

blue-e-motion



Volkswagen och elbilar

Almedalen 6 juli 2011

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Volkswagen har utvecklat elbilar sedan många år

1973 VW Electric Transporter



- BEV
- Power 33 kW

1993 VW Golf CitySTROMer



- BEV
- Power 22 kW

1991 Concept Car VW Chico



- Hybrid
- Power 25 kW + 7 kW

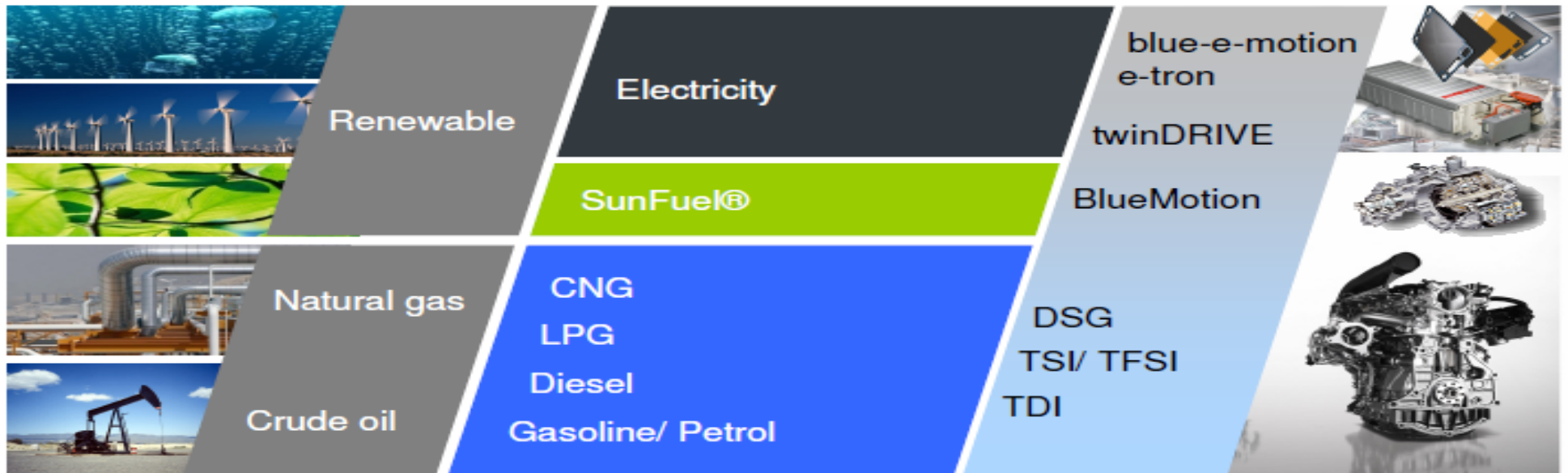
2007 Concept Car VW Space Up! blue



- Fuel Cell Drive
- Power 45 kW

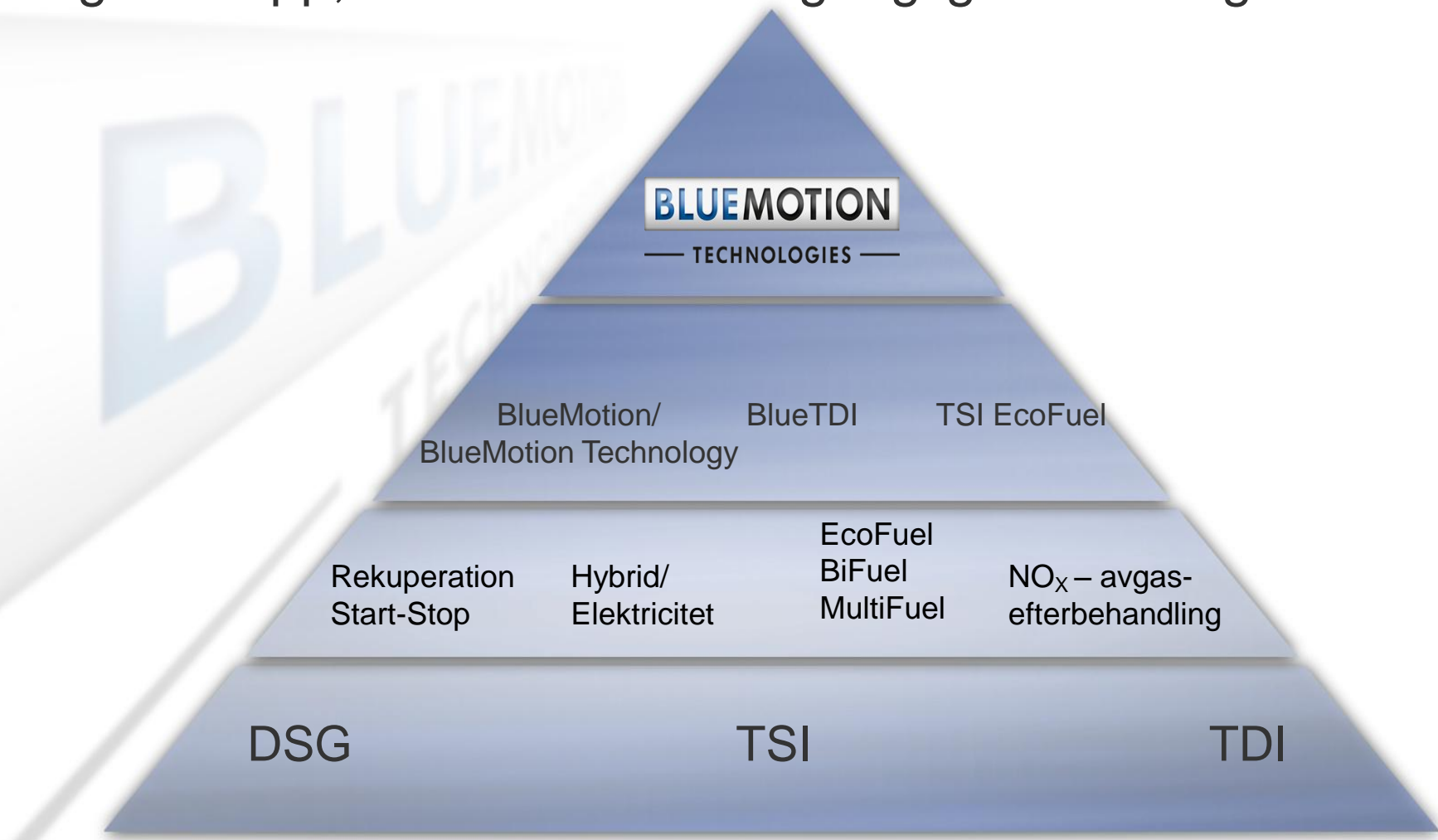


Volkswagen powertrain and fuel strategy



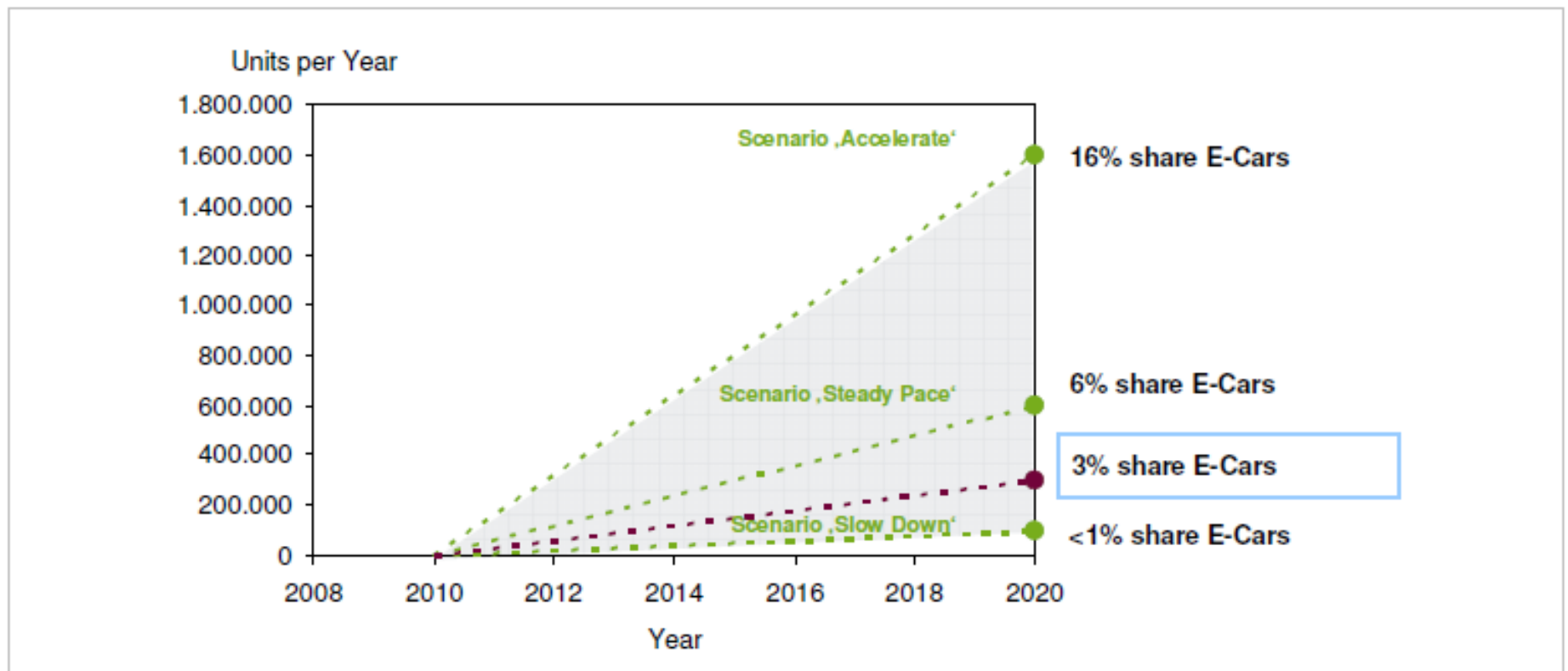
BlueMotionTechnologies:

Låga utsläpp, ekonomisk och tillgänglig redan idag



Förväntad årlig försäljning av elbilar 2020 totalt för Volkswagen Group

(Incl. Plug-In and Range Extender Vehicles)

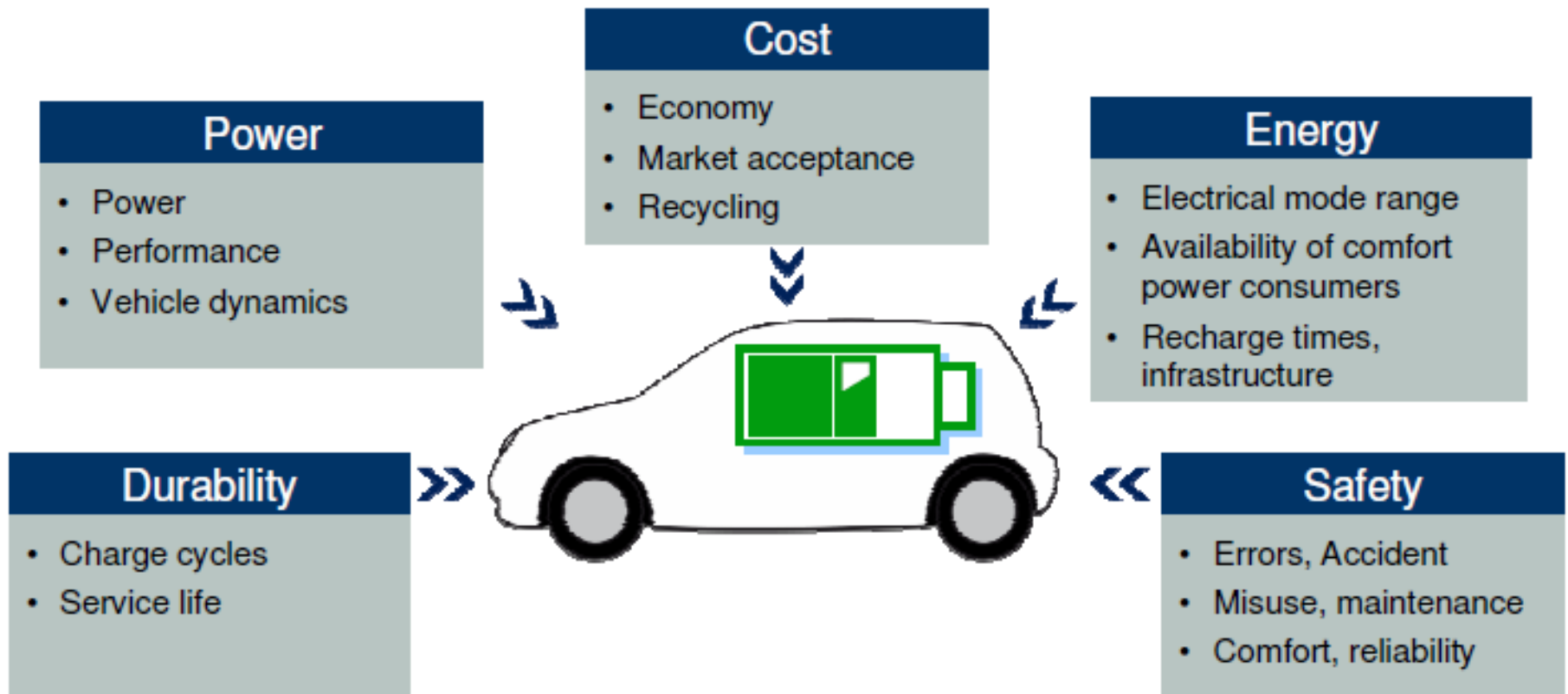


Steg för steg mot elektrifiering

Internal combustion engine	Hybrid elements	Full hybrid	Plug-in hybrid	Electric vehicle
<ul style="list-style-type: none"> • 1.2-l 77-kW TSI 	<ul style="list-style-type: none"> • Start/stop system • Regenerative braking  	<ul style="list-style-type: none"> • Touareg Hybrid 	<ul style="list-style-type: none"> • Golf twinDRIVE 	<ul style="list-style-type: none"> • Up! blue-e-motion 



Krav för att möjliggöra daglig användning av elbilar



Standardisering av laddning är en utmaning

- Core elements of charging components are not distinguishing features and should therefore be standardised as far as possible.
- An appropriate long-term charging strategy makes reliable and cost-effective electric vehicles possible for a broad base of customers.



Successful business models are needed to establish DC charging stations in Germany and Europe.

A joint effort by OEMs, utility companies and potential charging station operators is necessary.

Standardisation of charging components is desirable to attain cost, flexibility and convenience objectives for the customer (including charger and charge connector)



Concept Golf blue-e-motion

Vehicle data

Vehicle weight	1545 kg*
* only 205 kg heavier than a Golf BlueMotion TDI with DSG	
Dimensions L/ W/ H	4199/ 1786/ 1480 mm
Gearbox	EQ 210
Luggage compartment volume	237 l**
**reduced by 38 l compared to 4MOTION (275 l)	
Top speed	135 km/h
Acceleration (0-100 km/h)	11,8 s
Electric cruising range	up to 150 kilometers***
***depends on auxiliary consumers (air con/ heater) and driving style	

Drivetrain

Electric motor	85 kW / 115 PS
Battery	26,5 kWh (Li-Ion)
Voltage	324 V
Torque	270 Nm



Plan för Golf Blue-e-motion

- Testflottor 2011
- 400 bilar för europeiska storstäder
- Prototyper – ej försäljning utan uthyrning
- 60 bilar möjliga att hyra från Tyskland för kortare perioder
- Börjar säljas på marknaden år 2014



Tack för er uppmärksamhet!

