

# Together Towards Autonomous Driving

**Autoliv**

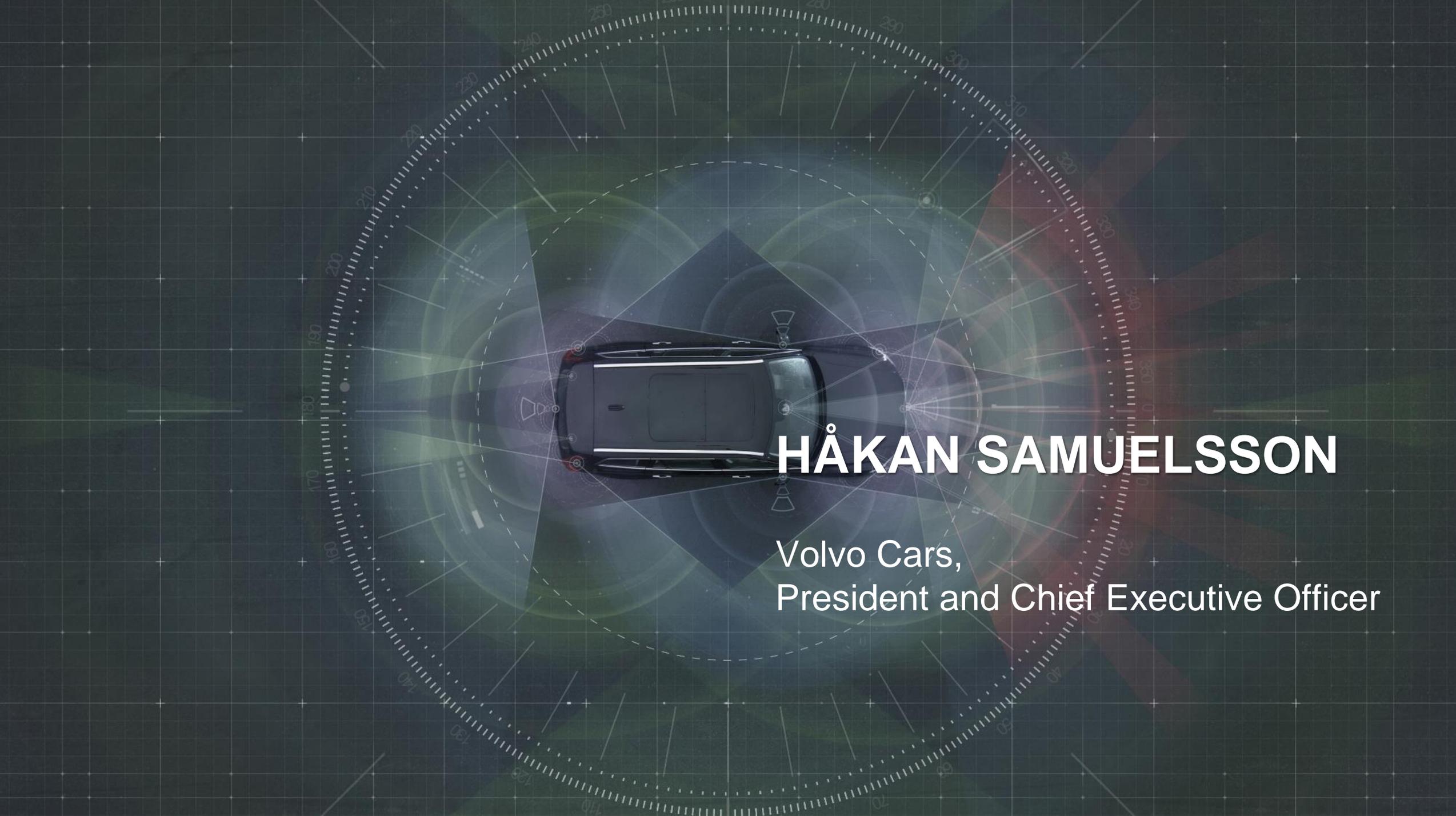


PRESS CONFERENCE

**AUTOLIV & VOLVO CARS**

September 6, 2016

15:00 CEST

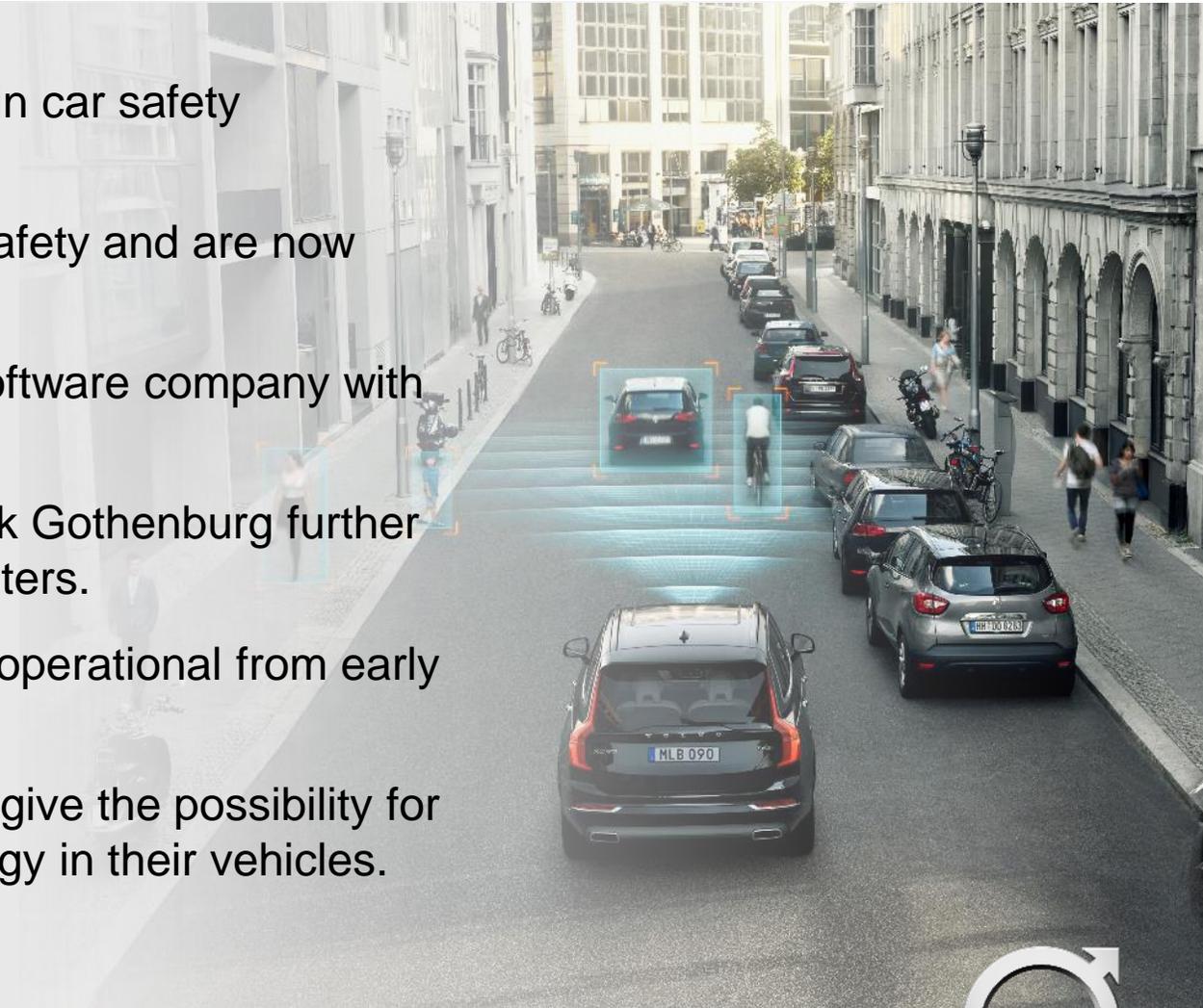


# HÅKAN SAMUELSSON

Volvo Cars,  
President and Chief Executive Officer

# New Joint Company

- Autoliv and Volvo Cars have a strong common heritage in car safety leadership.
- Both companies have today a strong position in active safety and are now joining forces to create a world leader in AD
- The first time a premium car maker creates a joint AD software company with a global tier 1 supplier.
- The company will be located in Lindholmen Science Park Gothenburg further strengthening one of Europe's automotive high-tech clusters.
- Joint development will start asap, the company formally operational from early 2017 with around 200 engineers on the payroll.
- The developed software will be offered on the market to give the possibility for car makers worldwide to include this life saving technology in their vehicles.



# Volvo's Vision

VISION

THIS JOINT VENTURE IS CRUCIAL IN REALIZING OUR VISIONS

VOLVO HAS A VISION THAT STATES THAT  
"NO ONE SHOULD BE SERIOUSLY  
INJURED OR KILLED IN A NEW VOLVO"  
BY 2020

VOLVO ALSO HAS THE VISION TO GIVE  
OUR AD CUSTOMERS ADDITIONAL  
QUALITY OF LIFE BY ELIMINATING  
WASTED TIME IN CAR COMMUTE.

The traditional OEM-supplier model will not be enough to be competitive in the development of autonomous drive technology. True partnerships with total transparency will be required.



# Advantages for Volvo

- Venture will reinforce Volvo's position as one of the world leaders in AD. This is an important part of Volvo's transformation.
- Combining the people, financial resources and know-how of Autoliv and Volvo, reinforces the capabilities creating more advanced systems quicker than otherwise.
- Volvo will have a share of the value from providing software to other OEM's.



# **JAN CARLSON**

Autoliv,  
Chairman, President & CEO

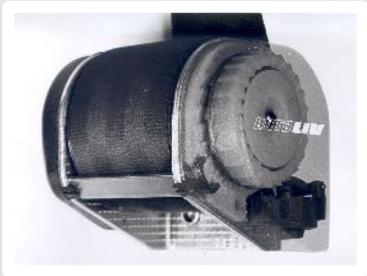
# Autoliv's vision - Saving More Lives

MECHANICAL

PYROTECHNICAL

ELECTRONICS

DIGITAL



SEAT BELTS

AIRBAGS

SAFETY  
ELECTRONICS

ACTIVE  
SAFETY

ADAS

**AUTONOMOUS  
DRIVING**



# Scope of the New Company

- A combination of solutions from Volvo Cars and the active safety product portfolio from Autoliv will be a powerful combination in the growing market for solutions for more automation and driver support in cars.
- The two companies brings competence, Intellectual Property and assets that will enable to create innovative, robust and trusted solutions for the car of the future.
- The joint venture will focus on developing algorithms and software for:
  - Supporting drivers: Advanced Driver Assistance Systems (ADAS)
  - Autonomous Driving: Highly Automated Driving systems (HAD)
- The first products for advanced driver assist and support systems are expected to be launched in 2019, with highly automated driving solutions to follow in 2021.
- The new Company plans to start operations early 2017.
- The new Company will be a company owned in equal shares by Volvo Car Group (Volvo Cars) – and Autoliv Inc.
- The new CEO, Dennis Nobelius, from Volvo Cars has been jointly selected by Autoliv and Volvo.

# Advantages for Autoliv

- A tremendous sales opportunity - Makes it possible to market and sell the new solutions to all car manufacturers globally
- Accelerates Autoliv's time to market for advanced solutions for driver support and automated driving
- Volvo Car's vehicle level knowledge, Autoliv's component level knowledge gives Autoliv a competitive advantage in the fastest growing market
- Through the combination of Autoliv Active Safety and the new Company Autoliv will be a leader in the development towards autonomous driving.



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