

Heat pumps: The new gold standard?

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Secretary General
European Heat Pump Association

Heat pumps are mature and used everywhere – today Special benefit, where heating and cooling is needed



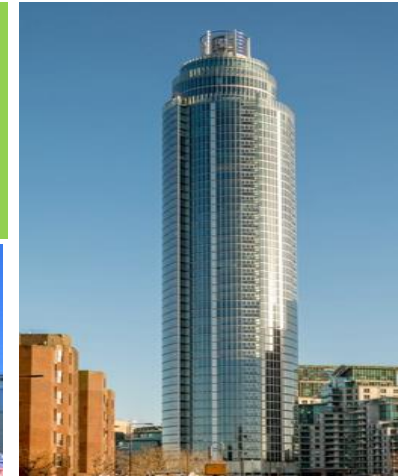
White goods &
cars

Commercial
Applications



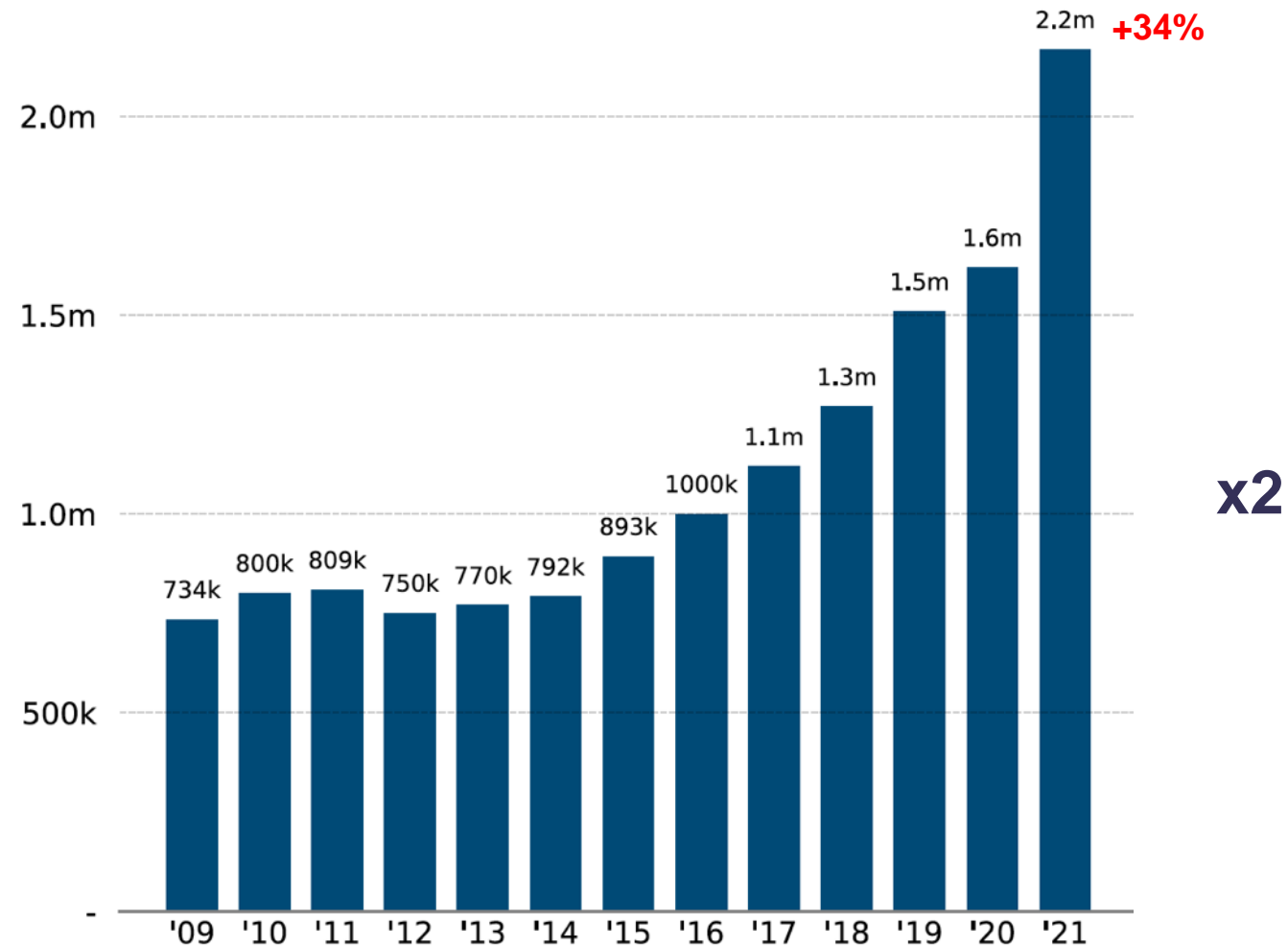
Residential
Applications

Industrial
Applications &
District Heating



Big
buildings

Heat pump sales in 21 European markets 2021: 2.2 million units | stock: 17 million



?

4,6 m

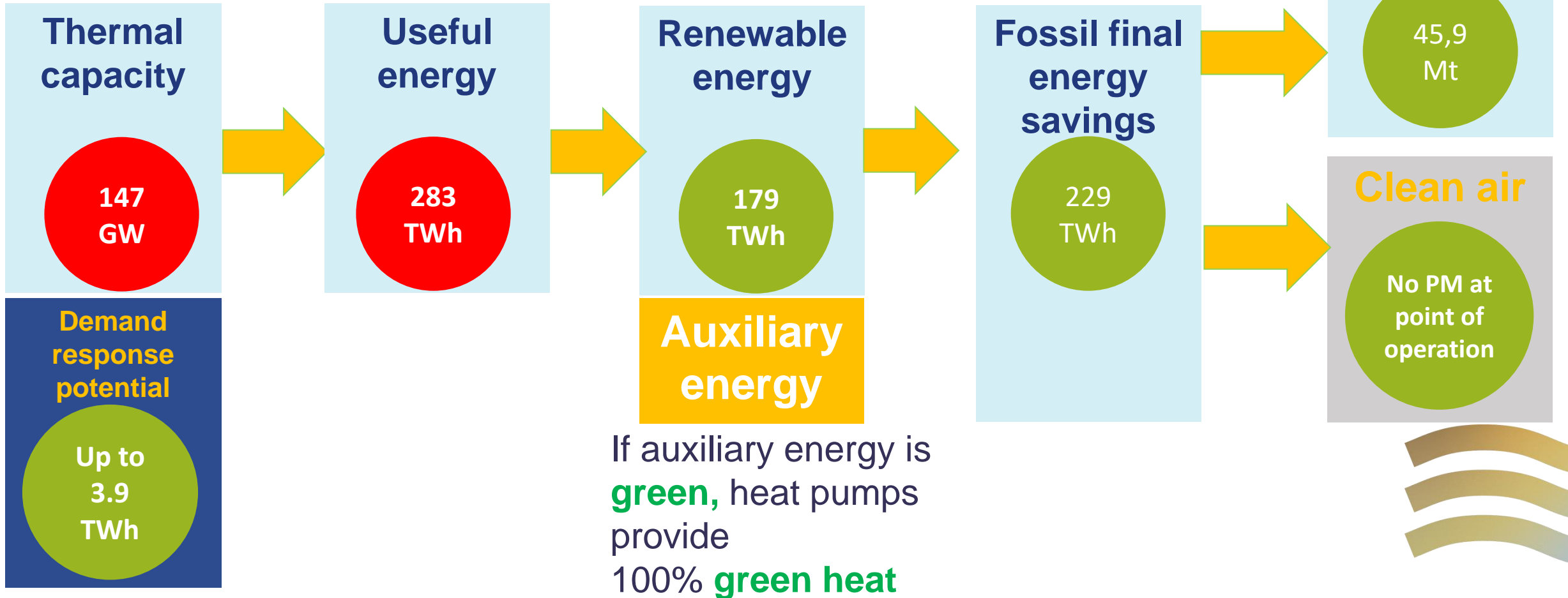
x2

2025^e



Heat pump benefits 2021

Based on 17 million heat pumps installed



Heat pump manufacturing happens across Europe

- 170+ sites
- SME based
- Often located in rural/remote areas
- Turnover of 14.5 billion €
(of which about 1.7 billion € VAT)
- 60% manufactured in Europe

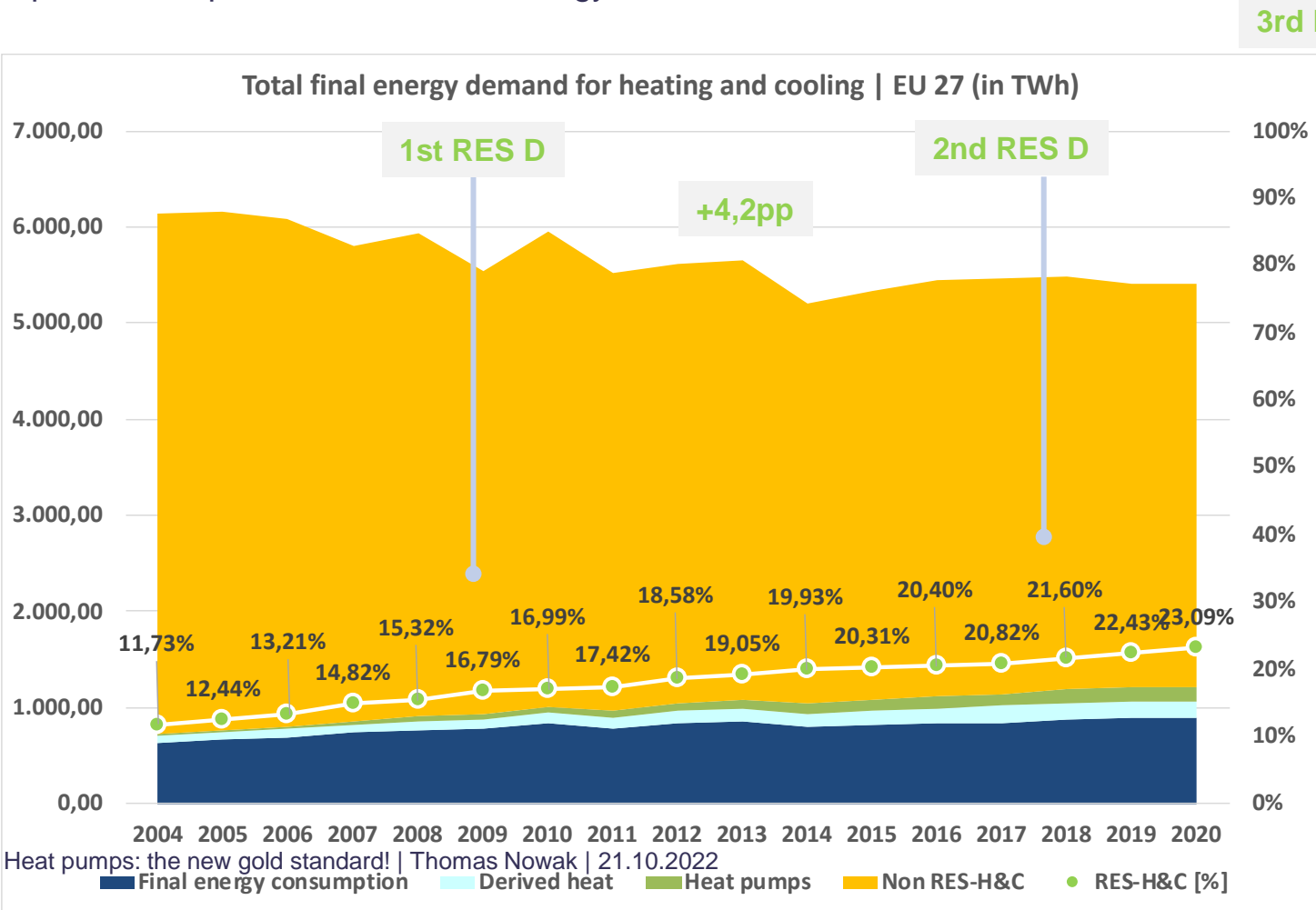
➔ Jobs: 117 000 FTE

➔ Export potential



Growth of renewable heating lacks behind EU targets

<https://ec.europa.eu/eurostat/web/energy/data/shares>



3rd RES D

< 1pp
annual increase of renewable share

2023

Source: Eurostat Shares



2022 - a tipping point for heat pumps?

- Clear recognition of all benefits of heat pumps
- **Technology is ready and trusted**
- National targets that prioritize heat pump solutions
- Technology clarity instead of technology neutrality

Heat pumps ~~dominate~~ are recognized in policy



RePowerEU
and cut our
dependence on
Russian gas



Photovoltaic
Wind
Heat pumps
Storage



#EUGreenDeal

REPowerEU: High ambition for heat pumps double-digit growth necessary throughout this decade



Time horizon of REPowerEU

Air-air HP are also replacing Fossil gas

Slight advantage for air-water HP



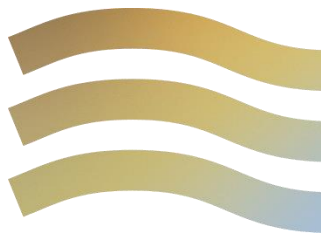
(hybrid) Heat pumps work in all buildings



Industry is preparing for growth

As of today, 3.750 million € of investment announced until 2025

Based on press releases by Daikin, Viessmann, Stiebel-Eltron, Bosch, Panasonic, Vaillant, Hoval, Ziehl-Abegg, Alfa-Laval, Grundfoss, Wilo, Kensa, Ariston, Clivet/Midea



Five points to make it happen



01

Create trust in
long term ambition

02

Make clean
heating
economically most
attractive

03

Avoid disruption
through legislation

04

Focus on skills for
the energy
transition

05

Better heat pumps
and systems
through more
R&D
and better data

... and recognize the need to upgrade of electric grids

From high ambition to concrete action

‘it needs “all hands on deck to” accelerate heat pump deployment and eliminate dependency on fossil energy.

It needs a heat pump accelerator



The European Heat Pump Association aisbl / founded 2000



173

Members

- Heat pump manufacturers
- Component manufacturers
- National associations
- Consultants
- Research & test institutes

22

countries represented

International cooperation
CECA, IEA, IEA HPC, IRENA, HPCJ

Vision

In a fully decarbonised Europe, **heat-pump technologies are the number one heating and cooling solution**, being a core enabler for a renewable, sustainable and smart energy system.