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"E-Mobility – ID.3"

2nd ESG Convention of Volkswagen Group
DRIVE Volkswagen Group, Berlin, September 20, 2019

Something must be done !

We want to lead the way

The most consistent electric offensive of the automotive industry.

- > **70+** New all-electric models by 2028
- ~ **30** € billion of investment by 2023
- ~ **22** million vehicles by 2028
- 18** e-locations worldwide, of which 8 MEB
- ~ **1** € billion for battery cell production
- ~ **250** € million for charging infrastructure

1. Wave



Mission E
Cross Turismo



MEB Entry
Family



e-tron GT



ID. Buzz



ID. Vizzion



Vision E



ID.3



e-tron Sportback
concept



Taycan



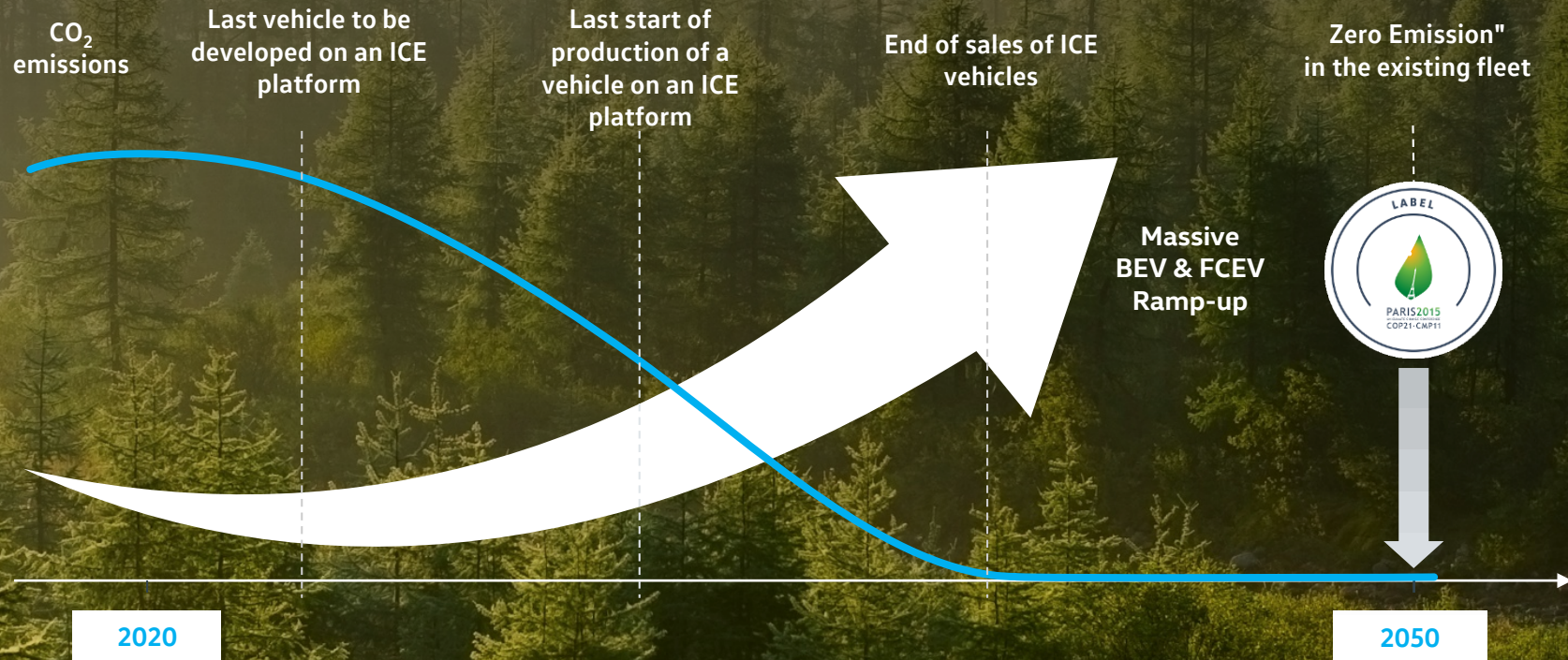
e-tron



ID. Crozz



The Change happens now!



Emission free mobility for all



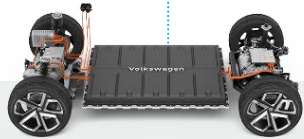
VDO-1 ePlaybook
Version 1.0

ID e-manifesto clip. About 2 minutes



Volkswagen e-Mobility | scalable, attractive, future-proof, for everyone

Scalable



Consistent development of economies of scale by making our platform strategy available to the e-world!

Attractive



Development of a completely new product family created for the age of electro mobility!

Digital



New holistic customer experience around charging, billing, trip planning, security ...

Holistic

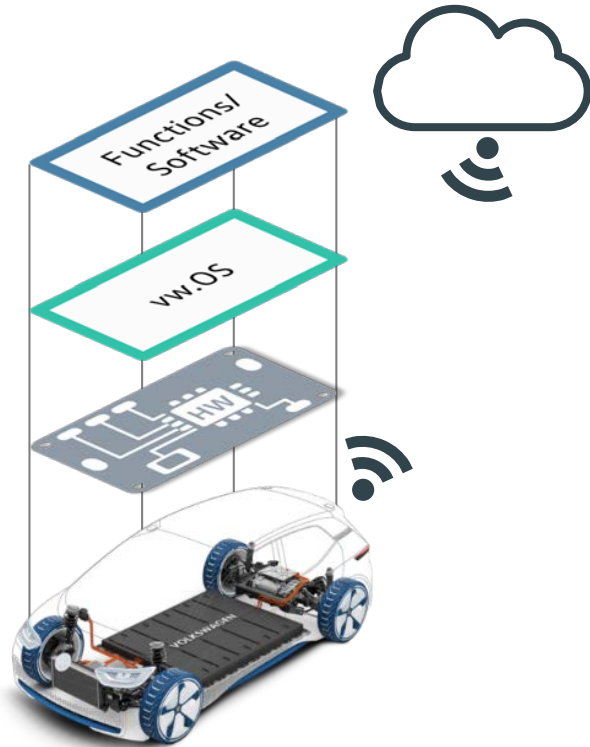


New business areas as business opportunities for manufacturers and retailers around e-mobility e.g. charging infrastructure, green electricity etc.!

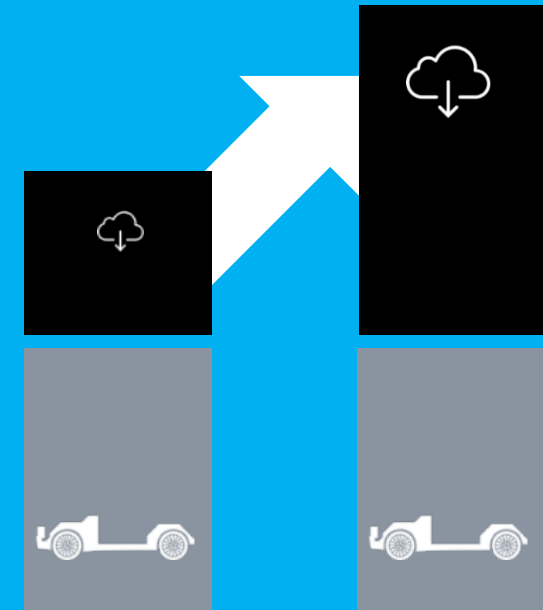


Connectivity and Software stack

Conditions for the new customer-centric business model



From a car manufacturer to a mobility service provider



Today

Tomorrow



ID.3

As compact as a Golf, as agile as an up! with the interior of a midsize car and the punch of a GTI

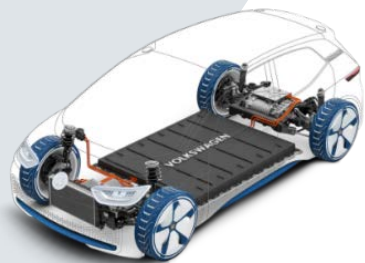


Prices from 30.000 €
minus government support in some countries

Range
330-550 km (WLTP)

Net CO2 neutral
delivered to customer

MEB technology:
founder of the ID. class



WLTP Ranges | New standard for tailor-made mobility

45 kWh*



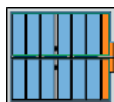
Up to 330 km

58 kWh*



Up to 420 km

77 kWh*

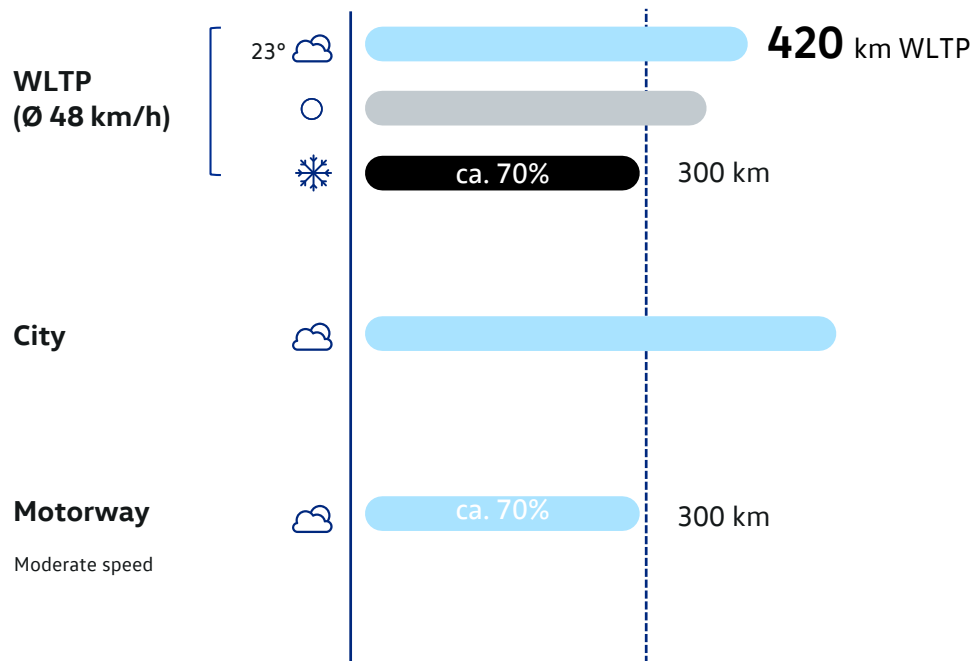


Up to 550 km



Range in comparison

Standard (WLTP) vs. Real world conditions based on 58 kWh *



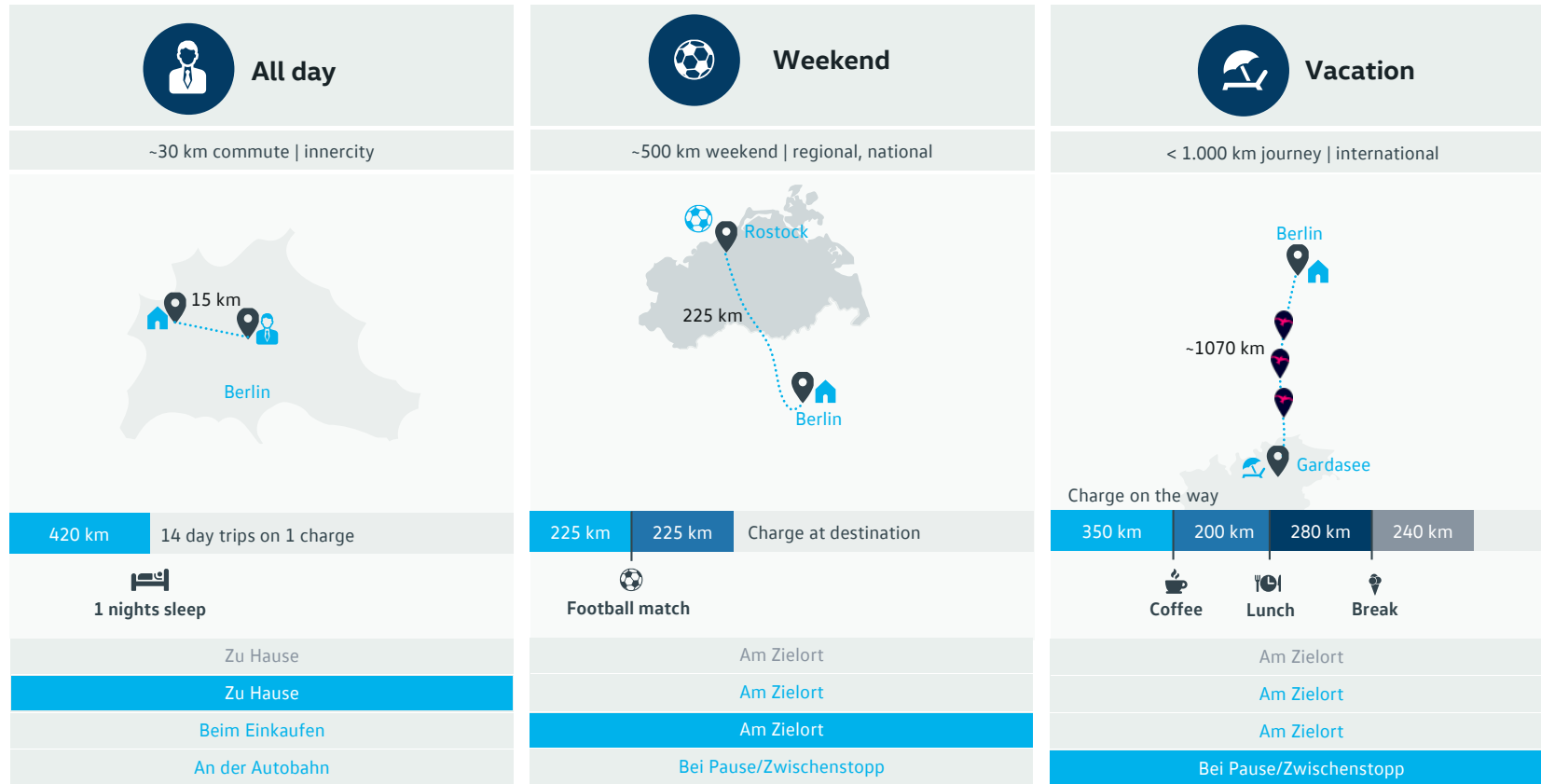
The actual range differs depending on driving style, speed, use of comfort/side consumers, outdoor temperature, number of passengers/load, and topography.

The mentioned range is expected to reach 80% of our customers on average per year. The lower limit of the range also covers journeys at moderate motorway speeds as well as journeys at low outside temperatures in winter.



Heat pump or air conditioning, fan, driving light, radio, navigation, heated seats (winter)

Electromobility : for work and play!



*Idealisierte Darstellung
– Realwerte können abweichen

2,3 kW	Zu Hause
11 kW	Zu Hause
50 kW	Beim Einkaufen
100 kW	An der Autobahn



To maximize the climate impact of MEB we are open to share it to other car manufactures as well

1 Large range



2 attractive costs



3 maximum security



4 robustness and availability



5 worldwide use



6 long lifespan



7 high performance



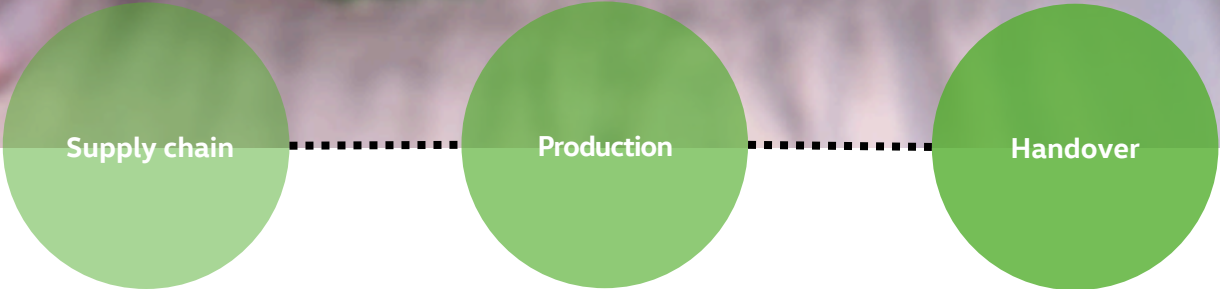
8 designed for fast charging



Beyond ID



Beyond ID: The ID.3 is delivered CO2 neutral and impacts the CO2 emissions of the automotive supply chain



Supply chain

Production

Handover

0 CO₂

100 % green energy in battery cell production

100 % renewable green energy in the Zwickau factory

The ID.3 is delivered with 0 CO₂ caused to the customer



Beyond ID: We deliver CO2 neutral and motivate to use green energy



CO2 neutral on lifetime with "Volkswagen Naturstrom" (via Elli or partners all over EU)



Supports swift to green energy overall since "Volkswagen Naturstrom" offers services for household use also

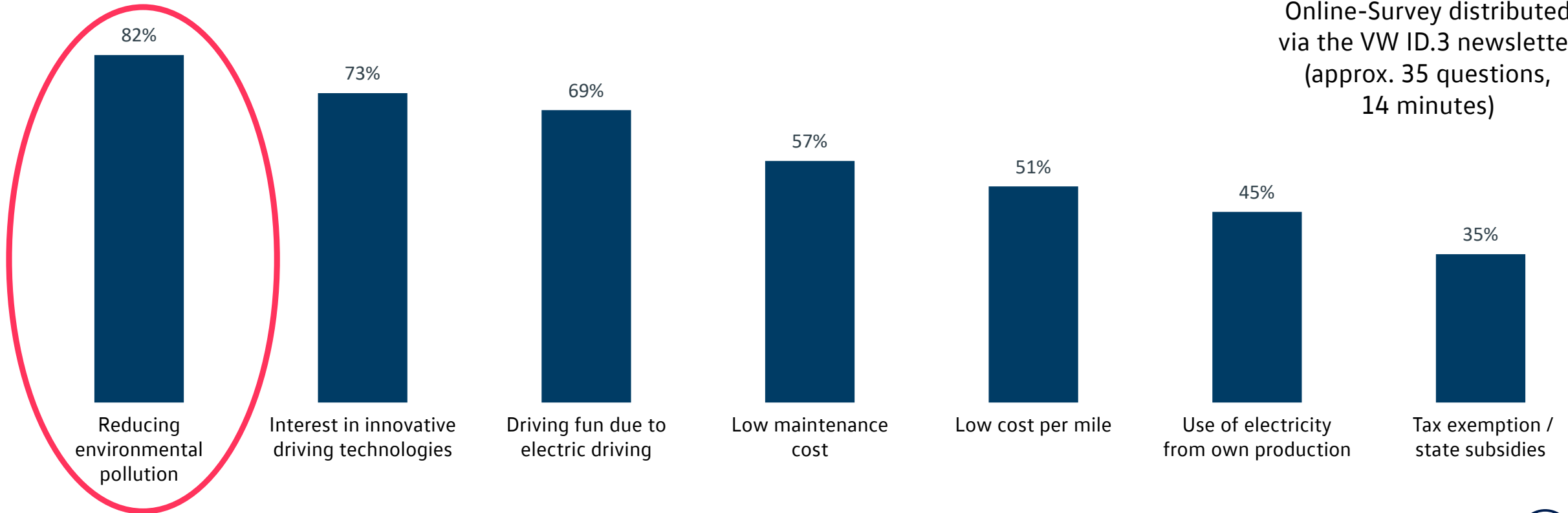


Selection of charging stations powered by green energy via Volkswagen charging app



Beyond ID: Environmental protection, an innovative technology and fun-to-drive are the main motivational factors to drive electric among pre-bookers

» Interested in electric vehicles because...



N = 745
Pre-Bookers of the VW ID.3
Online-Survey distributed
via the VW ID.3 newsletter
(approx. 35 questions,
14 minutes)



Freedom to move. For a better life. Volkswagen.

“We enable individual mobility for all and preserve
the environment for our children.”

– Jürgen Stackmann



NOW YOU CAN !

