

Federal Ministry for Economic Affairs and Climate Action



Energy Transition - Made in Germany An Introduction

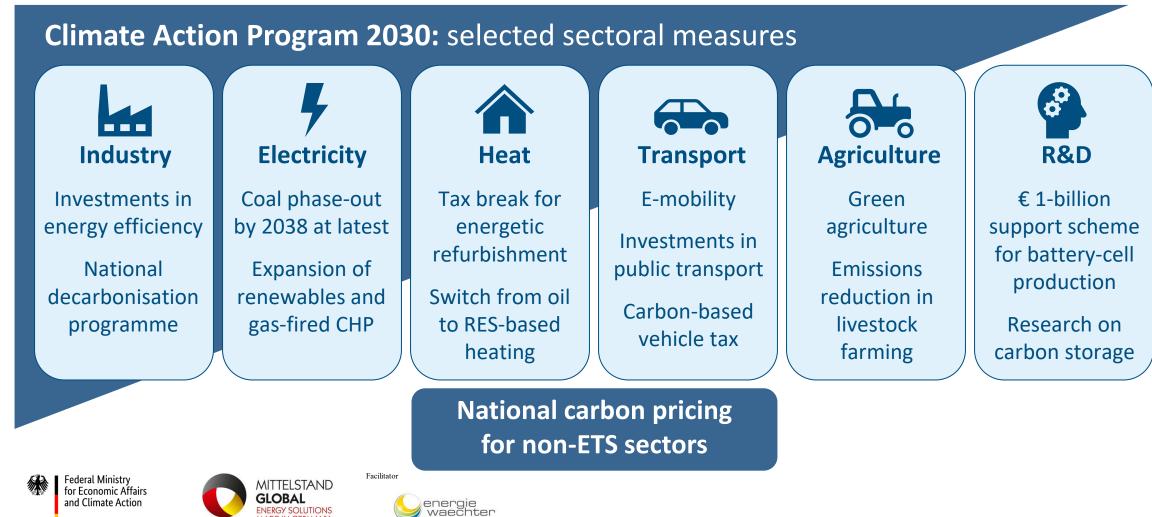
Marta Cavalli Consultant, energiewaechter GmbH

13 September 2022, Zagreb





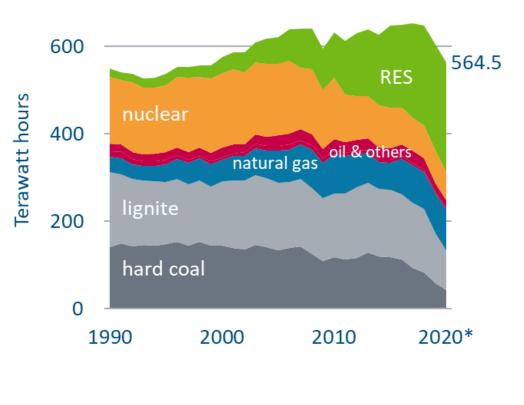
Germany's Climate Action Program 2030 shows strong political commitment to climate protection



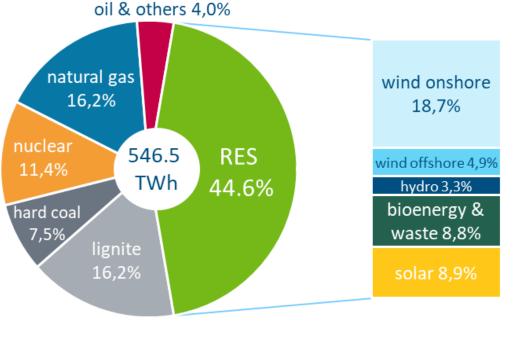
ADE IN GERMAN

Energy efficiency and renewable energies in buildings with focus on renovation | 13/09/2022 | Seite 2

Renewables have become Germany's No. 1 source of electricity



Gross electricity generation in Germany



Electricity mix in 2020*

44.6% RES in gross electricity generation corresponds to 46.2% RES in gross electricity consumption. * preliminary data



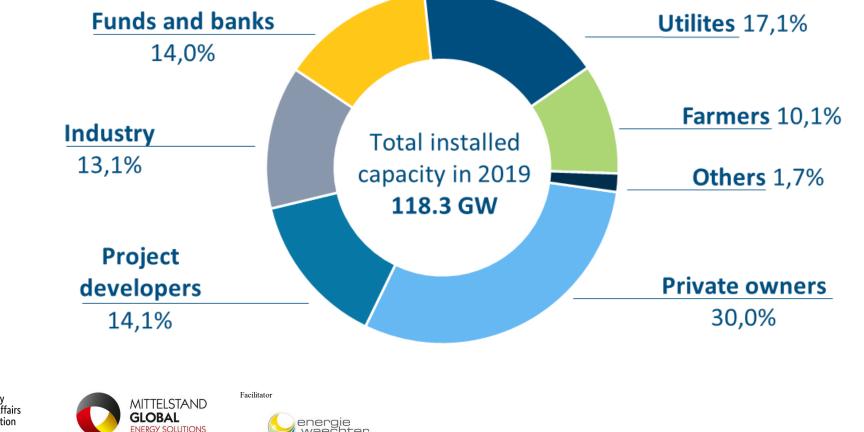
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Diversified ownership structure of renewables illustrates broad support in Germany

Ownership structure of renewable energy sources for electricity generation in 2019

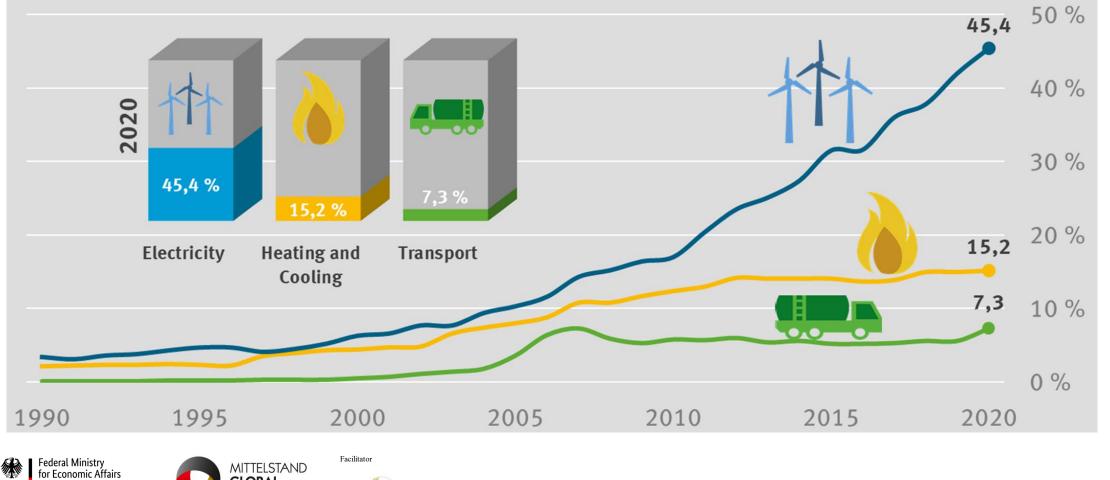








Shares of renewable energy sources in the electricity sector, for heating/cooling and for transport



energie waechter

GLOBAL

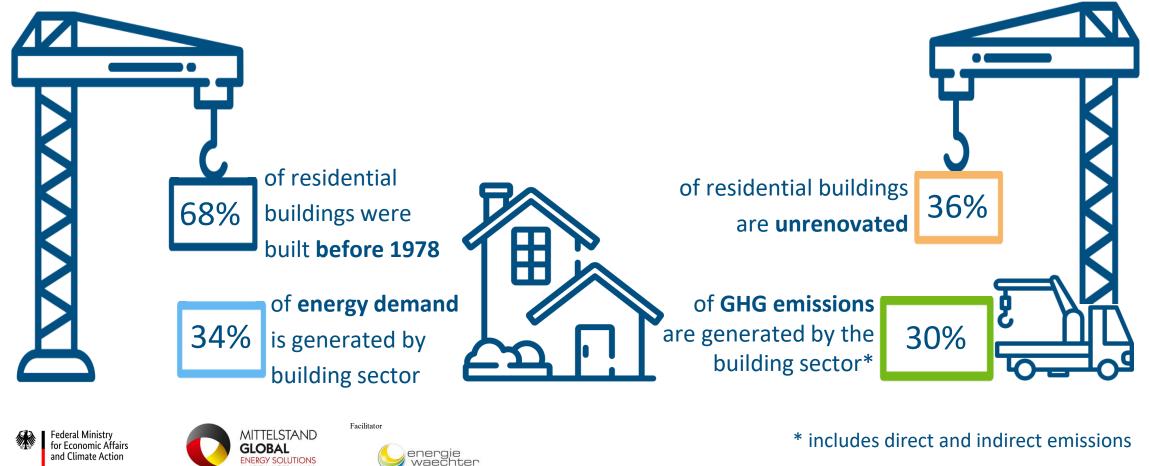
ENERGY SOLUTIONS MADE IN GERMANY

and Climate Action

Source: Umweltbundesamt, basierend auf AGEE-Stat, 02/2021

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Low-energy refurbishment of existing building stock is crucial for the success of the energy transition



ENERGY SOLUTIONS ADE IN GERMAN

The energy transition triad defines the priorities for the building sector



House with insulation

House with insulation and solar collectors



solar collectors and heat pump

Energy transition triad for buildings

Significant and sustainable reduction of energy demand

Direct use of **renewable energies** wherever possible

Efficient use of renewable electricity through sector coupling



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German Energy Solutions Initiative

- Enables business partnerships in the field of renewable energies, energy efficiency technologies, smart grids and storage technologies
- Based on a 2002 parliamentary resolution with the aims
 - Support for SME's
 - dissemination of intelligent and sustainable energy solutions
 - \circ $\,$ Contribution to international climate protection $\,$
- Coordinated and financed by the Federal Ministry for Economic Affairs and Climate Action (BMWK)

Facilitator





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Information

https://www.german-energy-solutions.de/en

Online database: profiles and contact information of German companies

Current information about German energy solutions

Facilitator

- Upcoming events of the initiative
- Newsletter





06/09/2018 SOLAR ENERGY Heating and cooling with solar thermal energy: Independent of seasonal flucture

energy: Independent of seasonal fluctuations with sorption heat storage



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Participating German companies

Company	Representative	Business segment
Centroplan GmbH	Jörg Lübke	Solutions for solar-panelled roofs
mfh systems GmbH	Andreas Piephans Dejan Dobrijevic	Heating and cooling systems
MIG Material Innovative Gesellschaft mbH	Wolfgang Bonder	Chromate reduction system that limits toxicity in cement or cement-based materials and thermal insulation coating system
LED-LIGHT Germany	Gunter Klee	Energy-efficient lighting systems and renovation
Pravida Bau GmbH	Otto Pravida	Construction projects of commercial and industrial buildings



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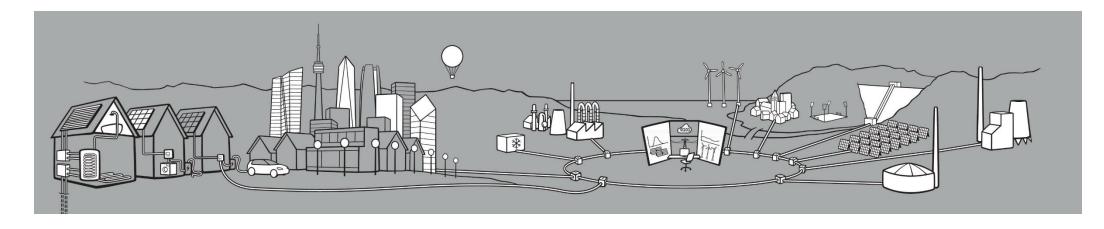


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