The future of mobility: „Together 2025“. 
<table>
<thead>
<tr>
<th></th>
<th>Outline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Key drivers for future mobility</td>
</tr>
<tr>
<td>2</td>
<td>Volkswagen’s strategy „Together 2025“</td>
</tr>
<tr>
<td>3</td>
<td>Current and future powertrain portfolio</td>
</tr>
<tr>
<td>4</td>
<td>Roadmap E</td>
</tr>
</tbody>
</table>
Key drivers for future mobility
2025: Volkswagen ...

... one of the largest automakers.

... #1 in e-mobility worldwide.

... sets standards in mobility services.

... role model for environment, safety and integrity.
Addressing all relevant stakeholders on our journey to become a globally leading provider of sustainable mobility
The challenge: transforming Volkswagen Group along 2+1 dimensions

**Future vehicle concepts**
- Autonomous
- Electrified
- Connected

**Advanced mobility solutions**
- Robotaxi
- Shuttle I Vans

**Today’s vehicle concepts**
- SUV/CUV trends
- Budget cars

**Sharing & Mobility On Demand**
- Shared
- Conventional drive system

TRADITIONAL

BUSINESS MODEL INNOVATION

REVOLUTIONARY
Building blocks to provide sustainable mobility solutions

Efficient conventional combustion engines & alternative powertrains

Battery

Charging infrastructure

Mobility services

Self driving system

E-mobility
The Volkswagen powertrain portfolio...

...combines successful products and sustainable Group strategy
Efficient combustion engines and alternative powertrains play a major role for the future of sustainable mobility

The future is electric and green.
Volkswagen is the sustainable bridge between today and our electric future.

- Significant improvements in consumption and emissions of gasoline engine generation
- All new gasoline engines will be equipped with a particulate filter
- Working on synthetic fuels produced from renewable energies
- The latest Euro 6 diesel engines deliver above-average performance in the new WLTP cycle
- Significantly expanding the range of CNG vehicles
Possible evolution of sustainable energy for the automotive sector

- Trend to more **diversification of energy** carriers for mobility
- Focus on more **decarbonized energy** carries. The European goal is to reach 80% of decarbonization in 2050.
Powertrain mix Volkswagen Group

2016

2025 Forecast

BEV / PHEV
CNG

Gasoline
Diesel

Gasoline
Diesel

BEV
PHEV
HEV
mHEV
CNG

20 to 25%
Strategic target

BEV = Battery Electric Vehicle
HEV = Hybrid Electric Vehicle
mHEV = mild Hybrid Electric Vehicle
PHEV = Plug-In Hybrid Electric Vehicle
CNG = Compressed Natural Gas
Most comprehensive electrification initiative in the automotive industry with

- 50 BEVs + 30 PHEVs
- 20–25% Group sales intended to be purely battery-powered
- Own e-fleet requirements over 150 GWh of battery capacity
- € 50bn procurement volume

Roadmap E

• At least one electrified version for each of the Group's 300 or so models

2017
- 3 BEVs, 8 PHEVs

2025

2030
Multi OEM Joint Venture to deploy a HPC network in Europe

- Unprecedented collaboration among automakers
- Open brand-independent network
- Deployed power levels up to 350 kW
- Network based on the Combined Charging System (CCS) international standard
- Build-up started in Q4 2017
Thank you for your attention!