THE FUTURE OF LIQUID HEATING FUELS Putting the Pieces Together MAY 20 % 27, 2021 VIRTUAL CONFERENCE

Presented by

Low carbon fuels are being trialed successfully in heating projects across Europe.

Wilfried Linke

Federation of the German Heating Industry (BDH)

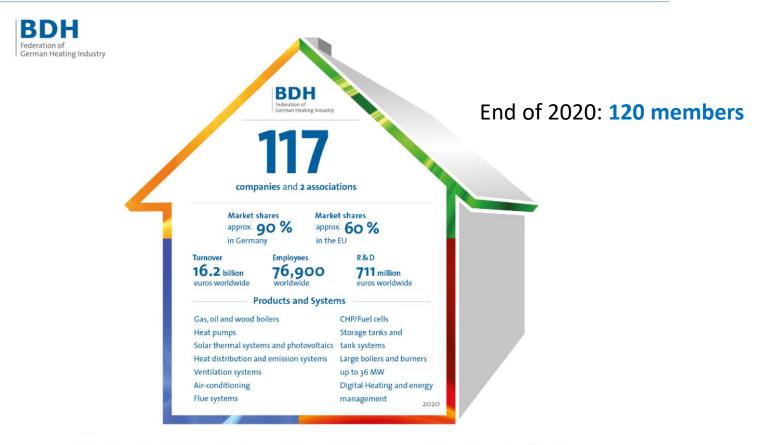


Content

- Answers to the following questions:
 - Who we are?
 - What are the objectives?
 - What is the latest state of play?



BDH: Who we are?



Portrait of the Federation of German Heating Industry





Federation of the German Heating Industry

- Claim: BDH: Association for Climate Protection and Energy Efficiency
- Ambitious European and German climate protection goals require rapid solutions for achieving the goals.
- Technically, the German heating industry offers solutions to actually reach the 2030 goal in the building sector reducing CO2 emissions from 119 million t to 67 million t.
- At least two-thirds of this reduction can be achieved by modernization of obsolete heating systems and one third by measures on the building envelope.
- However, this requires an equally ambitious promotional policy strategy by the Federal Government, which in turn serves the goal
 of making Germany's stagnating modernization markets more dynamic. If this does not happen, achieving the climate protection
 goals will be a distant prospect.
- Concerning the creation of the regulatory framework and the funding strategy, the BDH stands by the following principles:
- Regulatory law for new buildings: yes, with simultaneous waiver of regulatory constraints for the renovation of existing buildings
- A steady and attractive policy of incentives for stock building renovation
- Technology and energy neutrality while avoiding technology subsidies and technology requirements and / or discrimination of individual energy sources
- Deregulation and simplification of the regulatory law (for example, consolidation / synchronization between EnEV and EEG) → BEG



BDH: https://www.bdh-koeln.de/en



From 22 to 36 March 2021, the leading trade fair ISH was held in digital format for the first time. From the very beginning, the event focused on networking, Innovidege schange, high-caline content, an attentive accompanying programme and the latest solutions and product innovations from exhibitors. A total of 3 polyhour of content were broadcast disclusible in leve event.

Technology and Energy Panel: Green Deal ready!

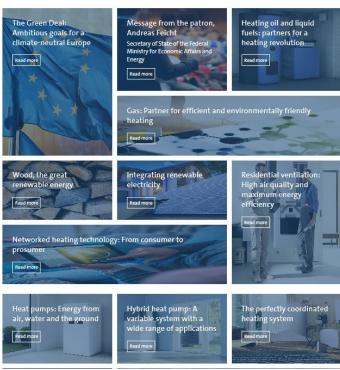
The Federation of German Heating Industry (BDH) organised the Technology and Energy Panel together with Messe Frankfurt for the ninth time, this year as a digital format as well.

The patron was Andreas Felcht. State Secretary at the Federal Ministry for Economic Affairs and Energy. Together with Main Partner Zukunft Gas, Gold Partner, the <u>institution for Warme und Modifist (Word</u>), as well as the twelve partner associations, the Panel demonstrated solution strategies for achieving the ambitious climate targets in the building sector.

These goals result primarily from the EU Green Deal, which was adopted at the end of 2019 under Commission President Ursula von der Leyen. The aim of the Green Deal is to make Europe the first climate-neutral continent by 2010. By 2010, CD₂ emissions are to be reduced by 15 % compared to 1990 levels.

Association V Heating Revolution Heating Systems V Press V Service V BM

These goals result primarily from the EU Green Deal, which was adopted at the end of 2019 under Commission President Ursula von der Leyen. The aim of the Green Deal is to make Europe the first climate-neutral continent by 2050. By 2030, CO₂ emissions are to be reduced by 55 % compared to 1990 levels.

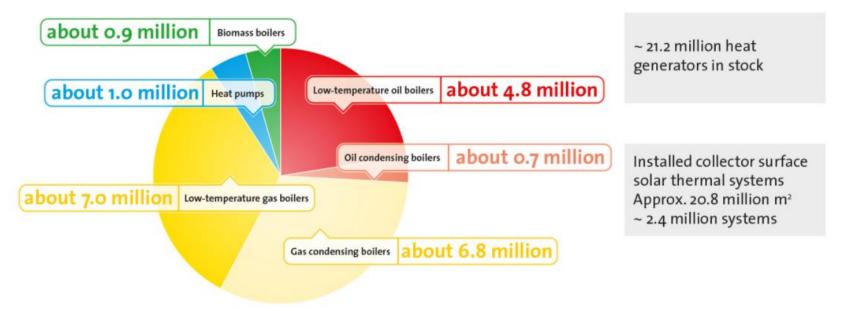






What are the objectives?

• German situation in 2020

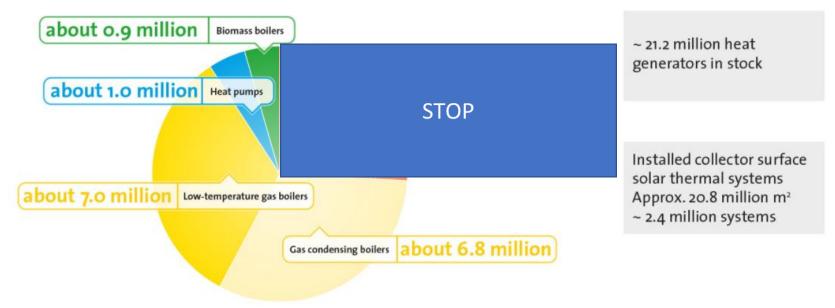


Data source: Survey by chimney sweep craftsmen 2019 and BDH estimate



What are the objectives?

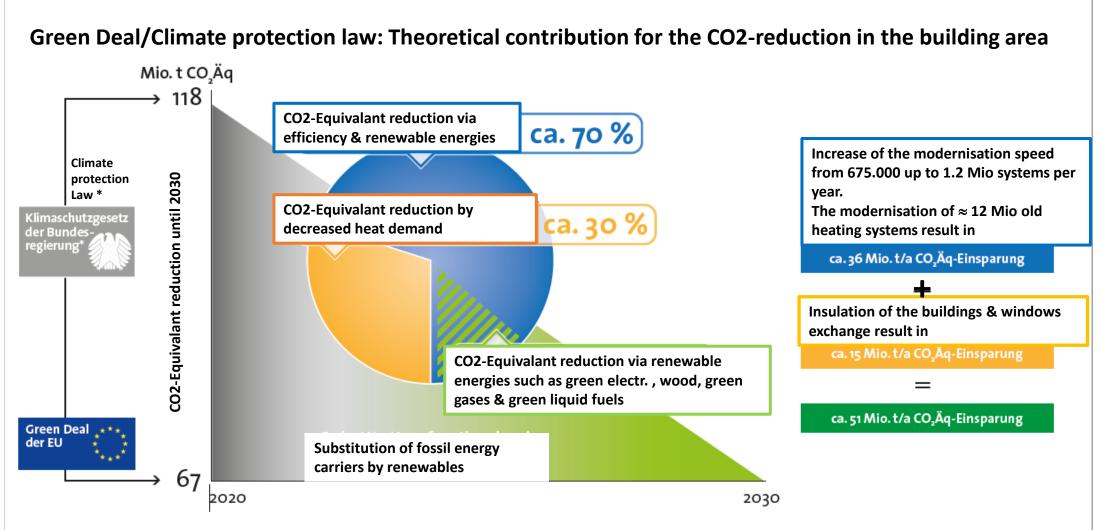
• German situation in 2020



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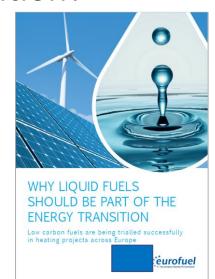
EU frame conditions Green Deal: German transformation



* Status: decision by the German Federal Cabinet by 22th May 2021, subject to the acceptance by the German Bundestag

What is the latest state of play?

- Why liquid fuels should be part of the energy transition?
- Status of the European field trial
- 1st heating season successful finalised
- Problems?

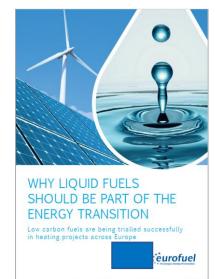






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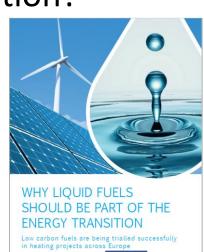


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- 1st heating season successful finalised
- Problems: not really
 - Only information from CH with UCOME: encapsulation of the nozzle
 - ightarrow elimination by a special additive
 - In DE: 1 oil pump failure (cause by ?)







eurofuel

Number and location of heating appliances with alternative fuels (incl. external projects)



