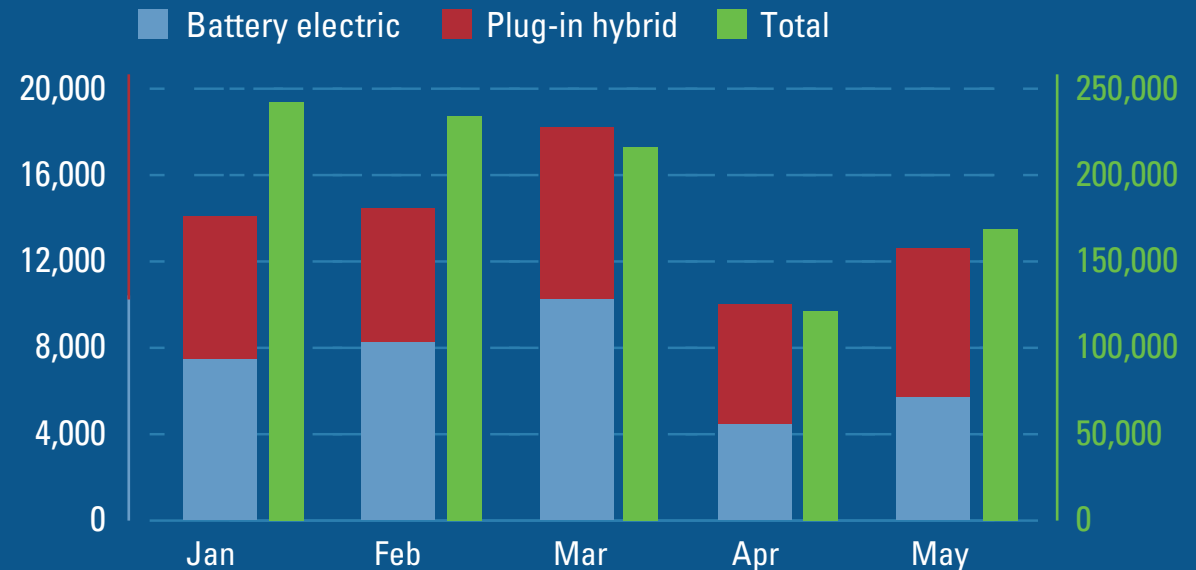


Current figures, data and facts on clean mobility with alternative drive systems and fuels

NOW GmbH is focused on clean and efficient electric mobility in an integrated energy system with the key technologies of batteries, hydrogen and fuel cells. NOW GmbH coordinates funding programmes for alternative fuels and drive systems and advises the German government in these areas. It analyses and evaluates projects and studies, develops strategies for implementing new and existing programmes and instruments, and contributes to the overall regulatory framework – both nationally and Europe-wide.

Car registrations 2020



22,353 charging points

were approved up to June 2020 through the Charging Infrastructure funding programme. In the current 6th call for funding, charging points are mainly supported on parking lots of day-care centres, hospitals and sports grounds as well as within city centres.

172,805

battery-electric passenger cars

768

Fuel cell passenger cars and fuel cell plug-in hybrids

drive on German roads

(existing stock plus new registrations, Status: 06/2020, Source: KBA)



Objectives of the National Hydrogen Strategy of the German Federal Government



Green hydrogen

on the market as a contributor to achieving climate goals



Initiate market ramp-up of the technology

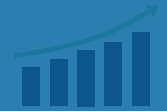


Establish value creation in Germany



Create a policy framework

to support industry and related investment decisions.



Seize economic opportunities

for ensuring the long-term future of Germany as a technological centre.

Coordinate international activities

to ensure success and alignment of national measures.

Consider the entire value chain

- from production, storage and infrastructure, to use in transport, industry and heating.

Commit to specific implementation measures

in order to place existing activities, e.g. the NIP, in an overarching context and to define a comprehensive strategy of the German government through the adoption of further measures.

Aspects of the National Hydrogen Strategy



Assuming global responsibility



Making green hydrogen competitive



Shaping the domestic market



Establishing hydrogen as an alternative energy carrier



Securing global market opportunities for German companies



Supporting science, training specialists



Securing energy supply through international hydrogen activities

Successful implementation of the strategy requires:



The establishment of a joint approach by politics, industry and science.



A holistic approach to the production, distribution and use of green hydrogen in industry, transport and heating.



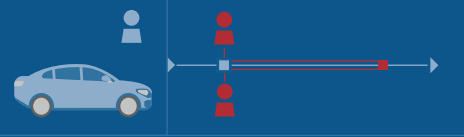
The introduction of a governance structure for the implementation and further development of the strategy.

Mobility offers distinguish themselves by:

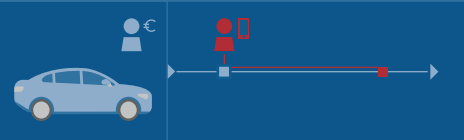
SHARING THE RIDE

- Driver
- Passenger
- Route
- Destination
- Stop
- Commercial
- On demand

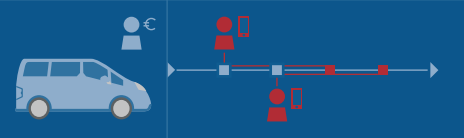
Ridesharing



Rideselling

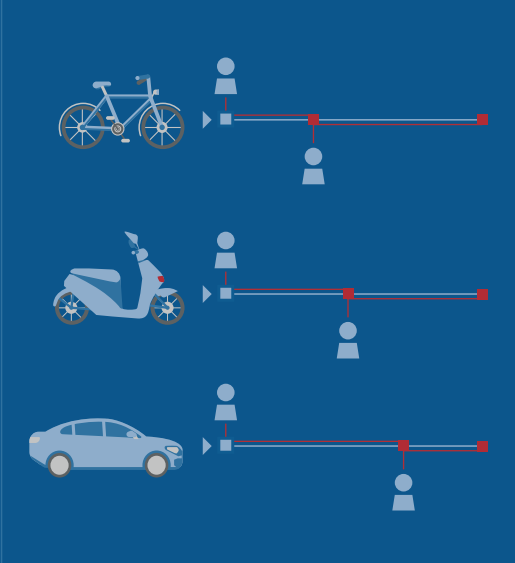


Ridepooling



SHARING THE VEHICLE

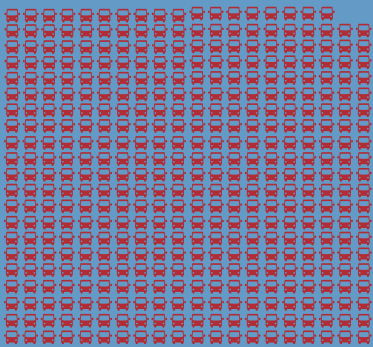
Vehiclesharing



206,035

Applications received for the electric mobility environmental incentive bonus
(Source: BAFA, Status: 06/2020)

Clean buses in Germany



458

battery electric



44

fuel cell operated

(existing stock plus new registrations, Status: 06/2020, Source: KBA)



Under what technical and economic conditions and in which market segments can electricity-based fuels be effectively used in inland waterway shipping? The study "Electricity-based fuels for fuel cells in inland waterway shipping" provides answers!

Public charging infrastructure

Figures by state



Fast charging points



Normal charging points

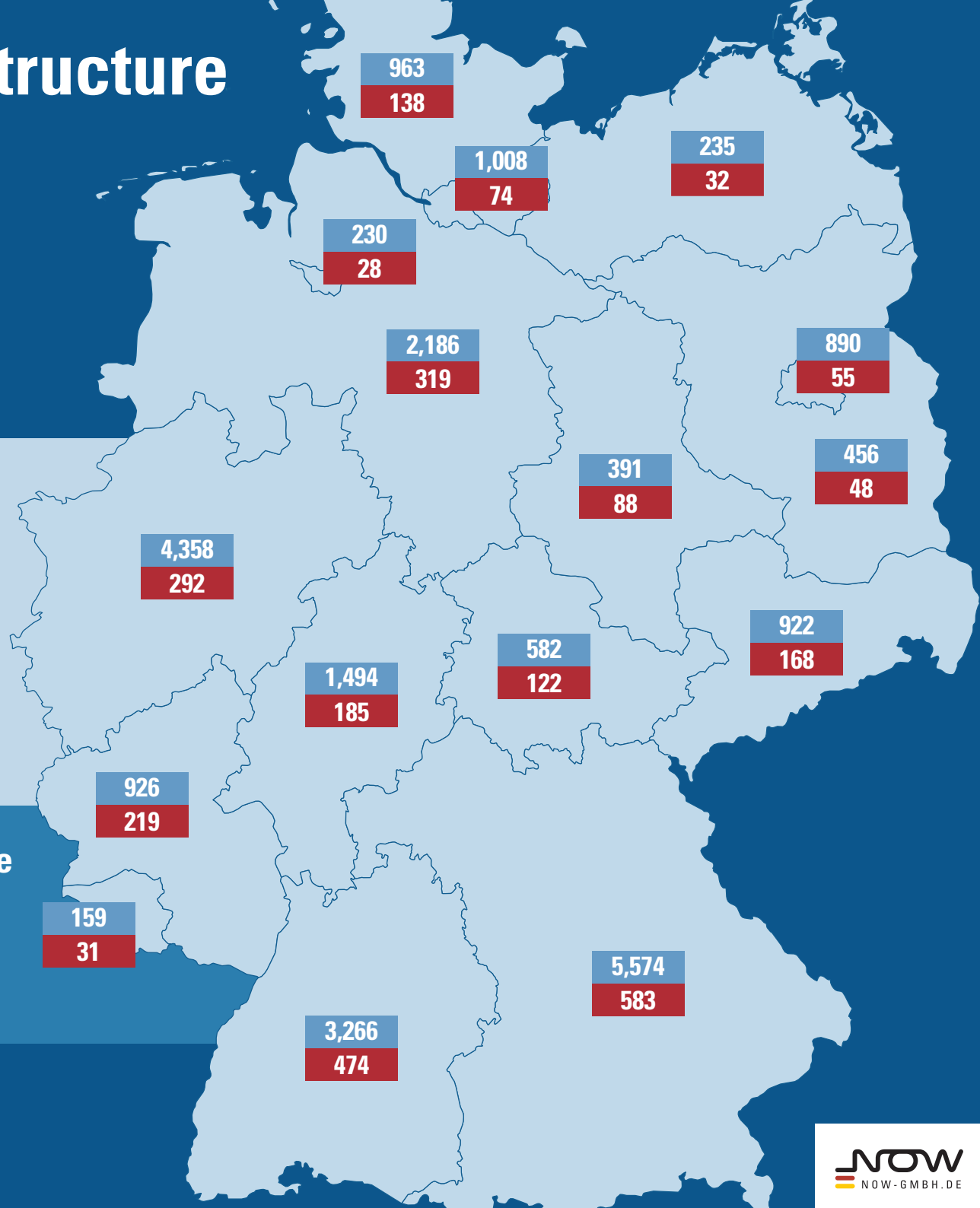
7

registered electric cars for every public charging point

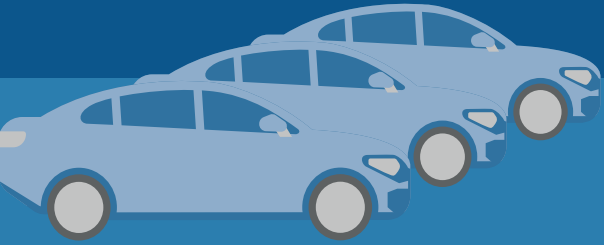
(Status: 06/2020; Sources KBA and BNetzA)



The German Centre for Charging Infrastructure at NOW GmbH is preparing a paradigm shift in the expansion of the charging infrastructure - from funding to tendering.



Fleets as drivers of e-mobility:



80%

of new electric vehicle registrations are commercial.

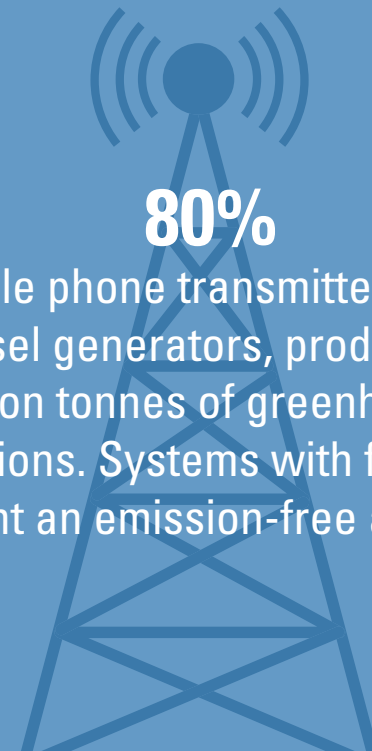
(Source: KBA, Status: 06/2020)

136

measures are being undertaken by the German federal states to switch to low-emission fuels and the associated technologies.

80%

of mobile phone transmitters in India use diesel generators, producing over 58 million tonnes of greenhouse gas emissions. Systems with fuel cells represent an emission-free alternative.



NaKoMo

NOW GmbH supports the development of the National Competence Network for Mobility (NaKoMo - Kompetenznetzwerks für Mobilität). The Network includes federal, state and local authorities and was established to facilitate the development of emission-free to make mobility in the municipalities more efficient and faster to implement.

Hydrogen filling stations in Germany:



84

in operation (Status: 06/2020)

(Source: H2.live)