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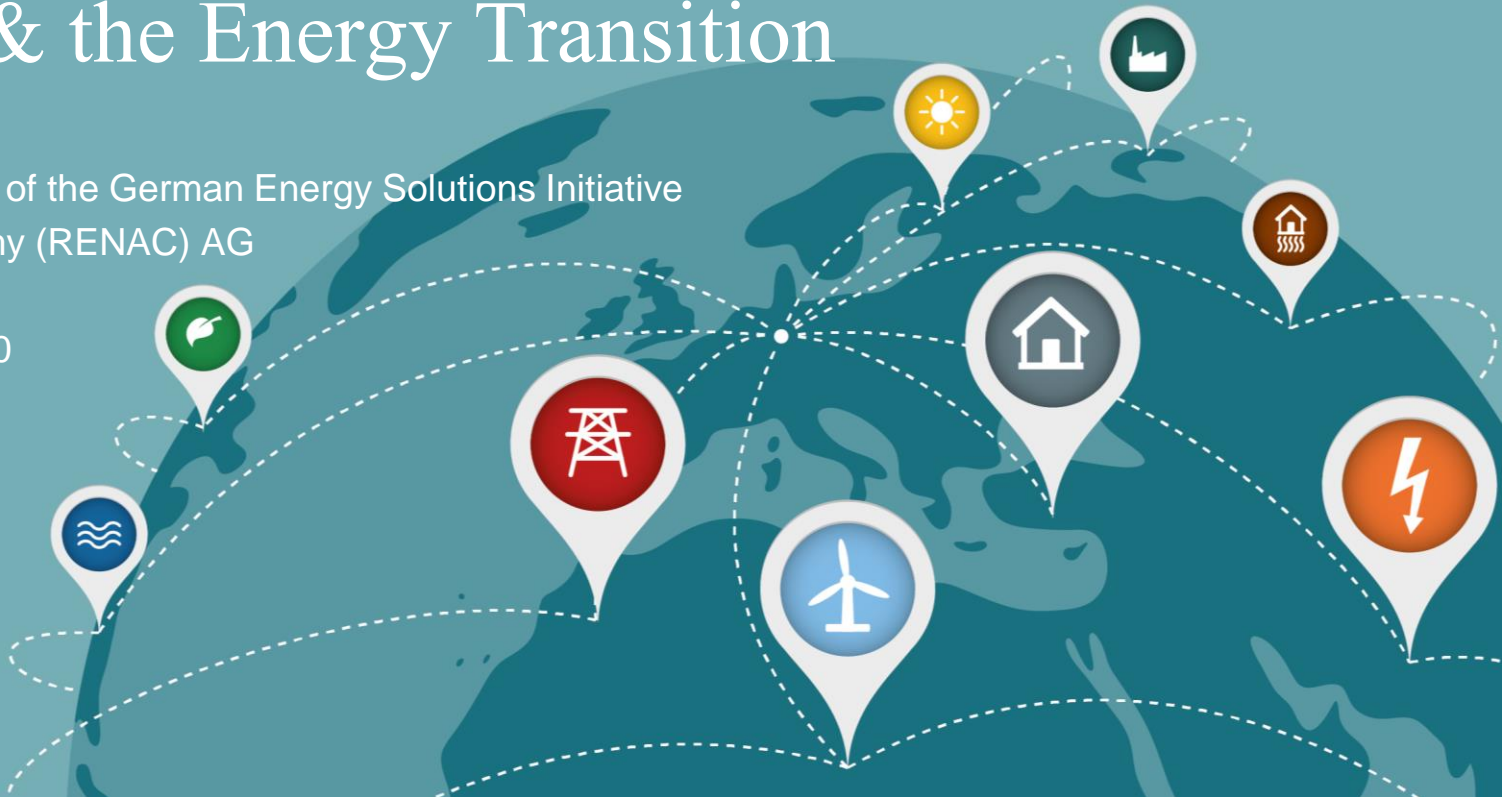
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The German Energy Solutions Initiative & the Energy Transition

Christiane Vaneker

Consultant on behalf of the German Energy Solutions Initiative
Renewables Academy (RENAC) AG

November 17th, 2020



AHK

Deutsch-Portugiesische
Industrie- und Handelskammer
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The German Energy Solutions Initiative

- Facilitates business partnerships in the field of renewables, energy efficiency technologies, smart grids and storage technologies
- Based on a **parliament decision in 2002** with the aims
 - to support **SMEs**
 - to distribute smart and sustainable energy solutions
 - to contribute to international climate protection
- Coordinated and financed by the **German Federal Ministry for Economic Affairs and Energy**



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Our Aims

Promotion of renewable energy and energy efficient technologies

Showcase sustainable energy solutions

Implementation of projects

Know-how transfer



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We offer

- **Information** about German energy solutions
- **Networking and business opportunities** with German companies
both in your country and in Germany
- **Know-how exchange**
- Showcases of **flagship projects** around the world

Networking and business opportunities

AHK trade missions to your country

- One-day seminar
- Individual business meetings



Foreign trade fairs

- German Pavilion with German exhibitors, information forum and events



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Know-how exchange

Fact-finding missions to Germany

- First-hand information on energy solutions made in Germany
- on-site visits and networking opportunities



German Training Weeks

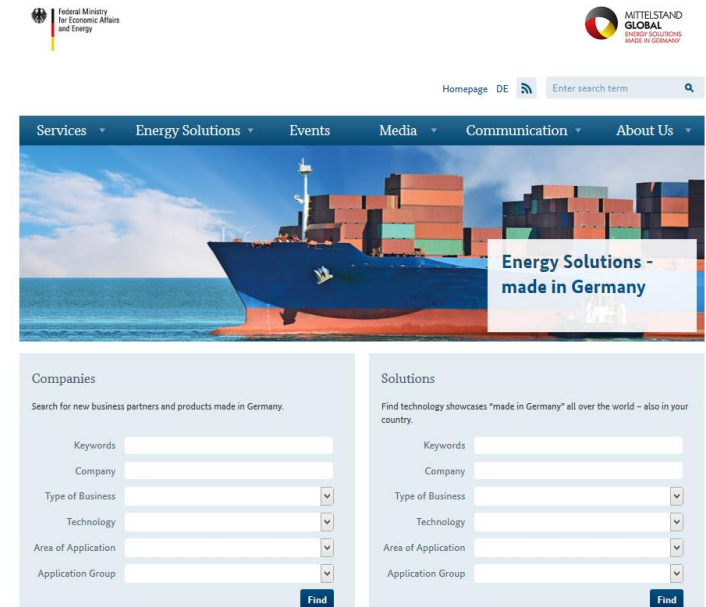
- German company representatives as trainers
- Technology specific trainings or trainings on projects on project development



Information about Events and German companies

On our website you can find:

- ✓ Information about technologies made in Germany on a Database
- ✓ Current news and upcoming events
- ✓ www.german-energy-solutions.de
- ✓ You may also always contact us!



The German Energy Transition „Energiewende“



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Seite 3

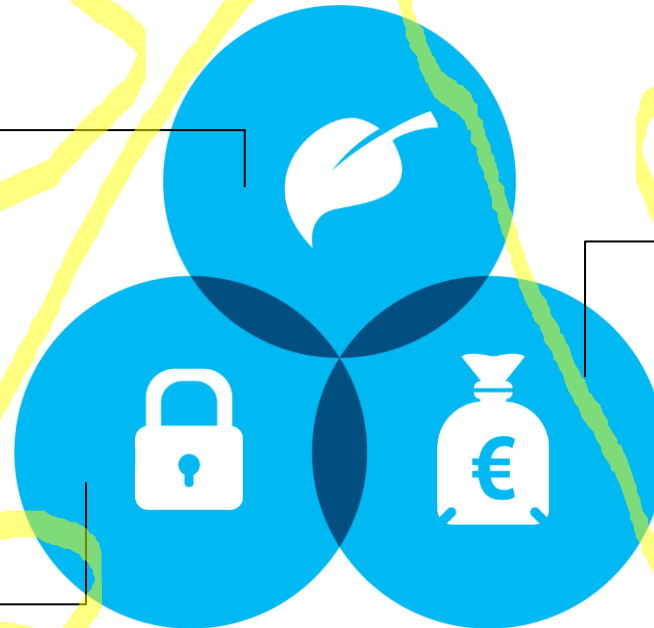


The *Energiewende* combines security of supply, cost-effectiveness and environmental protection

Environmentally
sound

Affordable and
cost-effective

Secure and
reliable



Source: BMWi



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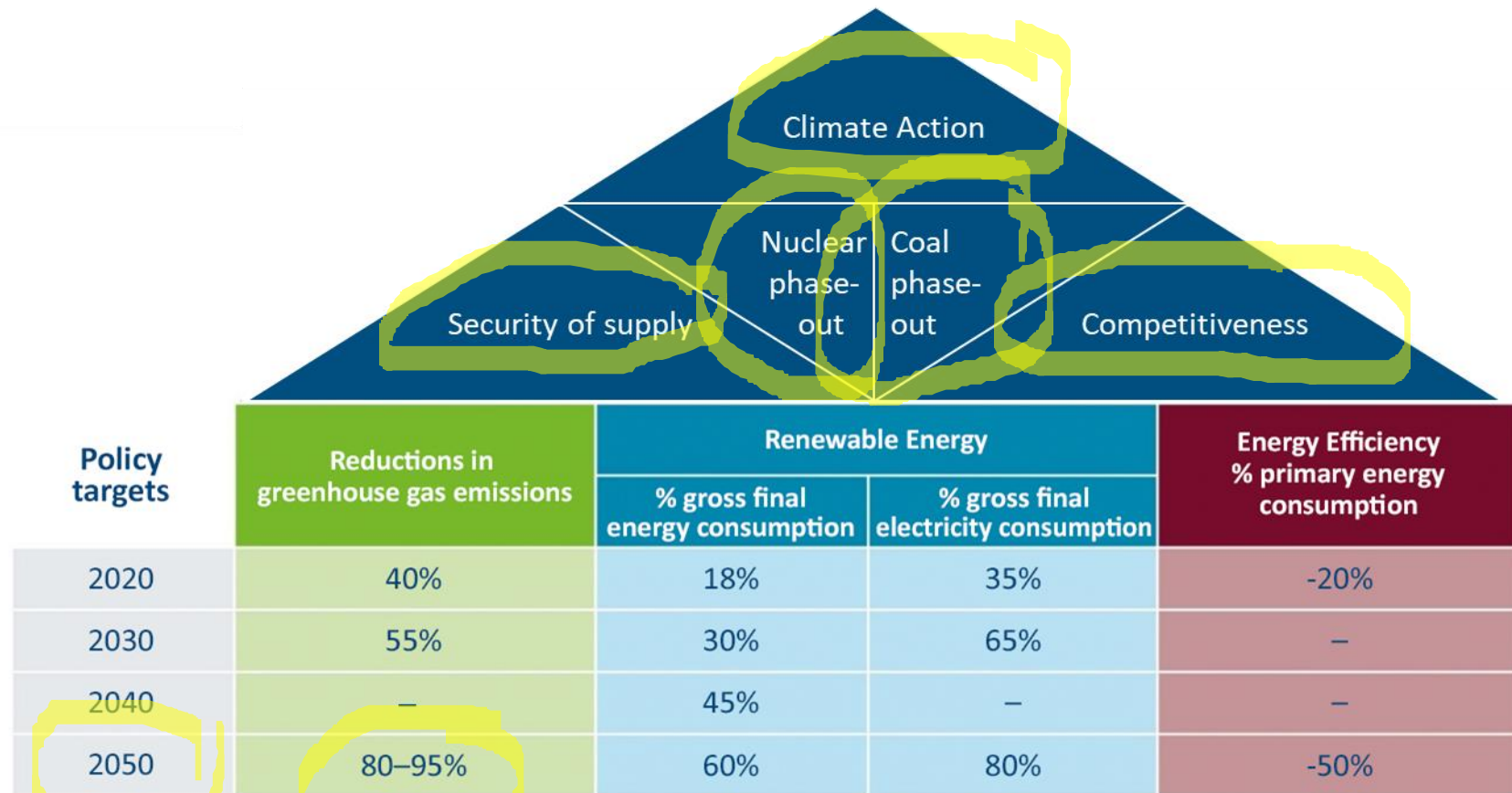


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Seite 9



The *Energiewende* is Germany's long-term energy and climate strategy



Source: Navigant 2019 based on Energiekonzept (2010) and Beschlüsse des Bundeskabinetts 2011



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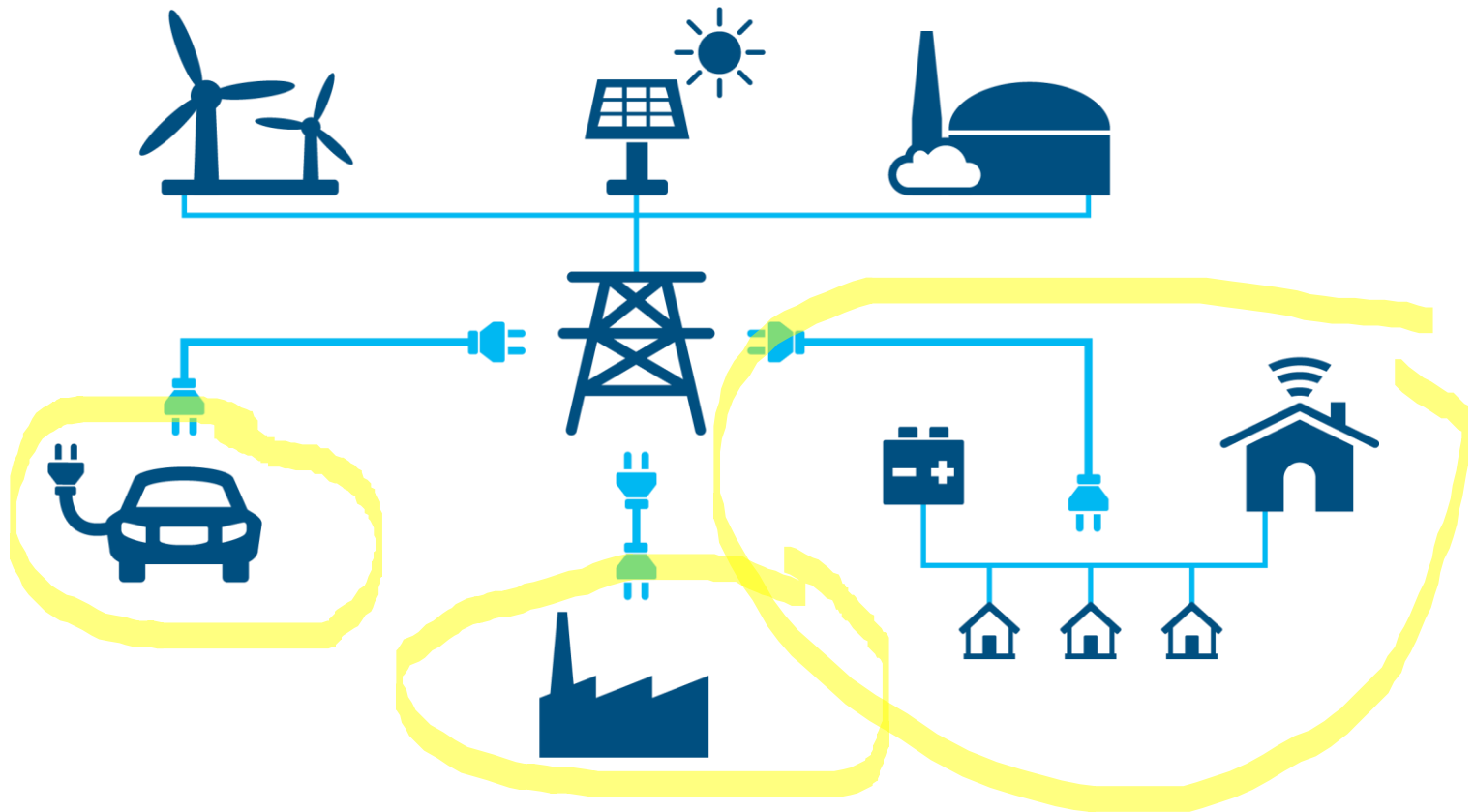


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Seite 10



Decarbonising our energy systems leads to an increased electrification of all sectors



Source: BMWi



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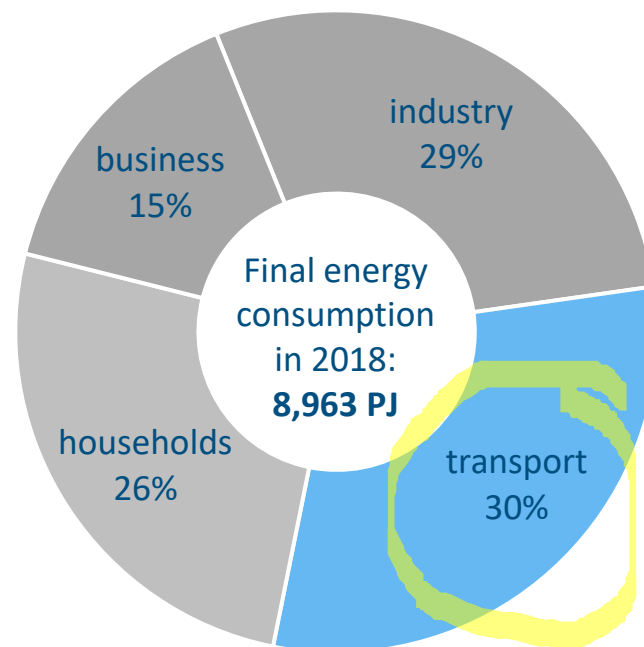
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11/24/2020 | 11



In the transport sector, CO₂-pricing, e-mobility and promoting public transport are the key measures

Measures for transport sector

- Fuel taxation and CO₂-based vehicle tax
- National emissions trading as of 2021
- Federal funding for local public transport and railway transport
- Premium scheme for people buying electric, hybrid and fuel cell vehicles
- Expanding charging infrastructure for electric mobility
- Increase share of renewable energies
- EU fleet-wide CO₂ emission targets for 2025 & 2030



Source: Guidehouse 2020 based on BMWi 2020



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A comprehensive package of measures supports the market launch of electric mobility in Germany

Economic incentives



Purchase grant for new vehicles:

- €4000 for purely electric vehicles
- €3000 for plug-in hybrids

Expansion of charging infrastructure



€200 million for rapid charging infrastructure

€100 million for standard charging infrastructure

Electric vehicles in public vehicle fleet

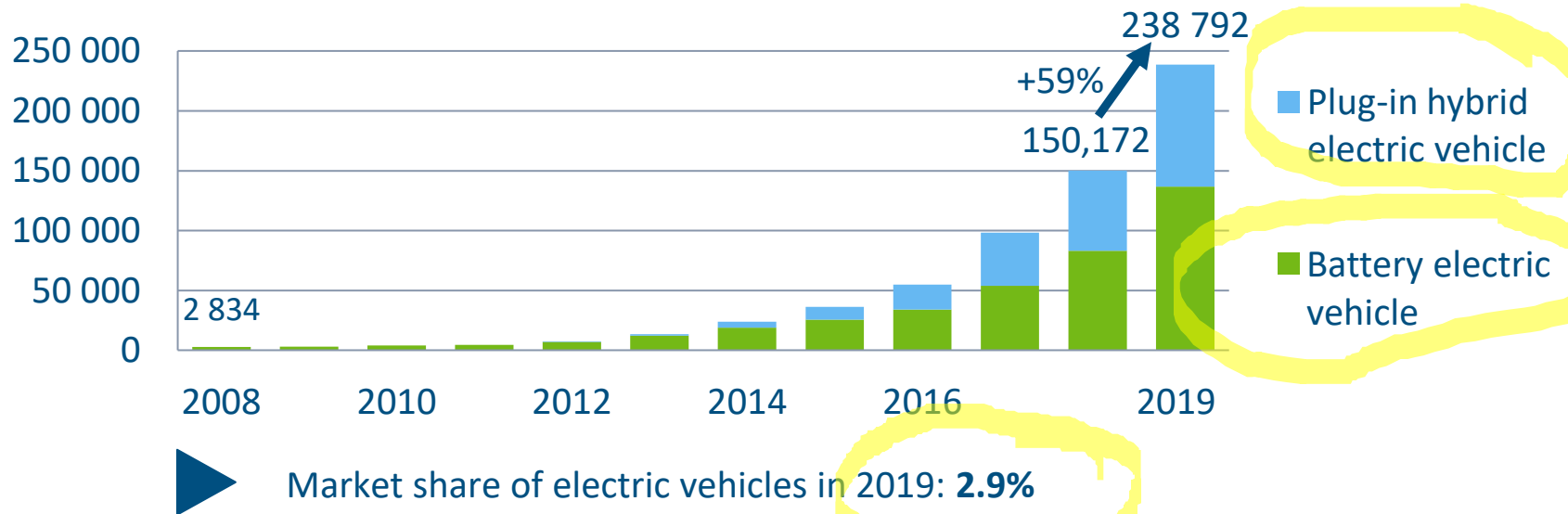


€100 million to increase the share of electric vehicles in public fleet to at least 20% by 2019.



The total stock of electric vehicles is rapidly increasing, but more action is needed

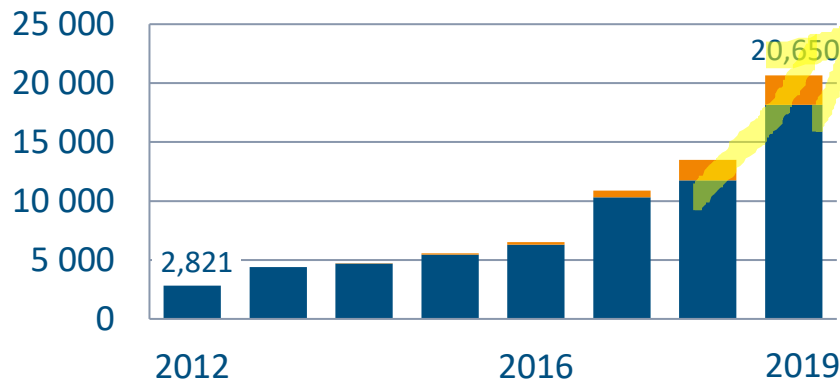
Stock of electric passenger vehicles in Germany



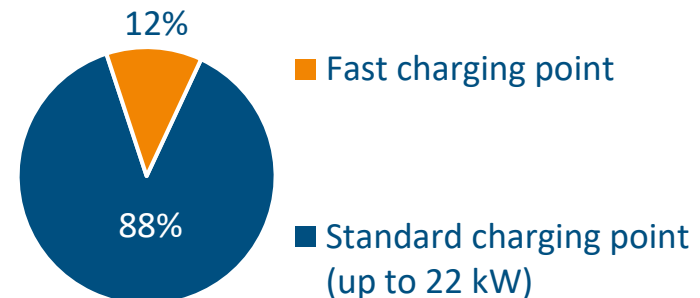
Source: Guidehouse 2020 based on KBA 2018, KBA 2019, KBA 2020 & BMWi 2016

The number of public charging points for electric vehicles is increasing

Stock of charging points for electric vehicles



Market shares of charging points by type



Target according to German Government Coalition Agreement 2018

100,000 additional charging points installed by 2020 (vs. status quo)



Contact us

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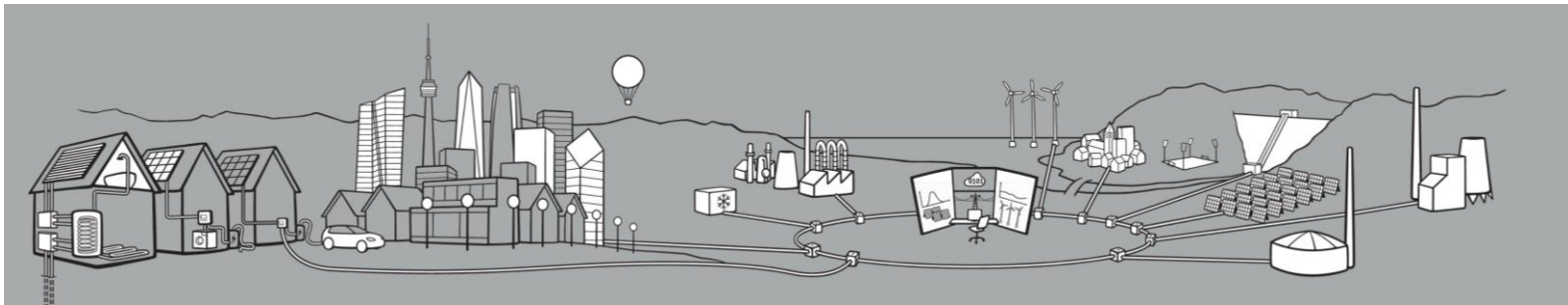
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Seite 16

