

eMobility in Düsseldorf, Center of the 2nd largest Metropolitan Region in the EU

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Agenda

1 Renewable energies in the mobility sector

2 Current market trends

3 Different customer needs

4 Charging infrastructure 2.0

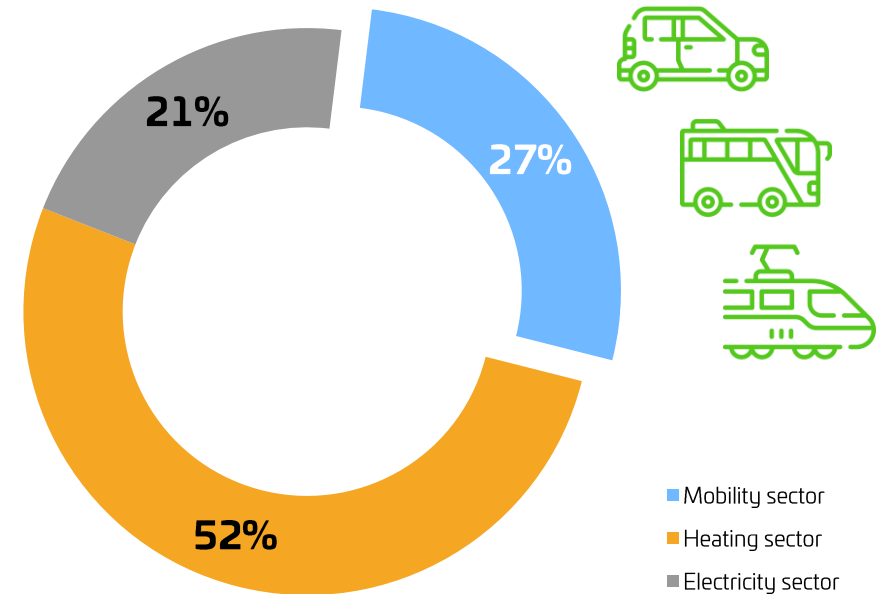


Fossil fuels still dominate

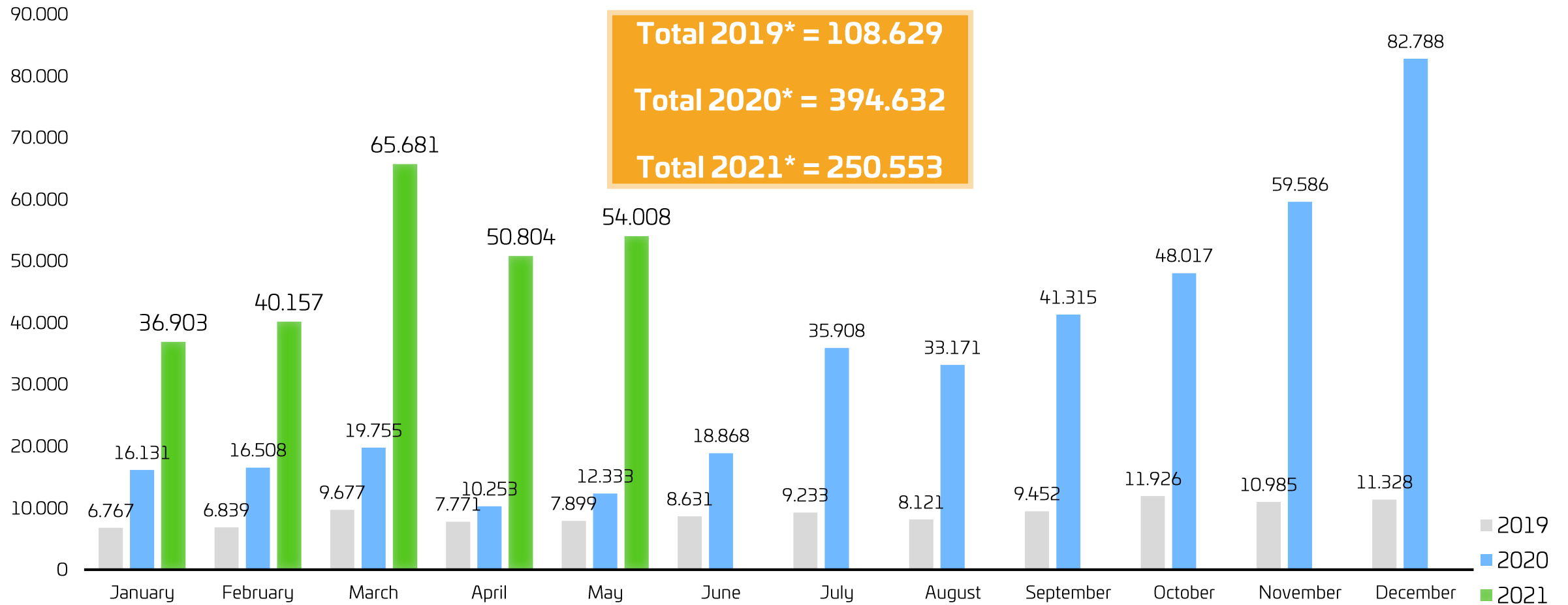
Mobility sector

- So far the process of decarbonisation is slowest within the mobility sector
- The share of renewable energy sources is below 10%

Segmentation of energy consumption in Germany (2,500 TWh / year)



Trends and developments in electric vehicle markets



*Source: KBA, statistic data of new BEV (Battery Electric Vehicle) und PEV (Plug-in Hybrid Electric Vehicle)

The three pillars of charging infrastructure



*AC = Alternating Current, normal charging / **DC = Direct Current, fast charging

Stadtwerke Düsseldorf charging points (total)



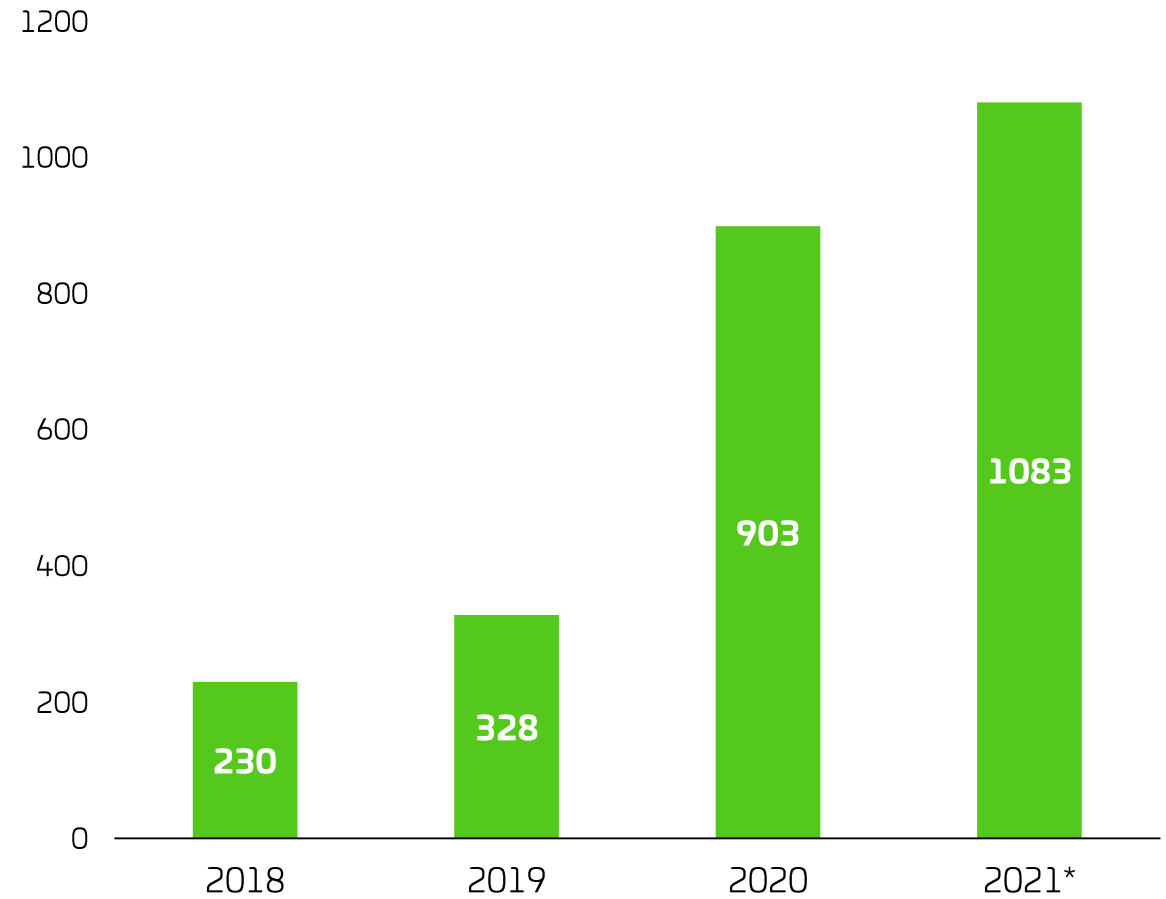
Public charging



Charging @ work



Charging @ home



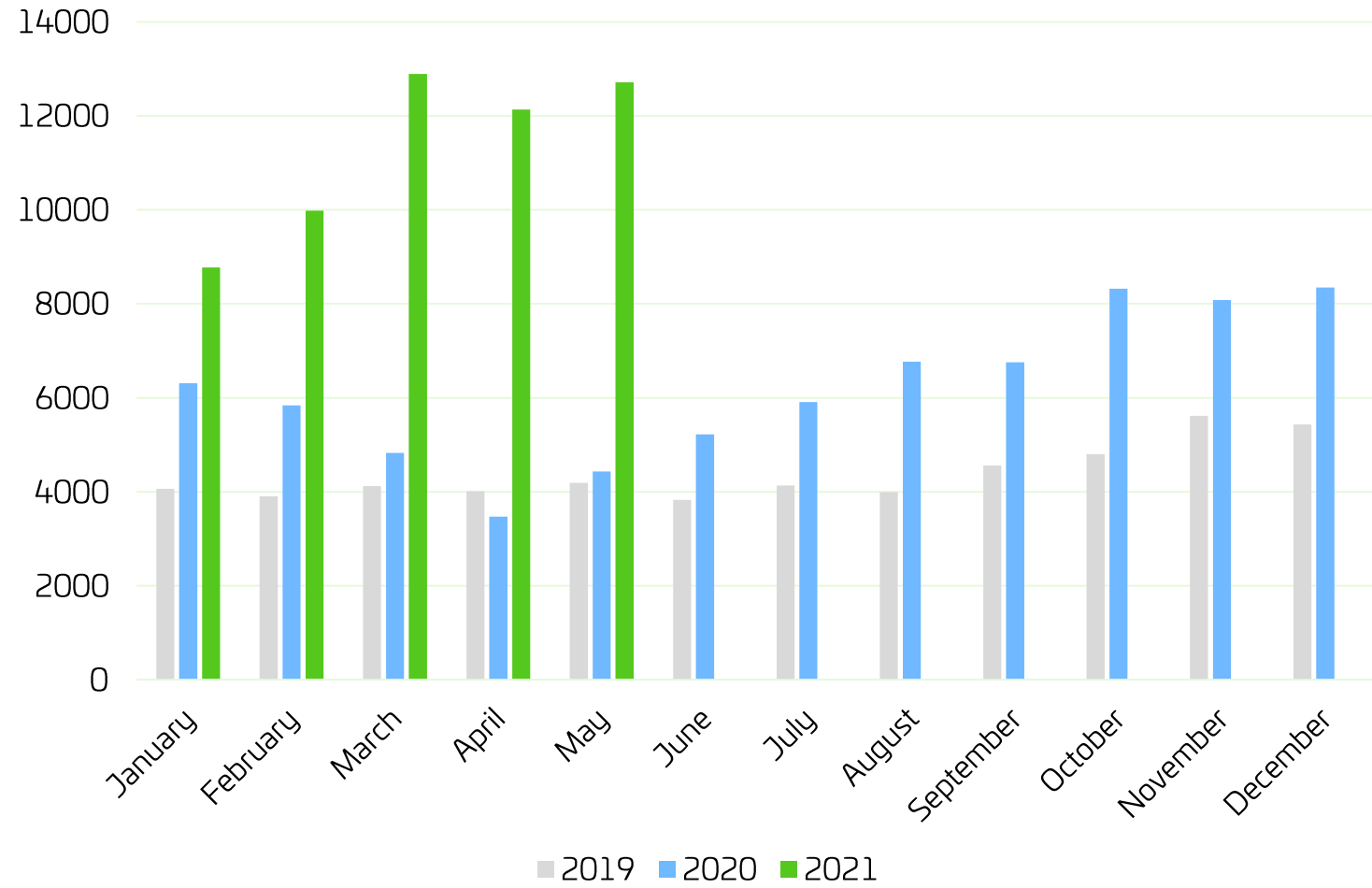
*current value from June 2021

Public charging in Düsseldorf

- More than **2.000** active charging cards
- Access to more than **10.000** charging stations in Germany via ladenetz.de




Charging operations 2019-2021




Overview of customized solutions


Solutions for companies

 Work and charge


Parking garages and parking lots

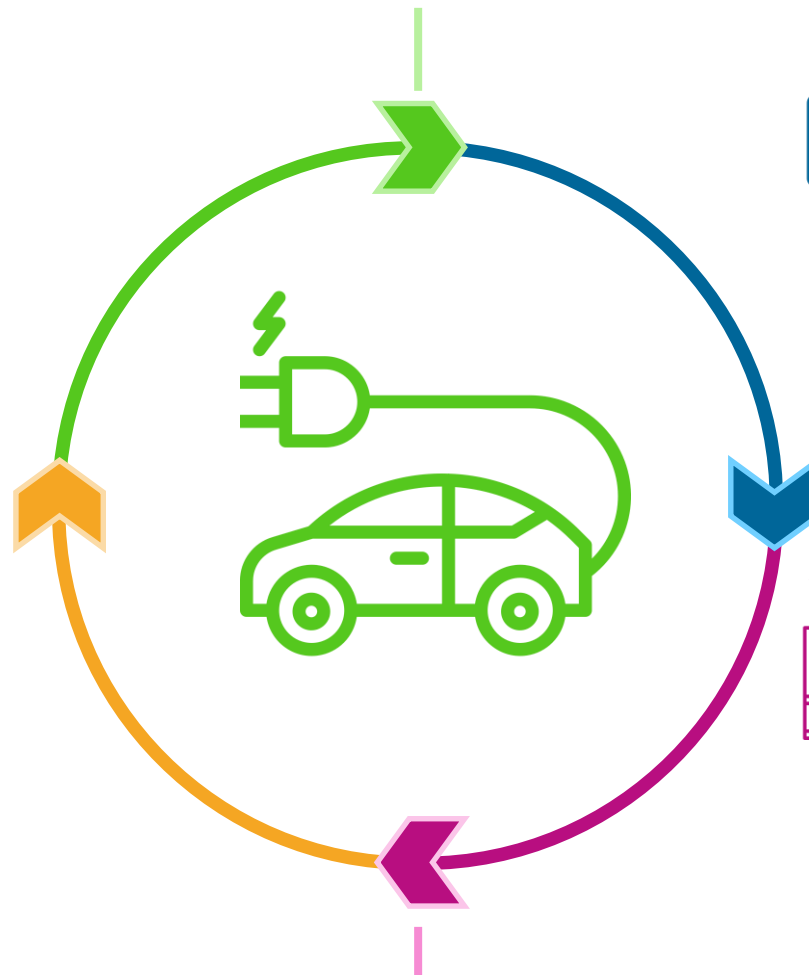
 Park and charge

Private houses

 Live and charge

Apartment buildings

 Live and charge



Elements of full service packages



Planning



Administration & Support



Implementation



Financing



Operational management



Charging with green power

Public Charging (AC)

Charging stations of Stadtwerke Düsseldorf as well as co-operation solutions



Co-operation partners:

- Düsseldorf Airport DUS
- GALERIA KARSTADT KAUFHOF
- Landeshauptstadt Düsseldorf
- TOTAL
- L'ORÉAL
- ISS DOME
- vodafone
- HYATT REGENCY
- MITSUBISHI ELECTRIC HALLE
- IKB Deutsche Industriebank
- Landtag NRW
- Messe Düsseldorf
- Henkel
- SCHADOW ARKADEN
- MERKUR SPIEL-ARENA
- Ihr Bäcker Schüren

Legend:

-  1 Charging station
-  2-3 Charging stations
-  4 and more charging stations



Charging infrastructure 2.0

Fast charging stations, fast charging parks, commercial charging parks



ABB - Charging station



Alpitronic - Charging station



Efacec - Charging station
CleverShuttle charging park



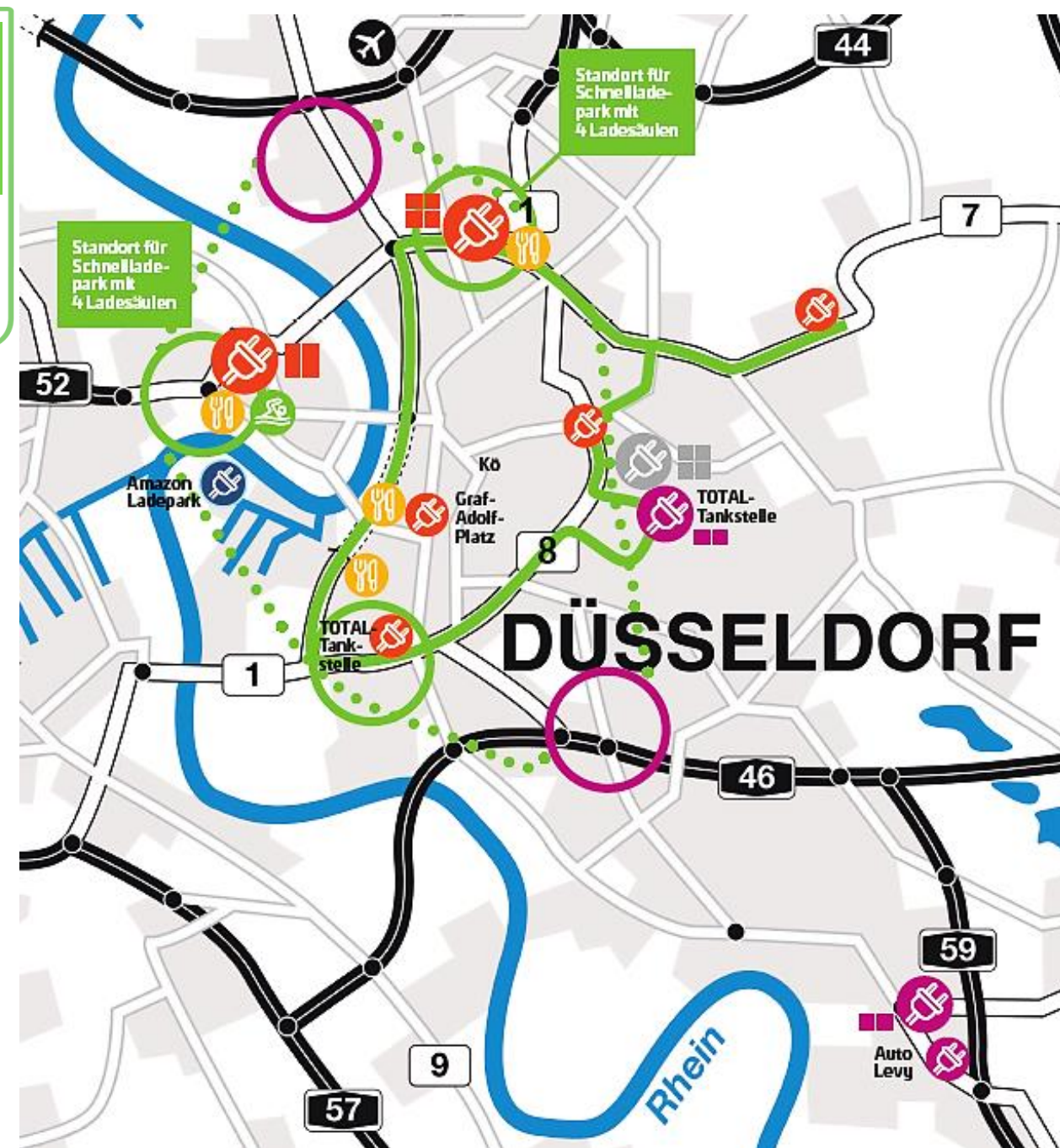
Commercial charging park 24/7



Public fast charging
Inner circle



Public fast charging
Outer circle



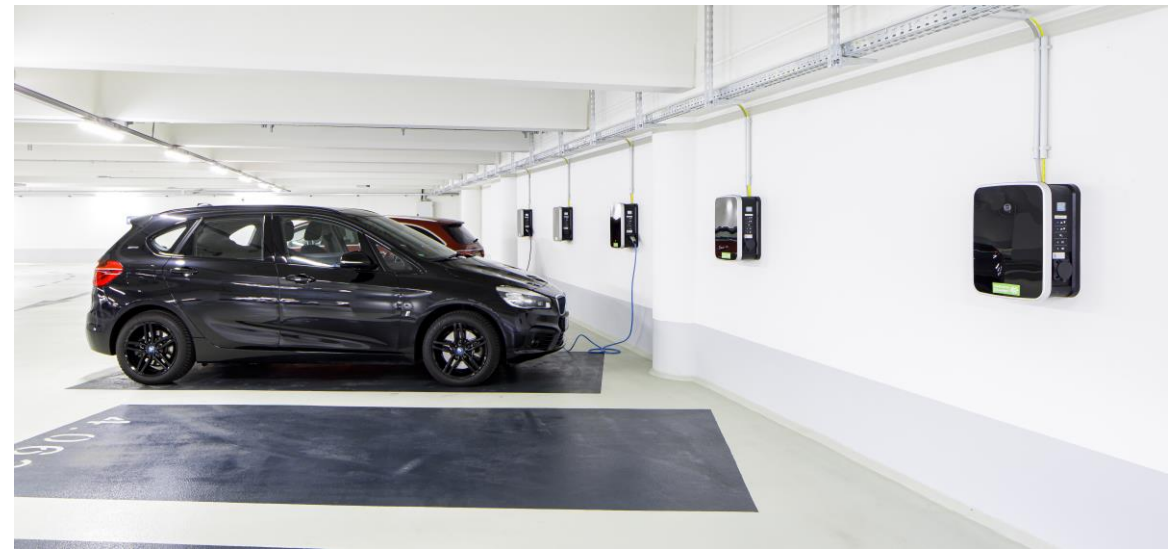
Press release [ZfK](#), March 19th, 2021

Co-operation between Stadtwerke Düsseldorf and Amazon regarding a commercial charging park



Press release energate, April 27th, 2021

Stadtwerke Düsseldorf has contracts for more than 1000 charging points (public and private)



Corporate mobility management Stadtwerke Düsseldorf

Status quo Q121

Vehicle fleet consists of 434 vehicles

242 2

172

11

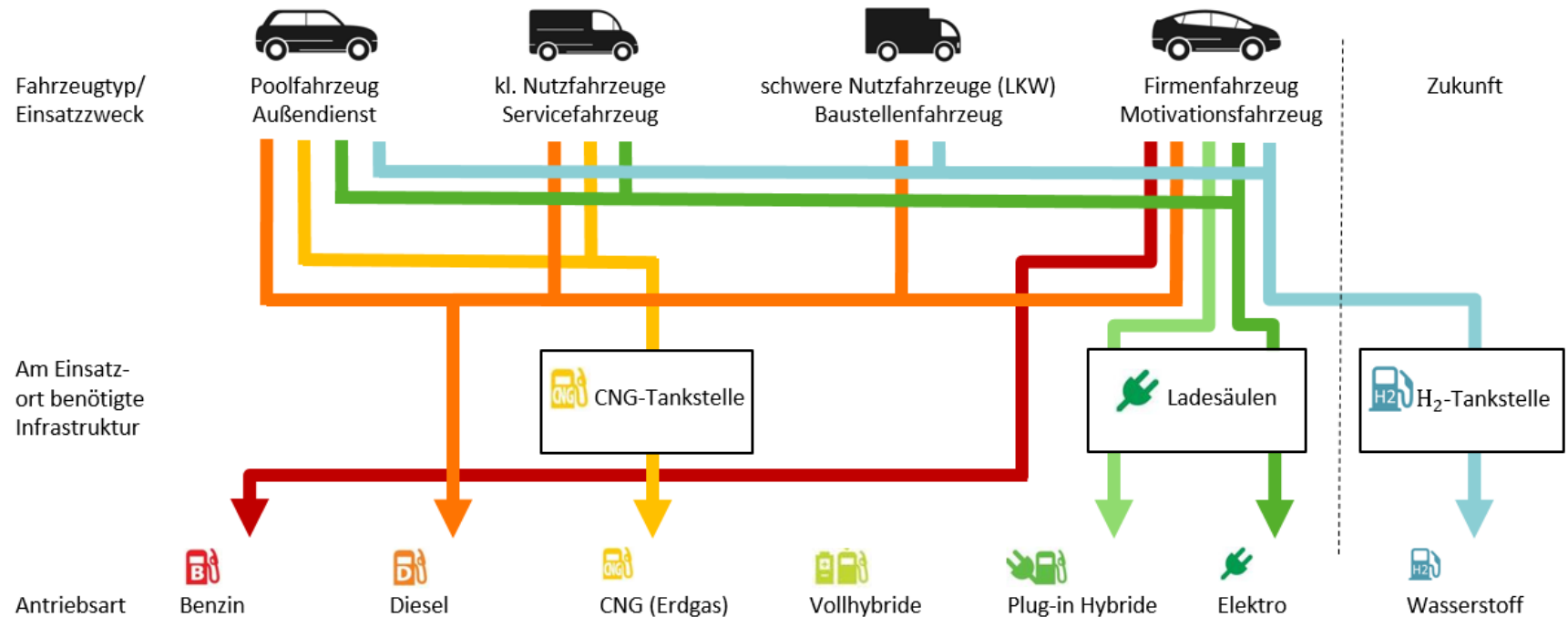
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Energy source

268 81 64 19 2

Approx. 20 % of the fleet already drive with green electricity or hydrogen

Vision/Goals



Co-operation with local car dealers

Experten teilen ihre Erfahrung mit Ihnen.
Antworten auf Ihre Fragen rund um die E-Mobilität.

- Staatliche Förderung
- Maximale Reichweite
- Kompatible Kabelanschlusstypen
- Rekuperation
- Wallbox
- Ladestationen
- Ökostrom
- Kostenlose Parkplätze

Mercedes-Benz EQ verbindet ganzheitlich Produkte, Dienstleistungen, Technologien und Innovationen. Deshalb haben Sie bestimmt viele Fragen über Alltags-tauglichkeit, Infrastruktur usw. Weil auch unsere EQ-Experten sehr viel, aber auch nicht alles wissen, haben wir Energieprofis der Stadtwerke Düsseldorf zu unserem EQ-Event eingeladen. Zusammen haben wir mit Sicherheit die richtigen Antworten auf all Ihre Fragen. Freuen Sie sich auf ein elektrisierendes Erlebnis.

+++ 30.10.2020 von 10 bis 18 Uhr und 31.10.2020 von 10 bis 15 Uhr +++

Stadtwerke Düsseldorf 



**Thank you for your
attention!**

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