

Charging Infrastructure in Germany: Status Quo, Strategy and Outlook

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National Centre for Charging Infrastructure

National Centre for Charging Infrastructure

Who we are



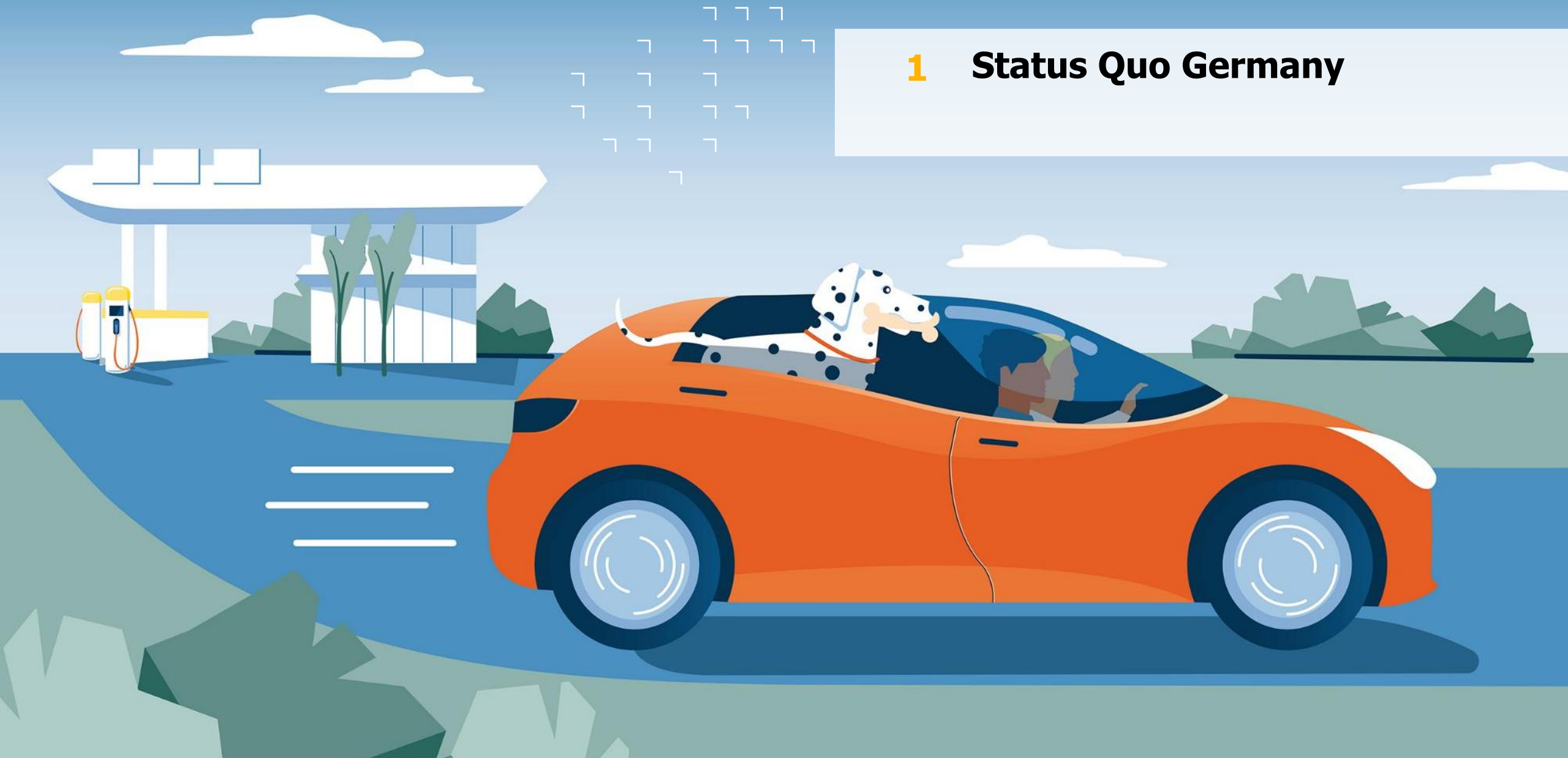
Commissioned by:



Federal Ministry
of Transport

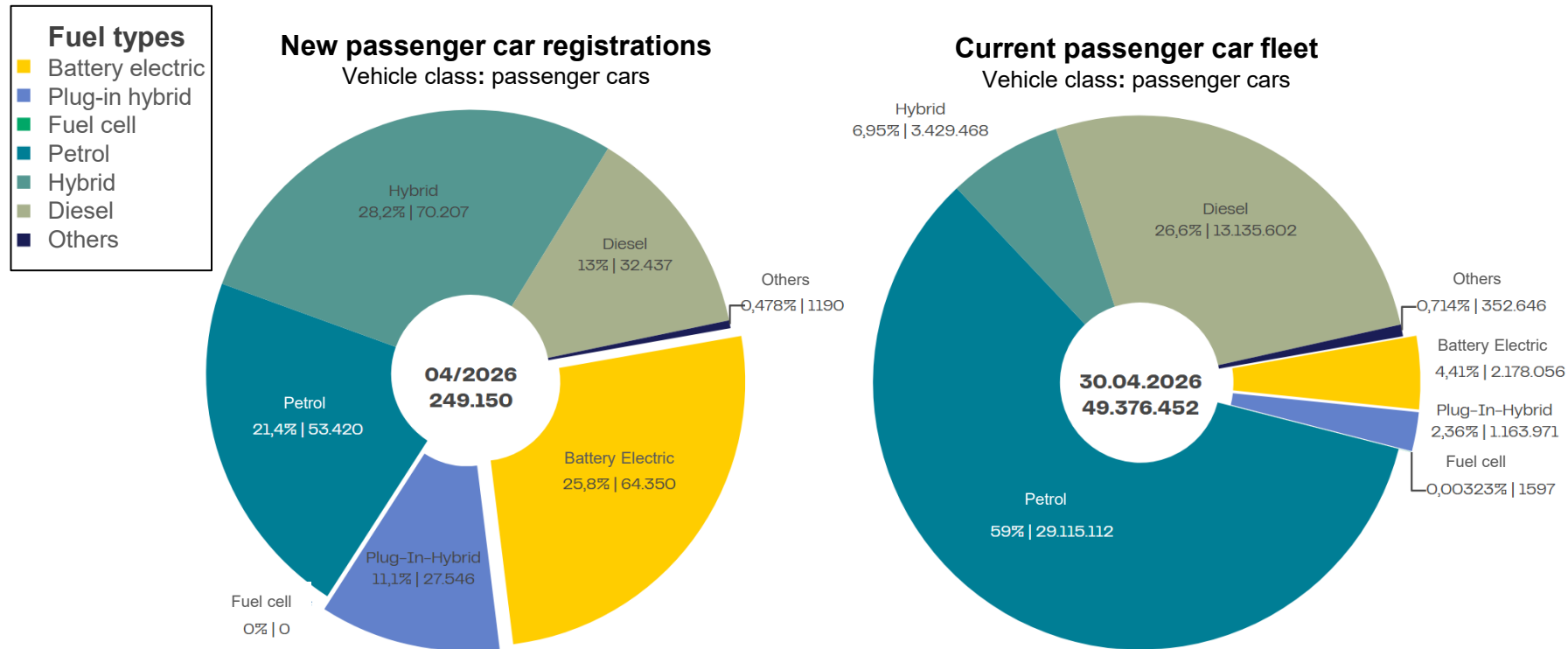
*“On behalf of the German Federal Ministry of Transport (BMV), the **National Centre for Charging Infrastructure** – under the umbrella of the federally owned NOW GmbH – **coordinates and manages activities to expand the charging infrastructure in Germany.**”*

1 Status Quo Germany



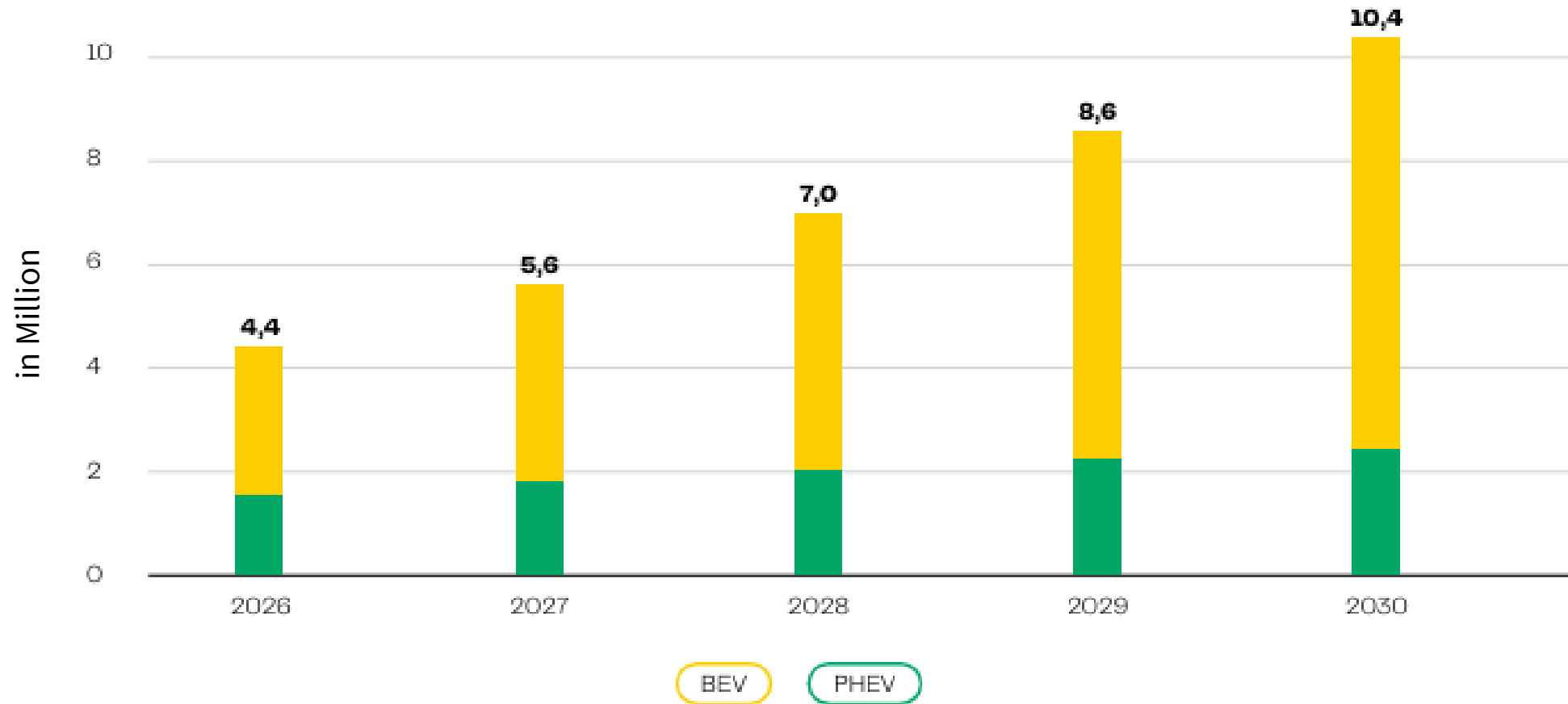
Dynamic market ramp-up of electromobility:

Passenger cars



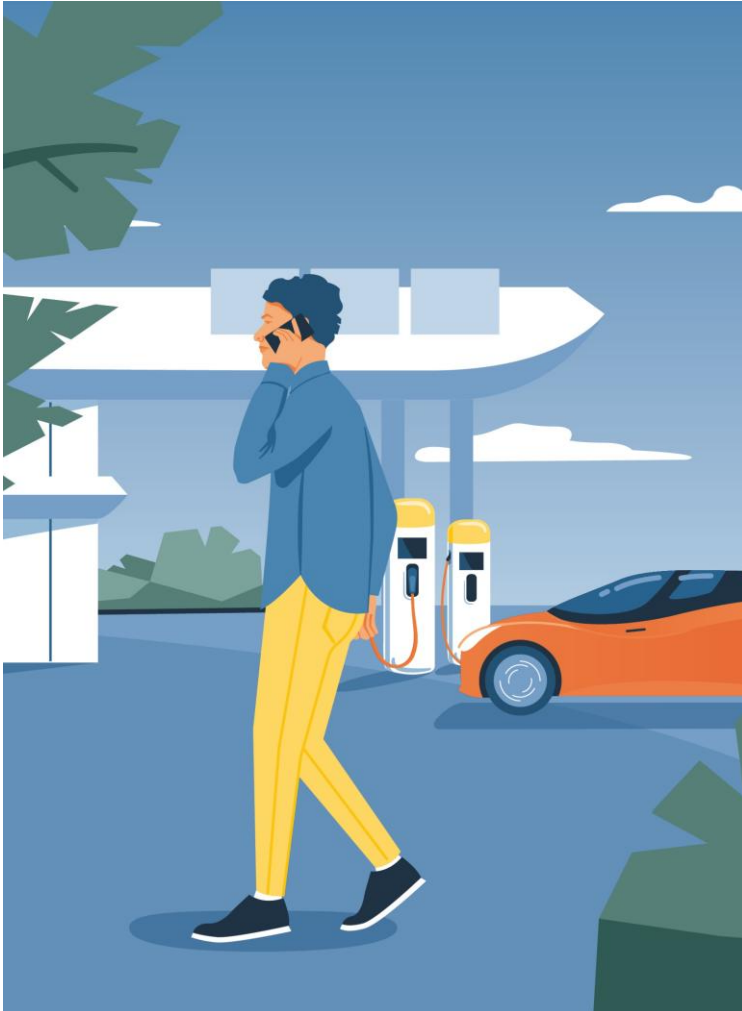
Sources: [ElektromobilitätSMONITOR](#) (data: [Kraftfahrtbundesamt](#)). Retrieved on: 12 May 2026

Forecast stock of electric cars in Germany according to manufacturers



Charging Infrastructure – 3 Guiding Principles

Reliable charging infrastructure



Comprehensive: charging points must be built nationwide, in advance, and where users expect them

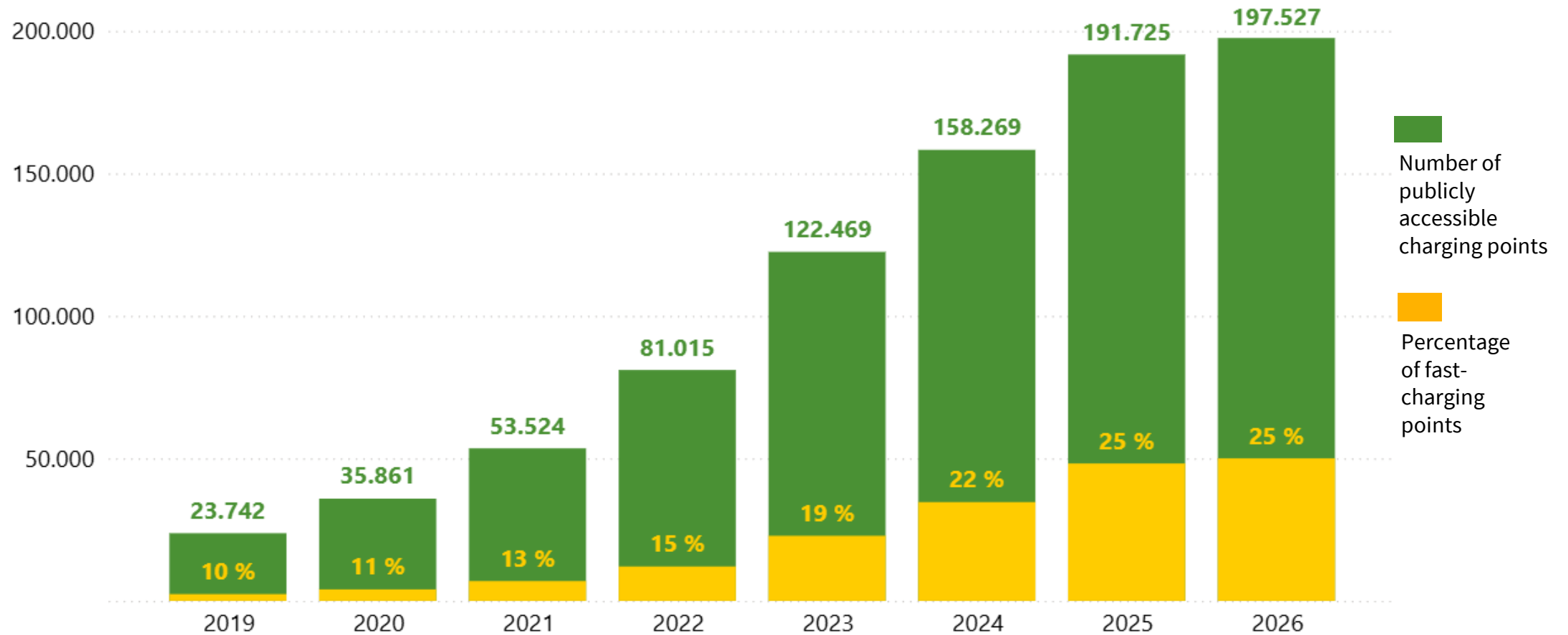


Demand-based: the number of charging points and their capacity must meet (future) demands



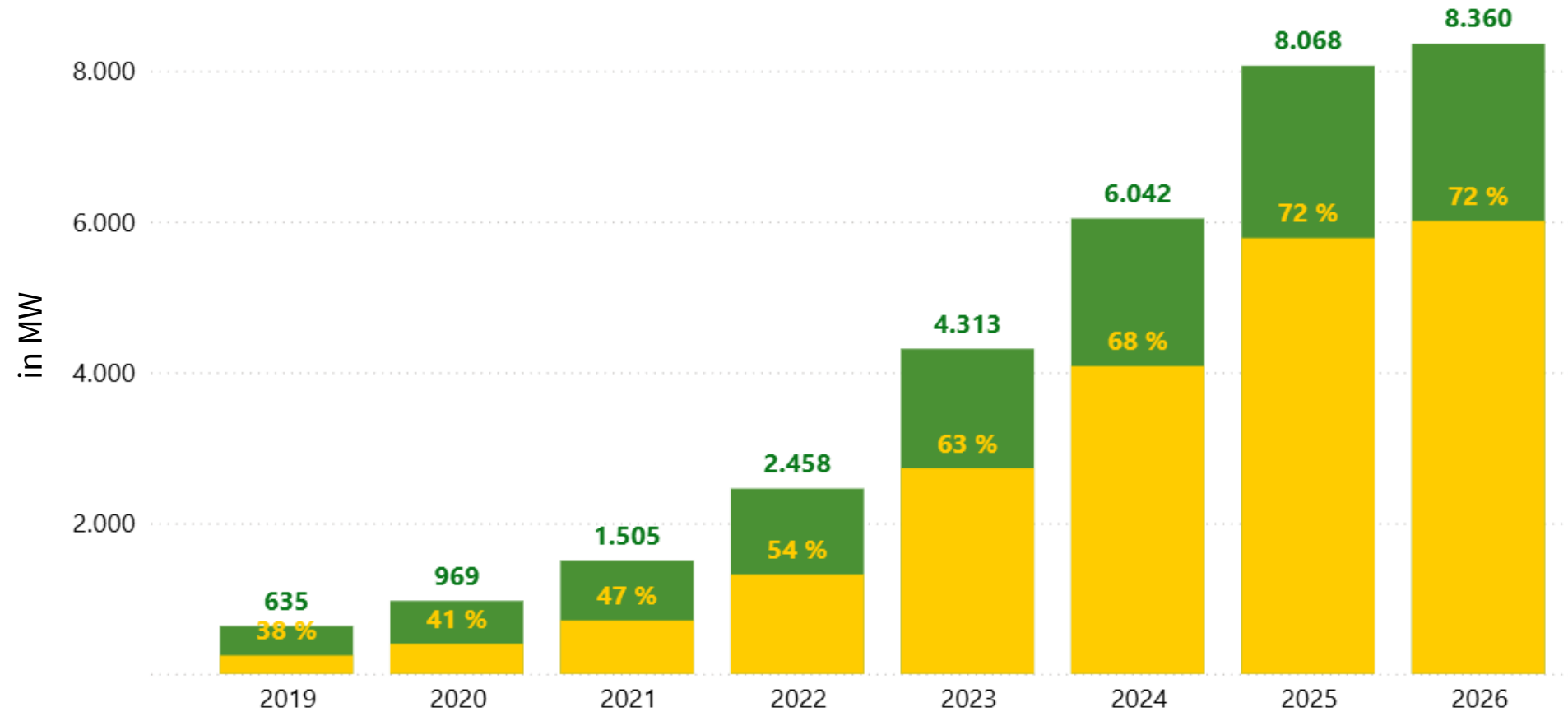
User-friendly: charging points must provide easy access and transparent pricing models

Public Charging Infrastructure I



Public Charging Infrastructure II

Total installed charging power and share from fast-charging points



Regulatory Framework

EV charging infrastructure in European and domestic regulations



Renewable Energy Directive (RED)



Electricity Directive



Alternative Fuels and Infrastructure Regulation (AFIR)



Energy Performance of Buildings Directive (EPBD)



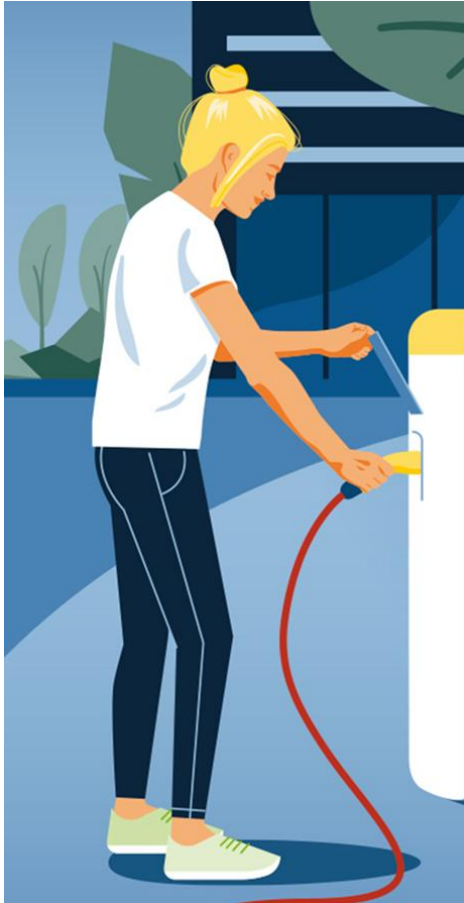
Energy Industry Act (*Energiewirtschaftsgesetz* EnWG)



Electric Mobility Act (*Elektromobilitätsgesetz* EmoG)

EU Regulation on the Deployment of Alternative Fuels Infrastructure

(AFIR)



- Mandatory **infrastructure deployment targets** for **road, maritime and aviation**
- Improving the **quality of / user experience** at electric recharging and hydrogen refueling infrastructure
- Technical specifications to improve **interoperability**
- **Reporting mechanisms** to ensure that targets are met

EU Alternative Infrastructure Regulation (AFIR)

Article 3



Fleet-based targets

1.3 kW/BEV | 0.8kW/PHEV

Cross-border and
distance-based targets

31 December 2025

31 December 2027

31 December 2030

31 December 2035

TEN-T

Core road network

400 kW charging pools with
at least 1 x 150 kW CP in both
directions of travel every
60 km

600 kW charging pools with
at least 2 x 150 kW CP in both
directions of travel every 60 km

Comprehensive road network

300 kW charging pools with
at least 1 x 150 kW CP in both
directions of travel every 60 km
over 50 % of the length

300 kW charging pools with
at least 1 x 150 kW CP in both
directions of travel every 60 km
on 100 % of the length

600 kW charging pools with
at least 2 x 150 kW CP in both
directions of travel every 60 km
on 100 % of the length

*Applies to publicly accessible charging infrastructure

BMV funding landscape charging infrastructure in everyday life

(Status: November 2025)



Nationale
LEITSTELLE
Ladeinfrastruktur
National Centre
for Charging Infrastructure

1

Solar power for electric vehicles (KfW 442)

- € 300 million euros
- In implementation
- More than 33,800 CLP

1

Charging points for electric cars – residential buildings (KfW 440)

- About 700,000 CP

3

Funding programme for fleet applications and employees (KfW 441/439)

- About 260,000 CP

NON-PUBLIC

Private and Professional

1

Own home



2

Apartment building



3

Company



3

Fast-charging infrastructure for SME's and large companies

- € About 150 million euros
- In implementation
- About 11,400 CP

4

Customer car park



5

Street space



6

Urban charging hub



7

Charging hub at axes



4

5

Charging infrastructure on site, SMEs and local authorities "de minimis"

- € 300 million euros
- In implementation
- More than 13,000 CP

4

5

6

7

Federal funding for publicly accessible charging infrastructure

- € 500 million euros
- 1st call & 2nd call in implementation

Urban

PUBLIC

Interregional

6

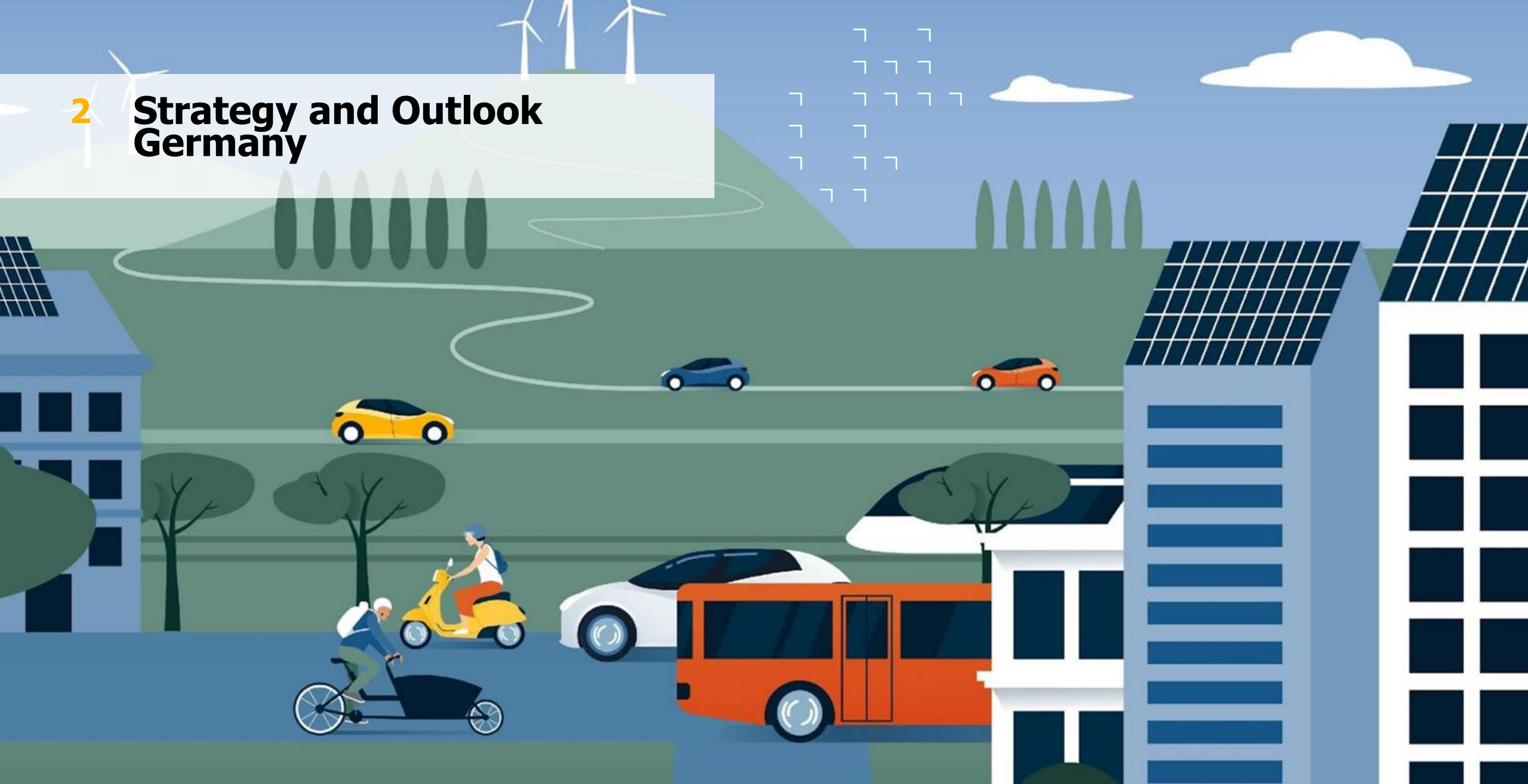
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Deutschlandnetz 1,000 HPC sites

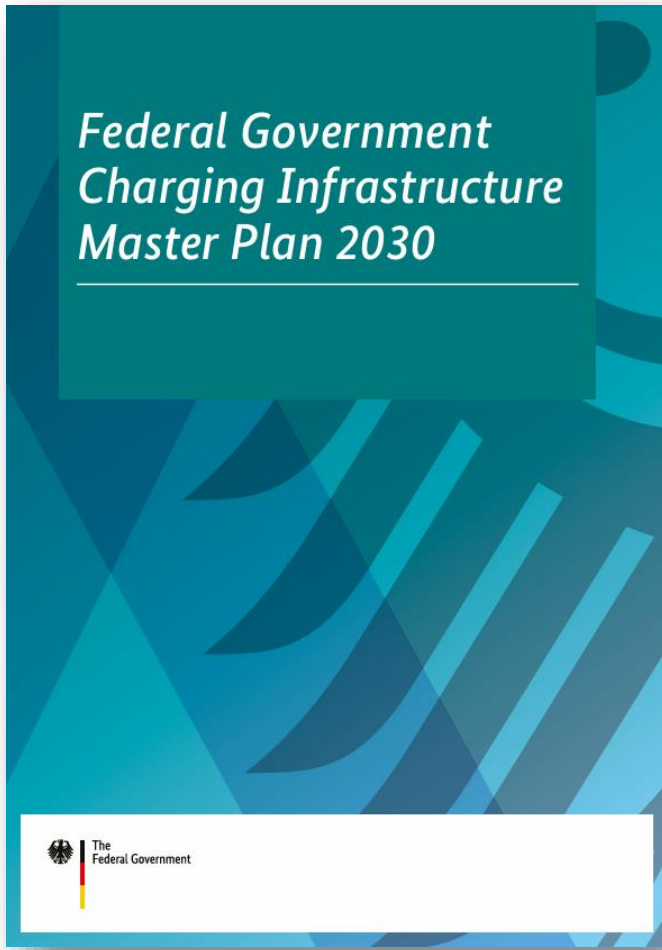
- € 2.3 billion euros
- Regional lots: About 900 locations
- Motorway lots: About 200 locations

2

Strategy and Outlook Germany



Main Areas for German Charging Infrastructure Policy: Charging Infrastructure Master Plan 2030



Promoting demand and investment



Simplifying and speeding up Implementation



Promoting Competition and Price Transparency



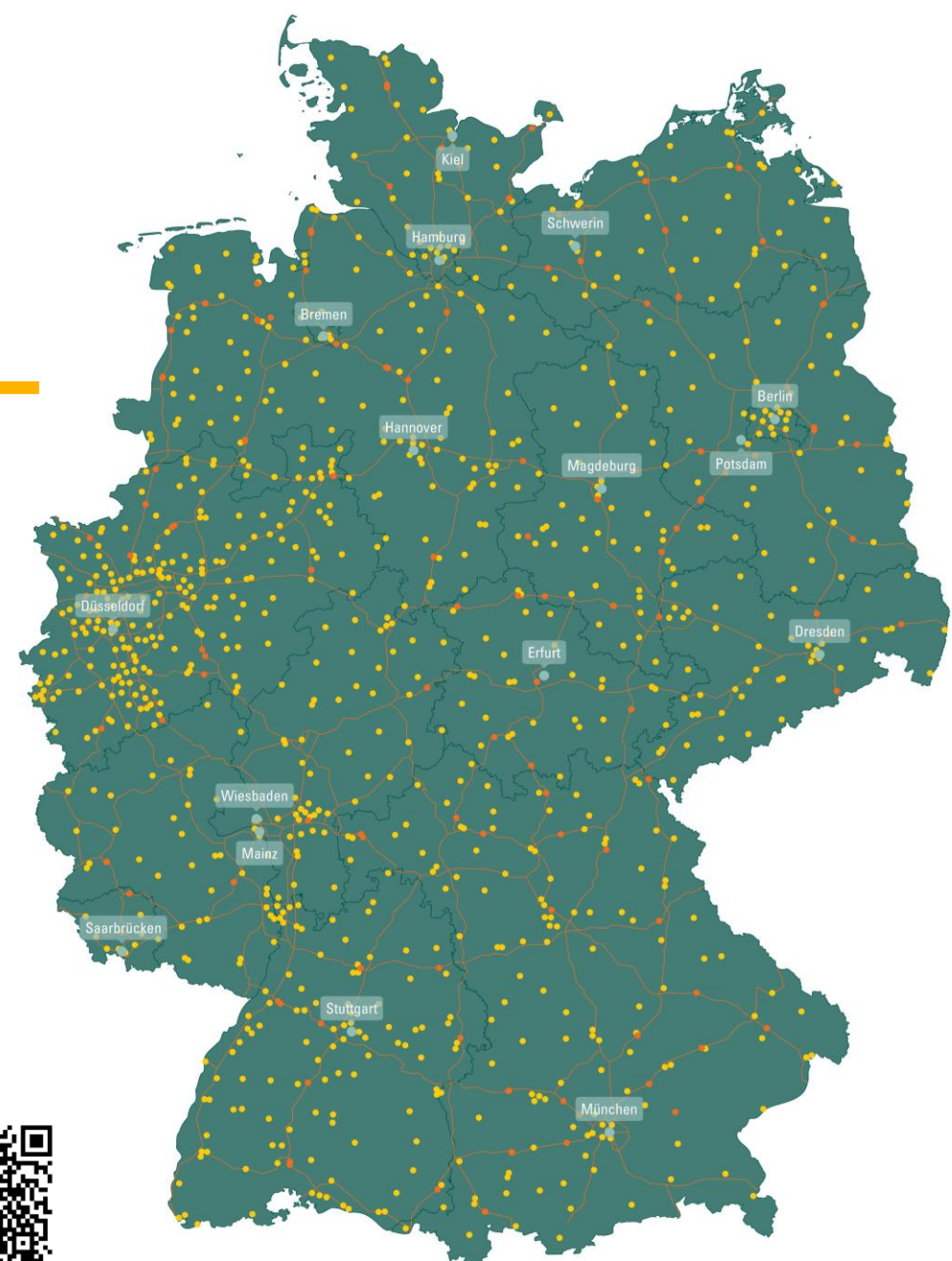
Improving Integration into the Power Grid



Boosting User-friendliness and Innovation

The *Deutschlandnetz* (Germany Network) Tender

- **The *Deutschlandnetz*** is a tender for the construction and operation of fast-charging infrastructure in **900 locations** across the country (Yellow dots) as well as **200 spots** along the **highway network** (Red dots)
- The legal basis is the **Fast Charging Act** (which came into force on 1 July 2021)
- In total, **9,000 fast-charging points will be installed**
- Private operators build and run sites on behalf of the federal government.
- **300 sites** are already in operation, the **majority** is set to **open in 2026 and 2027**
- The federal government is currently rolling out a similar tender for truck charging



Impressions from *Deutschlandnetz* Sites



HDV Fast Charging Network

Fast Charging Network

- A **fast-charging network** for electric trucks is being set up along federal highways, with locations at a total of **351 rest stops**.
- A total of approximately **1,800 MCS** will be installed for charging during breaks and **2,400 CCS** charging points for charging during longer downtimes and overnight.
- The project covers the entire federal highway network, with **94% network coverage. Every location in Germany should be accessible for electric road freight transport.**
- The tendering process for equipping **130 unmanaged rest areas has been underway since September 2024.** The equipping of 220 managed rest areas is to take place as soon as possible in a second stage.
- At the same time, the **power grid connections at all 350 locations is being installed.**





Thank you very much!

Easy charging. That is our mission.

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for Charging Infrastructure

now