IAA Mobility 2021 – Schaeffler Press Conference
On Track to Sustainable Mobility

Klaus Rosenfeld, CEO Schaeffler Group
Matthias Zink, CEO Automotive Technologies
Schaeffler Group at a glance – We are an Automotive and Industrial supplier

Well-diversified Automotive and Industrial supplier with global reach and synergistic businesses

3 Divisions

- Industrial
  - 25%
- Automotive Technologies
  - 62%
- Automotive Aftermarket
  - 13%
- EUR 12.6 bn

Schaeffler Group

- Leading positions in technology and innovation
- 10 customer sectors
- Market leading offering from components and systems to services
- 75 plants and 20 R&D centers
- ~83,000 employees in more than 50 countries

4 Regions

- Europe
  - 43%
- Americas
  - 21%
- Greater China
  - 23%
- Asia Pacific
  - 13%
- EUR 12.6 bn
Our Roadmap 2025 – We pioneer motion

We pioneer motion

Today
- Where we play
- How we win
- How we create value

Tomorrow

Our Roadmap 2025 – We pioneer motion

3
Transforming Automotive Technologies – We want to be the preferred technology partner for our customers

Key aspects

- Innovation leadership in E-Mobility
- Strengthen Chassis business as the second pillar of the Automotive Technologies division
- Strengthening our automotive bearings business
- Realizing synergies with business for conventional powertrains (Engine & Transmission Systems)

We want to be the preferred technology partner for our customers
E-Mobility – Our Vision 2030 became common understanding

Conventional Powertrain
- ICE: 30%

Hybrid Electric Vehicles
- HEV: 40%

Electric Vehicles
- xEV: 30%

2030

2035

E-Mobility
E-Mobility – Promised and delivered: Order Intake and Footprint

11.4 bn EUR
Total Order Intake for E-Mobility since 2018

2.1 bn EUR
Order Intake for E-Mobility achieved in H1 2021

Official inauguration on September 17, 2021
E-Mobility – Innovation & Technology: We pioneer motion

It's just getting started
E-Mobility – Unlimited innovation potential
1 Schaeffler e-Axle – Performant, efficient and innovative

800-volt electrical system

- Passenger Cars
- Commercial Vehicles

- 180 kW Range of performance 500 kW
- 350 A Phase current (Effective value) 700 A

- 1200 V SiC semiconductor technology
- High power density up to 70 kW / litre
- Efficiency reaches above 99%

E-Motor
Transmission
Power Electronics
Thermal management

2in1 3in1 4in1
Directly Injected Slot Cooling – Innovative Cooling Concept for better e-drives

[Diagram showing components and cooling efficiency comparison]

- Waterjacket: 50%
- Spin Spray: 80%

Conventional water/oil-cooling

Water Jacket

Winding

Isolation

E-Motor  2in1  3in1  4in1
Transmission  Power Electronics  Thermal management

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Directly Injected Slot Cooling – Innovative Cooling Concept for better e-drives

- E-Motor
- Transmission
- Power Electronics
- Thermal management

- Waterjacket: 50%
- Spin Spray: 80%
- Slot Cooling: 100%

Continuous Power = Peak Power

Fixation
Sealing
Liquid
Isolation

Directly Injected Slot Cooling
BEV Thermal Management – Higher Efficiency and Performance

Integrated Coolant System

- Efficient regulation
- Volume flow control
- Extends Range of BEV

E-Motor 2in1 Transmission 3in1 Power Electronics 4in1 Thermal management

Efficient regulation
Volume flow control
Extends Range of BEV
Our Vision: Autonomous New Mobility

Chassis Mechatronic

What will move us next
Our Vision: Autonomous New Mobility

Hardly anything has changed in steering since 135 years ago...
Our Vision: Autonomous New Mobility

Hardly anything has changed in steering since 135 years ago...

It is time for a revolution, not an evolution
Our Vision: Autonomous New Mobility

Stowable Steering

> 1 billion km without a single failure

> 9,000 systems in use worldwide
Our Vision: Autonomous New Mobility

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Stowable Steering
Our Vision: Autonomous New Mobility

Stowable Steering

> 9,000 systems in use worldwide

> 1 billion km without a single failure
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And by the way:
We believe in a steering revolution, not an evolution

X-by-Wire technology is the enabler for Autonomous Driving

Red Bull Ring

Graz

Austria

~ 70 km

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Our Vision: Autonomous New Mobility
Rolling Chassis – Flexible Vehicle Topology

c: central, s: single, D: Driving, S: Steering

Our Vision: Autonomous New Mobility
Our Vision: Autonomous New Mobility: We pioneer motion

Chassis Mechatronic

Flexible Vehicle Topology

Schaeffler Chassis Control Unit

Scalable Platform

Conductive Charging System
Happy to welcome you on our booths in Hall B3 and Hall B4 and..... take a Test Drive

What will move us next

Visit us at

Schaeffler Booth Hall B3

Motorworld Booth Hall B4

Start your Driving Experience at P8
Summary – Key messages

• Transformation in full swing, positioning Schaeffler for future opportunities.

• Recent reorganization strengthens focus on innovation and growth within E-mobility and Chassis systems.

• Innovation in E-mobility, such as 3in1 electric axle systems, thermal management and 800 V power electronics for maximum power density.

• Rolling Chassis as an innovative mobility concept for urban spaces; partnering with Mobileye.

• Hydrogen technology as key to a carbon-neutral future – from electrolyzers to fuel cells.

• Order book keeps showing good momentum.