "might", "would", "should", "could", or the negative of these terms and other comparable terminology, although not all forward-looking statements contain such words. Because these forward-looking statements involve risks and uncertainties, the outcome could differ materially from those set out in the forward-looking statements for a variety of reasons, including without limitation, changes in light vehicle production; fluctuation in vehicle production schedules for which the Company is a supplier, changes in general industry and market conditions or regional growth or decline; changes in and the successful execution of our capacity alignment, restructuring and cost reduction initiatives and the market reaction thereto; loss of business from increased competition; higher raw material, fuel and energy costs; changes in consumer and customer preferences for end products; customer losses; changes in regulatory conditions; customer bankruptcies, consolidations, or restructurings; divestiture of customer brands; unfavorable fluctuations in currencies or interest rates among the various jurisdictions in which we operate; component shortages; market acceptance of our new products; costs or difficulties related to the integration of any new or acquired businesses and technologies; continued uncertainty in pricing negotiations with customers; successful integration of acquisitions and operations of joint ventures; successful implementation of strategic partnerships and collaborations; our ability to be awarded new business; product liability, warranty and recall claims and investigations and other litigation and customer reactions thereto; (including the resolution of the Toyota recall); higher expenses for our pension and other postretirement benefits, including higher funding needs for our pension plans; work stoppages or other labor issues; possible adverse results of pending or future litigation or infringement claims; our ability to protect our intellectual property rights; negative impacts of antitrust investigations or other governmental investigations and associated litigation relating to the conduct of our business; tax assessments by governmental authorities and changes in our effective tax rate; dependence on key personnel; legislative or regulatory changes impacting or limiting our business; political conditions; dependence on and relationships with customers and suppliers; and other risks and uncertainties identified under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Reports and Quarterly Reports on Forms 10-K and 10-Q and any amendments thereto. For any forward-looking statements contained in this or any other document, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995, and we assume no obligation to update publicly or revise any forward-looking statements in light of new information or future events, except as required by law.

(\*) Non-US GAAP reconciliations are disclosed in our regulatory filings available at www.sec.gov or www.autoliv.com





**Leading the Way**Capital Markets Day 2019



**Autoliv in Utah** end-to-end Airbag production **Tremonton** Initiator production North Logan Autoliv North America (ITO) Promontory Logan Inflator propellant (165) **Brigham City** Inflator production **Ogden Tech Center** America Inc (OTC) **Ogden Airbag** Airbag assembly Clearfield **Leading the Way Autoliv** Capital Markets Day 2019 Copyright Autoliv Inc., All Rights Reserved

Salt Lake City

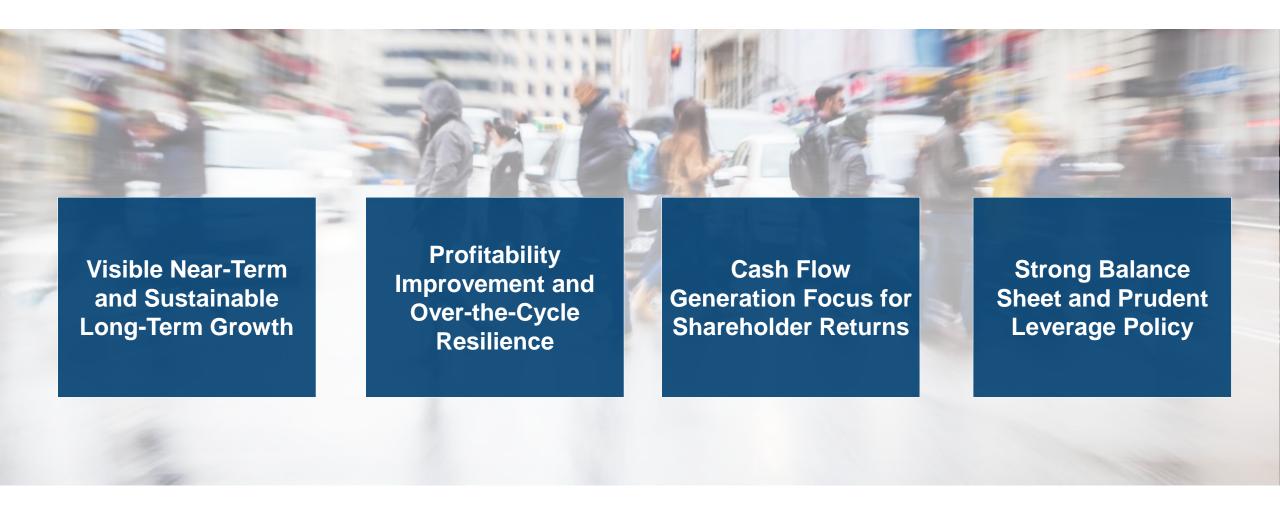
**Creating Long-Term Value for all Stakeholders** 

Shareholders, Society, Employees, Customers





# **Creating Value for Shareholders**





# **Autoliv Key Targets and Ambitions**

Medium term

Organic growth vs. LVP +3-4% per year

**Medium Term** 

Adj. Operating Margin<sup>1</sup> ~12%

Long-Term

Grow at least in line with market Adj. Operating Margin<sup>(1)</sup> ~13%

Targets

Ambitions

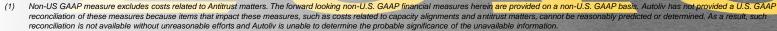
Medium Term

Cash conversion²

≥80%

**Medium Term** 

~1.0x Leverage Ratio<sup>3</sup> (0.5-1.5x Range)

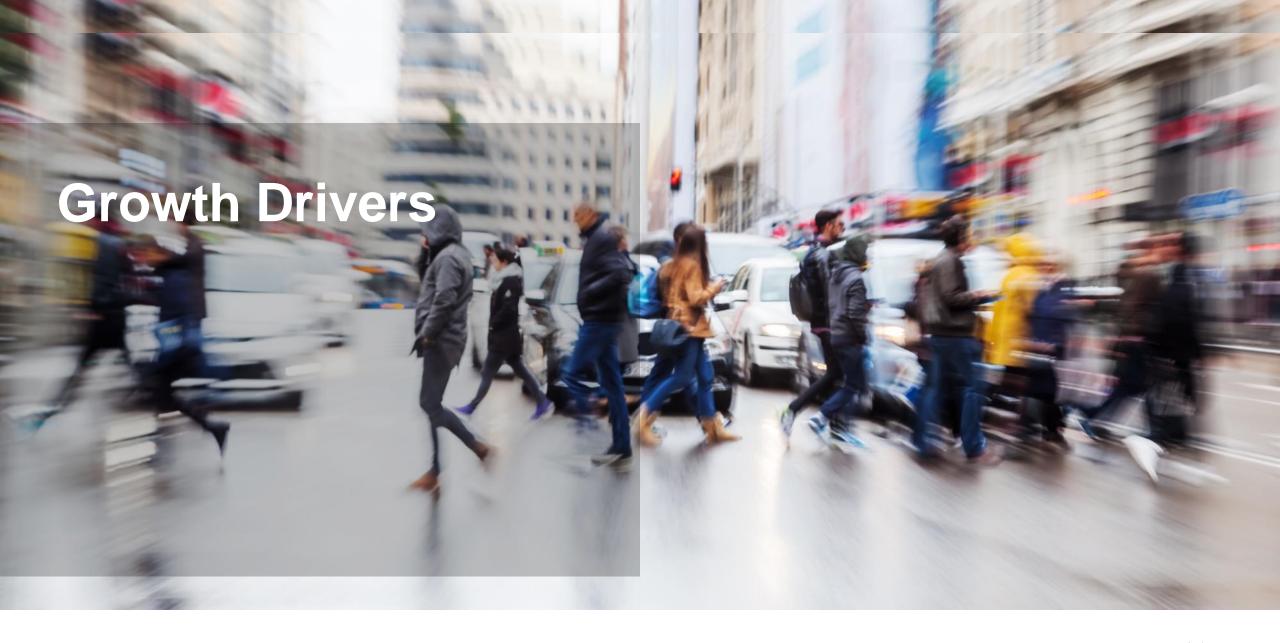


(2) Non-US GAAP measure. Operating cash flow less capex, net in relation to net income excluding anti-trust related costs and payments
 (3) Non-US GAAP measure. Leverage Ratio = Debt per the Policy LTM EBITDA; Debt per the Policy = Net Debt + Pension Liabilities



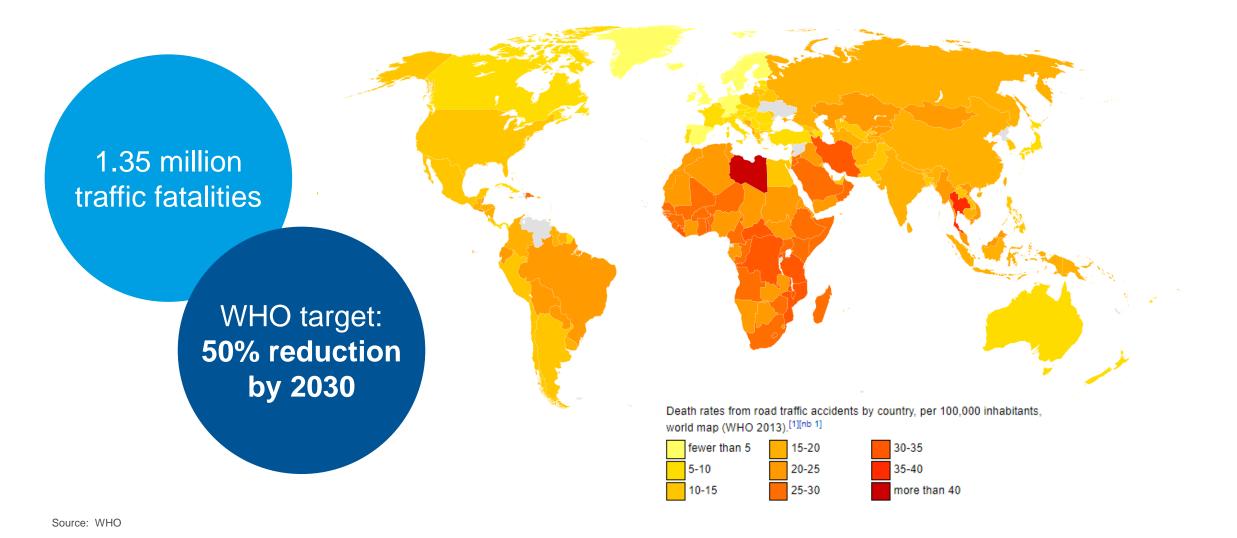
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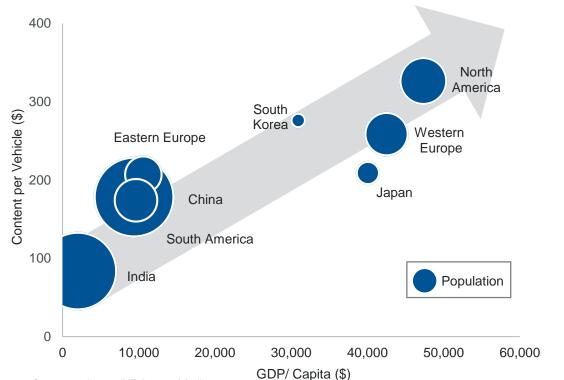


# Content per Vehicle Growth in low income countries

Passive Safety Penetration Correlates to GDP/ Capita

#### Increased standard of living leads to more spending on safety

Passive Safety Content per Vehicle<sup>(1)</sup> vs. Economic Development



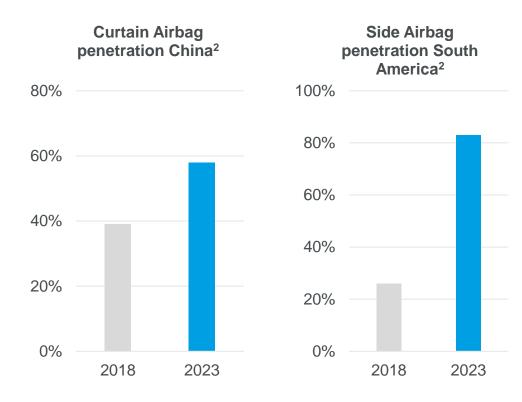
Sources: Company estimates, IMF data as of April 2017

(1) Company market estimates include seatbelts, airbags and steering wheels

(2) Company estimates

#### **Leading the Way**

#### **Examples**





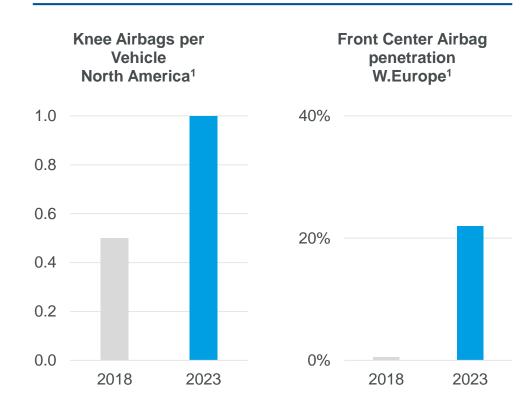
# Content per Vehicle Growth in high income countries Fueled by NCAP ratings and government regulations

#### Important trends to reduced injury and death from traffic accidents

- Consumer demand for road safety
- More stringent safety rating & regulations
  - Continuous NCAP updates
  - Regulation updates
  - Crash test updates
- New vehicle configuration in the AD world
- New opportunities in EVs
- Protection for Vulnerable Road Users
- Personalized Restraint Systems



#### **Examples**



(1) Company estimates





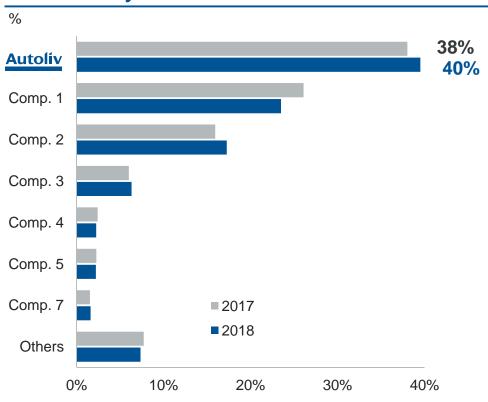




# **Strong starting point**

Clear industry leader

#### Firm Industry Leader at 40%<sup>1</sup>

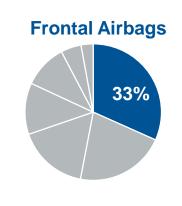


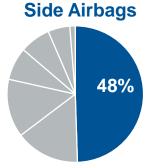
(1) Company estimates. Based on Autoliv's passive safety market definition including airbags, seatbelts and steering wheels

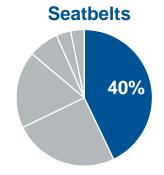
# **Leading the Way**Capital Markets Day 2019

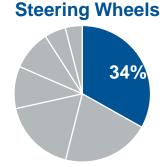
#### **#1 Rankings Across Product Portfolio**<sup>1</sup>

2018A











# Our core methods supporting our growth



# Autoliv Production System – Drives Operational Excellence



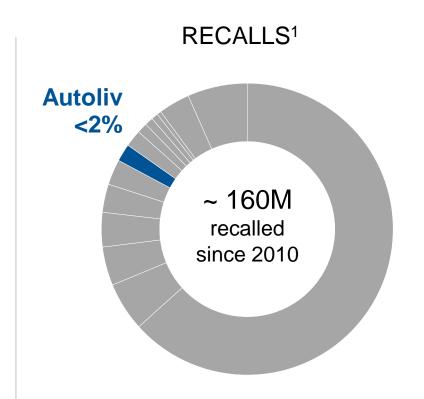
Quality – Zero defects by flawless execution

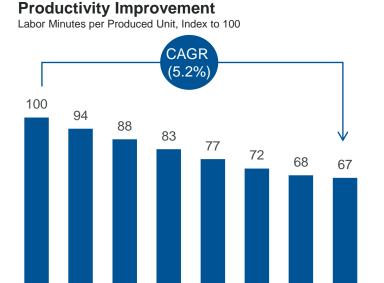


One Product One Process to improve cost effectiveness and robustness



Innovation to lead industry in Real Life Safety





2011A 2012A 2013A 2014A 2015A 2016A 2017A 2018A

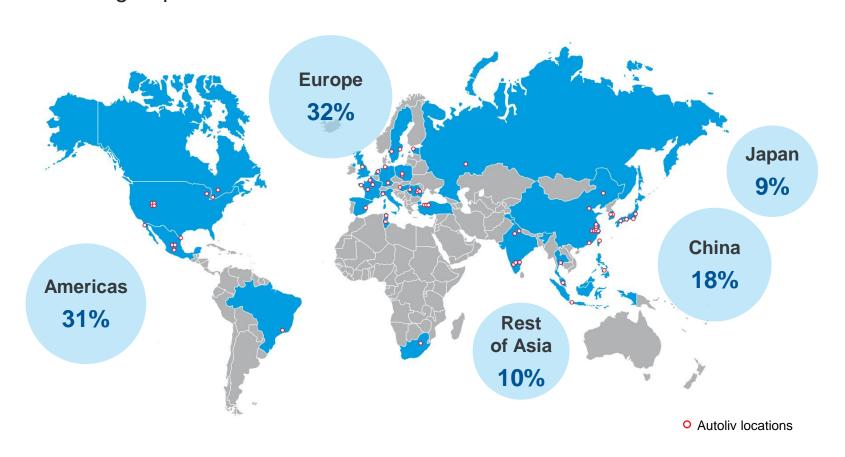


(1)Scope: Japan, Canada, US, China, South Korea, Australian, EU, UK, DE 2010 to October 2019. Includes Airbags, Steering wheels and Seatbelts.



# **Truly Global Footprint**

Allowing Autoliv to Become Supplier-of-Choice on Global Platforms Share of group sales 2018



#### **27 Countries**

Across All Key Automotive Regions

#### **64 Facilities**

In Close Proximity to OEMs

14 Tech Centers

#### 19 Crash Test Tracks

Enabling Crash Simulations Globally



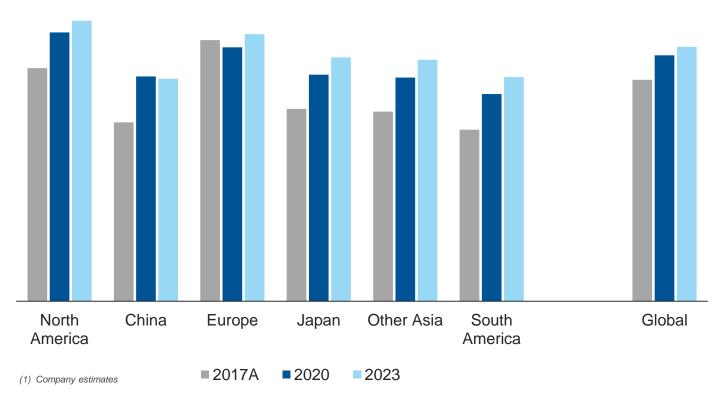


# Long-Term Customer Focus, Local Presence & Quality Pays Off

Strong & Improving Positions across the world

#### Market Share by Geography<sup>1</sup>

%







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# Innovations for growth and saving more lives







**Electrical Vehicles** 

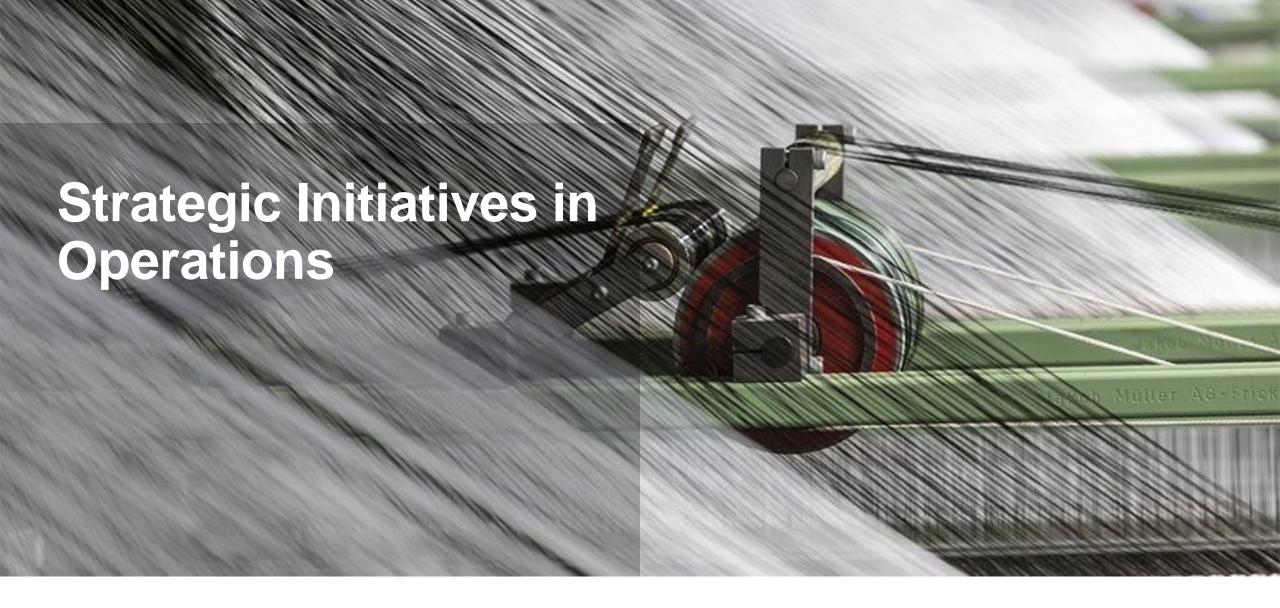


ADAS



**New Markets** 







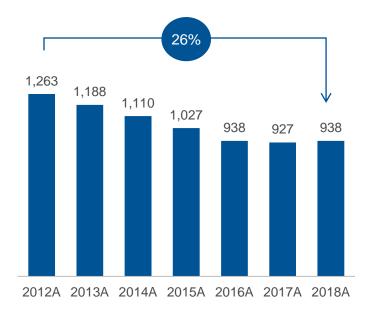
# **Optimized for efficiency**



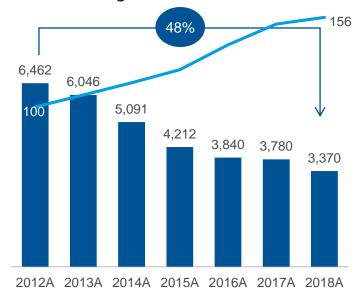
# **Direct Profitability Impact from Operational Excellence**

#### **Supplier Management Providing Direct Profitability Impact**

#### **Number of Suppliers**



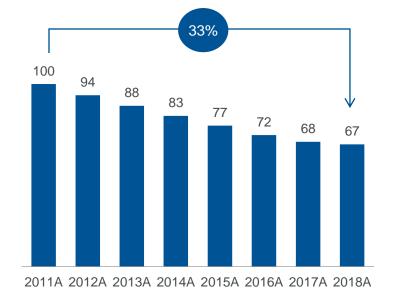
## Reduction in Non-Conforming Materials vs. Increasing Number of Deliveries



# **Best Practice Sharing Across Divisions Boosting Efficiency**

#### **Productivity Improvement**

Labor Minutes per Produced Unit, Index to 100



Number of Non-Conforming Materials — Numl

Number of Deliveries<sup>1</sup>

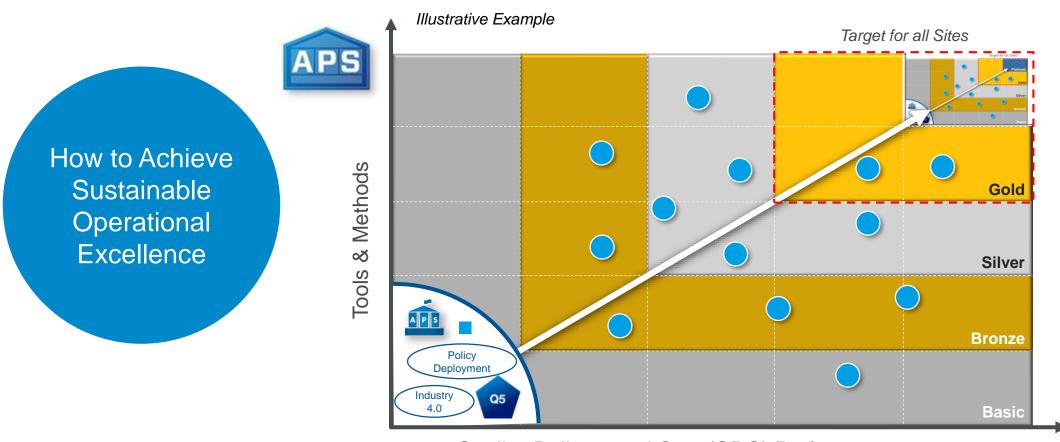
(1) Indexed to 100 in 2012A





#### We are Never Satisfied

Relentless Focus on Operational Excellence for Highest Reliability and Increasing Profitability



Quality, Delivery and Cost (QDC) Performance



# **Significant Benefits from 1P1P**

Standardization of Designs and Processes sets the foundation for our onward journey



#### **Example: Seatbelt webbing**

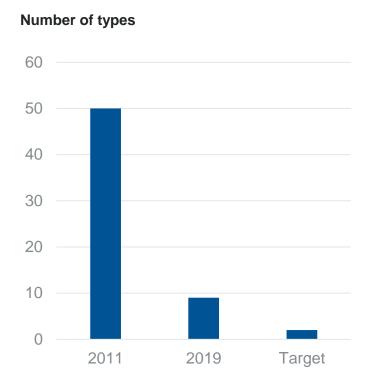




#### **Annual Capacity:**

- 620 million meters (385,250 miles)
- ~15 loops around the globe

#### **Reduction of webbing types**







# Taking Autoliv Operations to the next level



**Continuous Improvement** 



Tailormade Operational Excellence

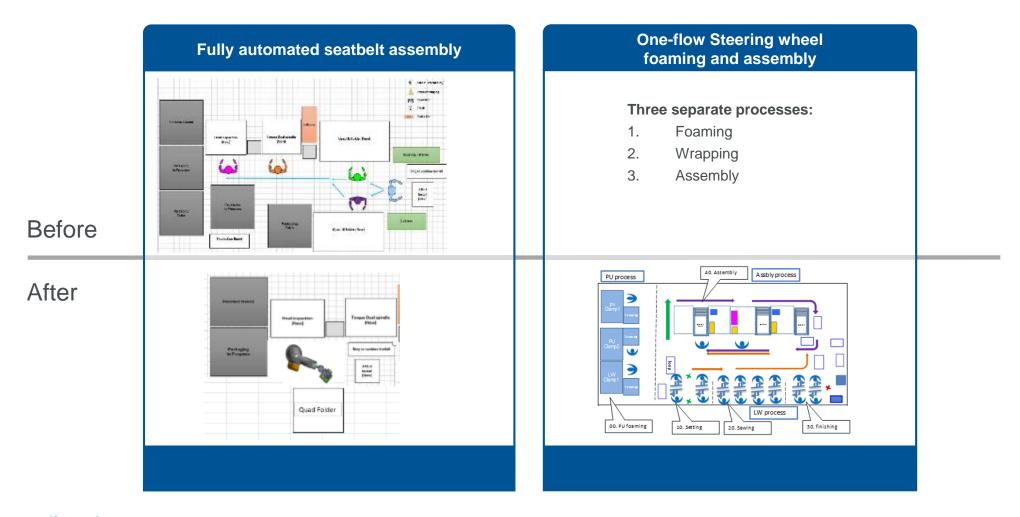


#### Accelerators

- Modularization & Design for manufacturing
- Automation
- Digitalization
- Footprint & Make vs Buy
- RD&E Effectiveness



# **Examples of accelerators implementation**





# Example of initiatives you will experience during CMD

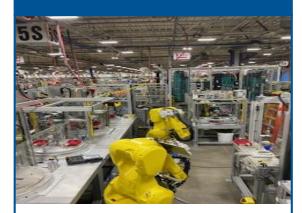
# Autoliv production system



Optimizing floor space utilization

AOA

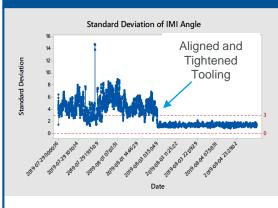
#### **Automation**



Auto Driver Airbag folding improves safety, accuracy and repeatability

AOA

#### **Factory of the future**



Auto SPC – Implementing real-time feedback and instantaneous controls

**IBC** 

#### **Factory of the future**

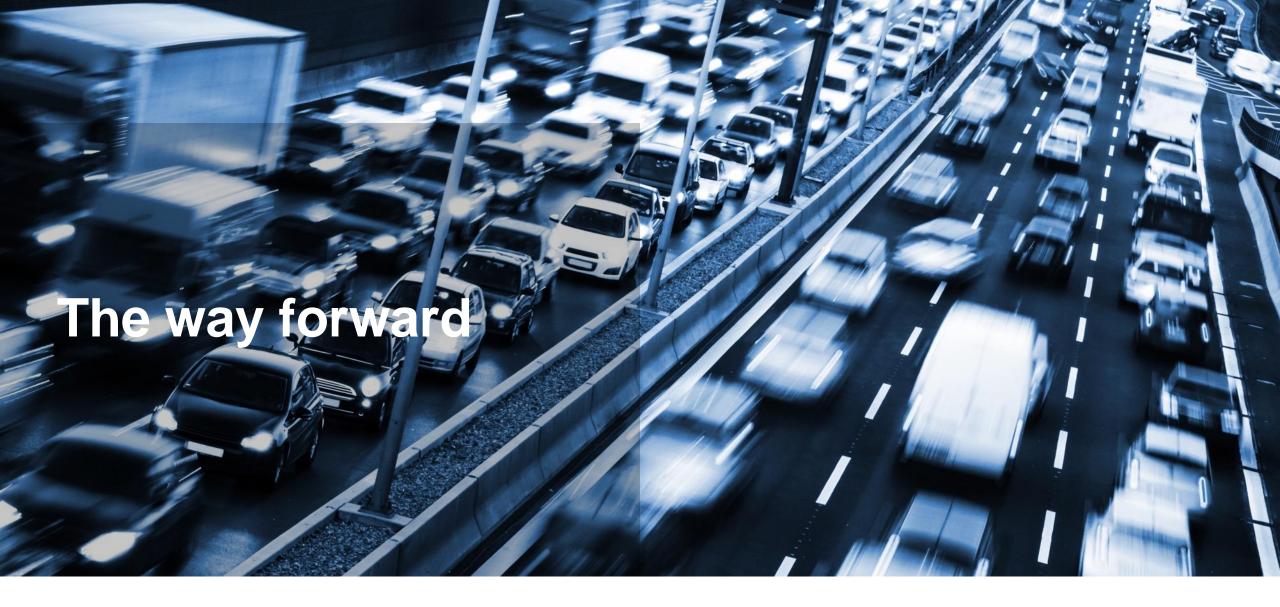


AIV (Automated Vehicle) – Smart product flow to reduce manual conveyance time

ITO









# **The Autoliv Journey**

# Medium Term Industry Transformer Safety for Mobility & Society Business 4.0 throughout the

value chain

#### 2019

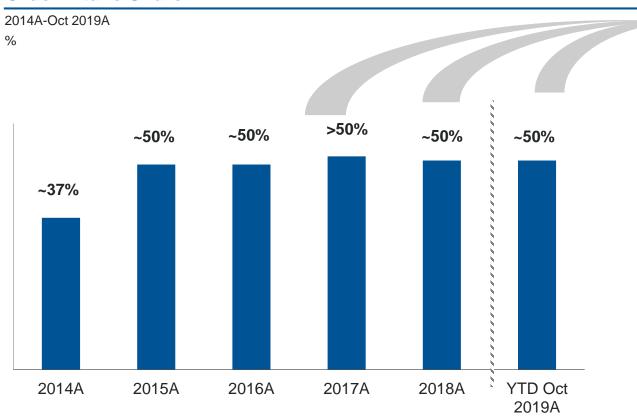
Solid Industry Leader
Light Vehicle Safety
Manufacturing
Excellence

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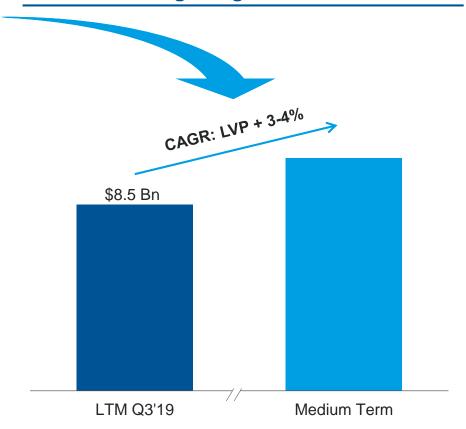
**Autoliv** 

# Continued strong order intake extends growth outperformance

#### **Order Intake Share**



#### **Medium term organic growth LVP +3-4%**





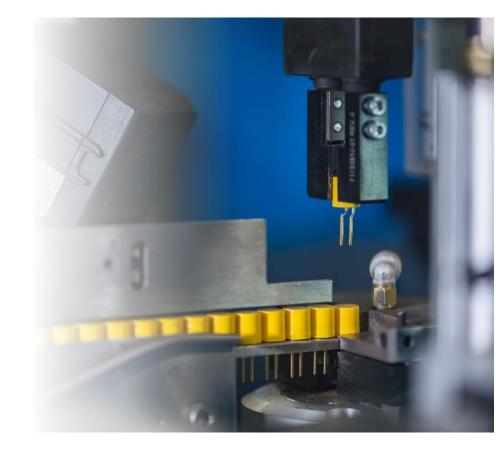


# **Strong starting point**

#### Positive trend in adjusted operating margin

#### **Adjusted Operating Margin<sup>1</sup>**





- (1) Non-US GAAP measures exclude costs for capacity alignments, antitrust related matters and separation costs
- (2) FY2019 indication from October 25, 2019





# **Strong starting point**

### Year on Year improvement

# Tailwinds 2020

- Raw materials
- Executing from strong order book
- Structural Efficiency Program
- Strategic initiatives
- Normalization of cost per launch

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LVP stabilization

# Headwinds 2020

- Lower inflator replacement sales
- D&A increase
- Investment for factory of the future

Tailwinds greater than headwinds in 2020







