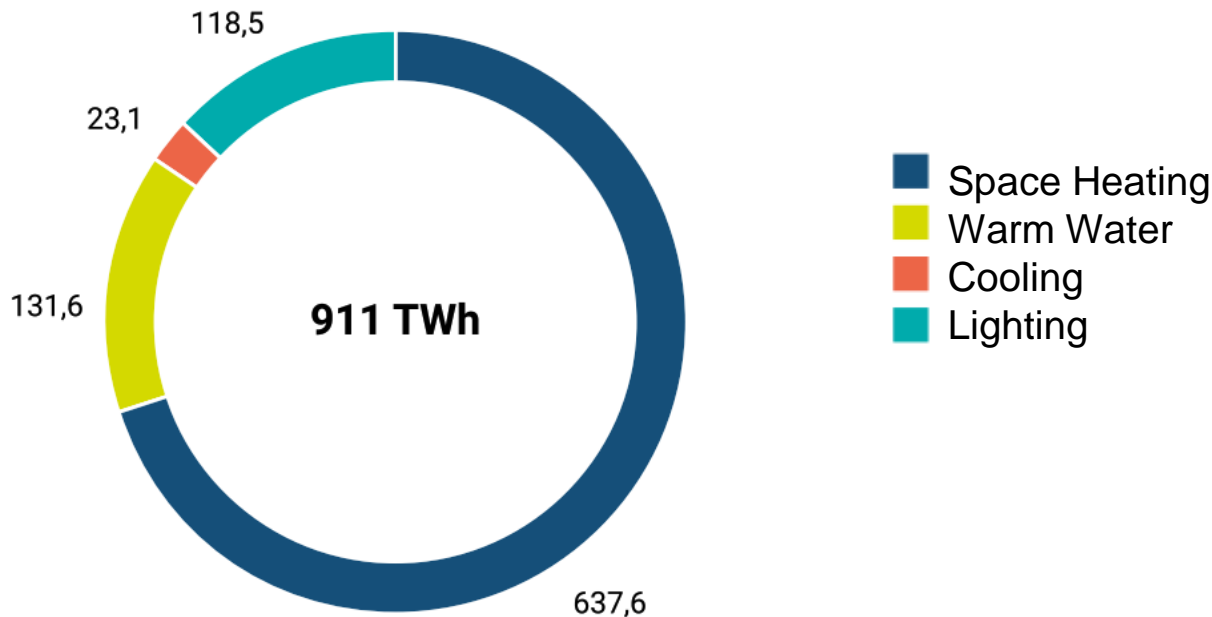


COP27 – Clean Heat and Cooling Forum
Ludwig Labuzinski, Nov 14th, 2022

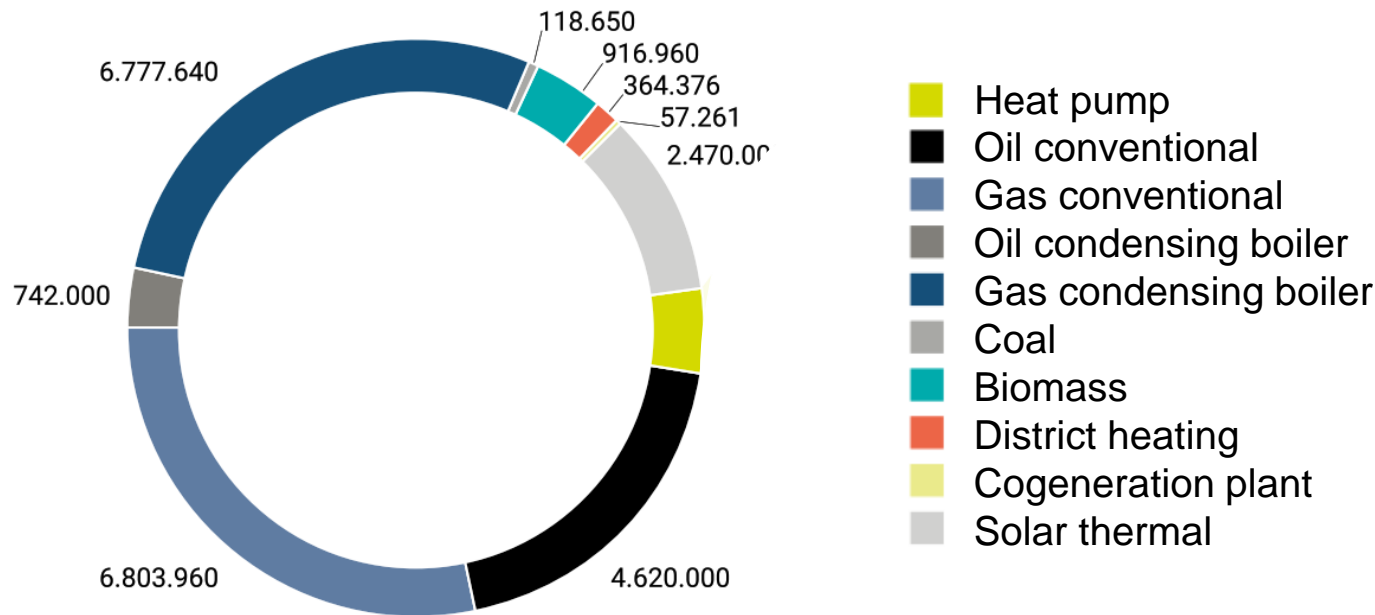
German Ambition on Clean Heat

SPACE HEATING ACCOUNTS FOR THE HIGHEST SHARE OF ENERGY CONSUMPTION IN GERMANY'S BUILDINGS



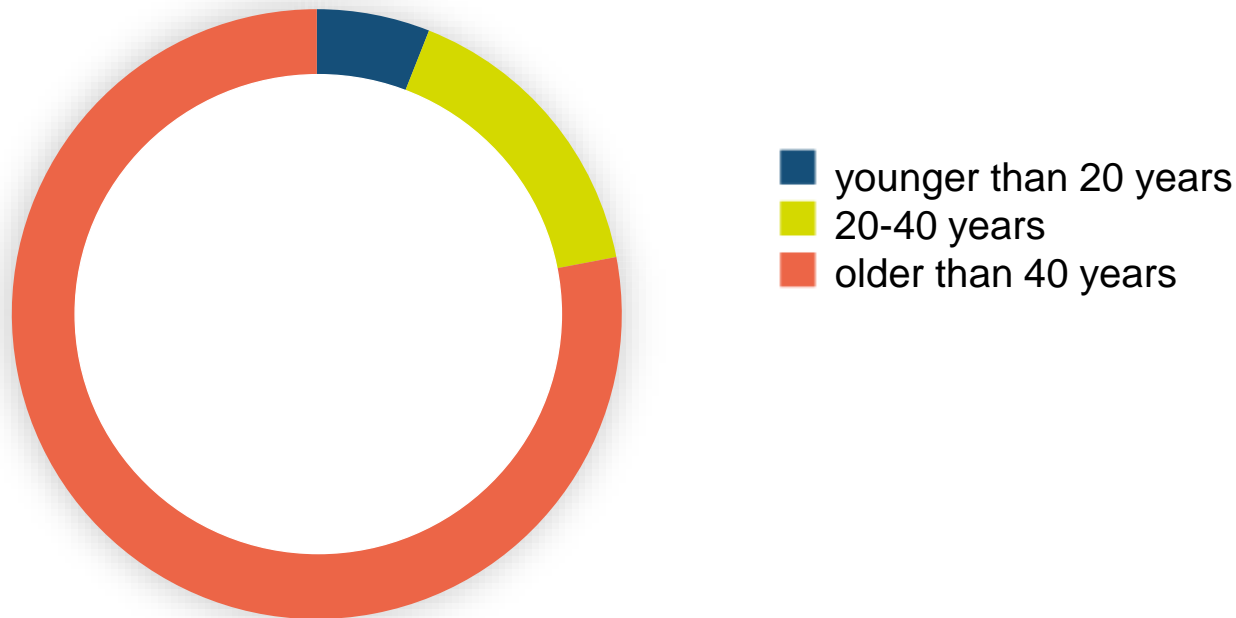
Source: dena Buildings Report 2023; BMWi, 2022

HEAT GENERATION IN EXISTING BUILDINGS RELIES MAINLY ON FOSSIL FUELS



Source: dena Buildings Report 2023; BSW 2021, BWP 2021, AGFW 2020, Schornsteinfegerverband 2020

LOW-ENERGY REFURBISHMENT OF EXISTING BUILDING STOCK IS CRUCIAL FOR THE SUCCESS OF THE ENERGY TRANSITION



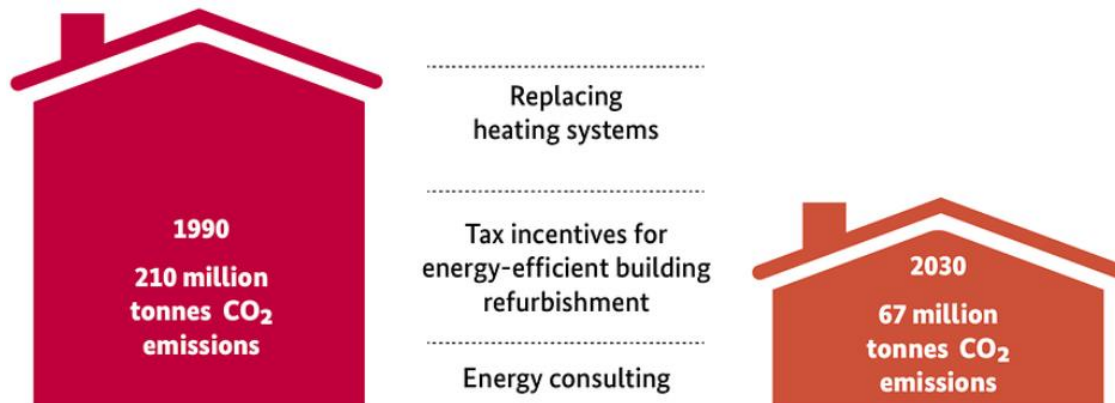
Source: UBA 2019 Wohnen und Sanieren, own illustration

Political Framework

SENSE OF URGENCY: SECURITY OF SUPPLY AND CLIMATE PROTECTION

➤ CLIMATE CHANGE ACT: ACHIEVING GREENHOUSE GAS NEUTRALITY BY 2045

➤ 2022 IMMEDIATE ACTION PROGRAMME



Source: Federal Government, www.bundesregierung.de

IMMEDIATE ACTION PROGRAMME 2022



HEAT PUMP OFFENSIVE

- by 2030: 6 million heat pumps



SHIFT TO RENEWABLE HEAT

- obligation from 2024: every newly installed heating system is to operate with at least 65% renewable energy



FEDERAL FUNDING FOR EFFICIENT HEAT NETWORKS (BEW)



MUNICIPAL HEAT PLANNING

Implementation Approaches

Municipal Heating Transition Excellence Centre (KWW)

The decarbonisation of the heating sector is one of the greatest challenges of the energy transition. The municipal heat planning is the first regional instrument for locally developing and implementing climate-neutral heat supply and the required strategic and planning measures. The Municipal Heating Transition Excellence Centre (KWW) in Halle (Saale), a region affected by the coal phase-out, aims to strengthen the role of municipalities as well as municipal heat planning in Germany. KWW also wants to actively support municipalities in heat planning.



Target groups: Municipalities, federal states, political stakeholders, advisory institutions, professional public



Service: Knowledge transfer, Consulting, networking, best practice exchange



©Shutterstock/Rudy Balasko

www.kww-halle.de

Energiesprong Germany – serial refurbishment

The internationally award-winning Energiesprong approach, originating from the Netherlands, is revolutionising the refurbishment market. With digitalised construction processes and serially prefabricated elements, buildings can be refurbished much faster in a climate-neutral way. dena is coordinating market development in Germany in order to leverage the enormous CO₂ savings potential of this approach. It brings together the housing and construction industries and start-ups, drives innovation, pilots, standards development and scaling, and leads the way to innovation-friendly framework conditions.



Target groups: Innovation drivers in the construction and housing industry, start-ups, political stakeholders



©dena/Nils Bormann

www.energiesprong.de

The Idea works!



NL: >5.000 homes



FR: >1.000 homes



UK: >15 homes



DE: >100 homes

Energy-Efficient Building in China

dena and its Chinese and German partners are implementing highly efficient pilot projects in China. This results in best practice examples of high efficiency standards that open up new export markets in energy efficiency products and energy services for the German economy.

The aim is to improve the market conditions for energy efficiency technologies, share knowledge and establish energy efficiency concepts that are suitable for the mass market in China.



Project term: since 2008



Commissioned by MoHURD (Chinese building ministry), German and Chinese companies in the efficiency marketplace



Target groups: Regulatory and financial decision-makers, specialist stakeholders in China



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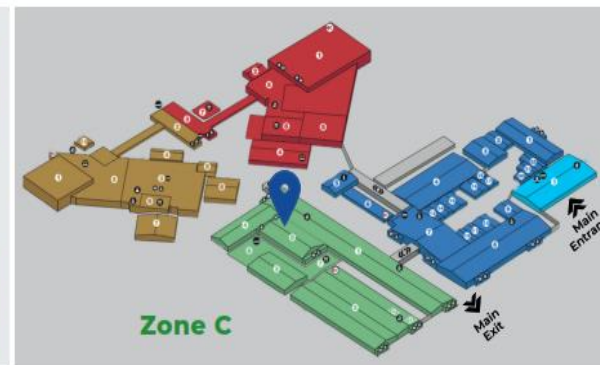
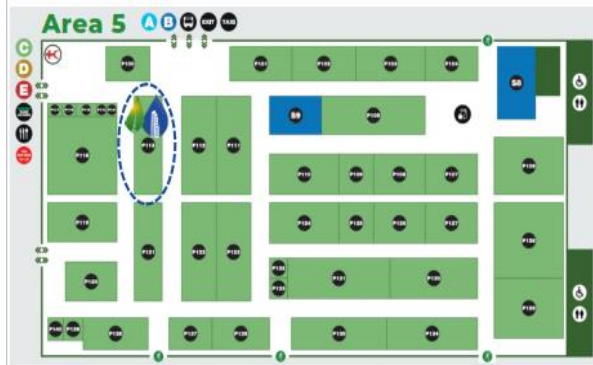
China's Greater Bay Area:

How to Decarbonize the Buildings and Construction Sector

➤ Wednesday, Nov 16

➤ 12.00 – 13.00 EGY

Find the Buildings Pavilion in Zone C, Area 5, lot n. 113



Thank you for your attention.

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