

Build a **better business** with **energy efficient products** – all you need to know about **EPBD**

The buildings where we live, sleep and work hold enormous potential in energy savings. The revised EPBD – Energy Performance of Buildings Directive – is a validation of best practice in the heating industry and is key to unlock the energy efficiency potential of our buildings and make them future proof for digitalization. All to create huge savings, more jobs and better places to live.

40%

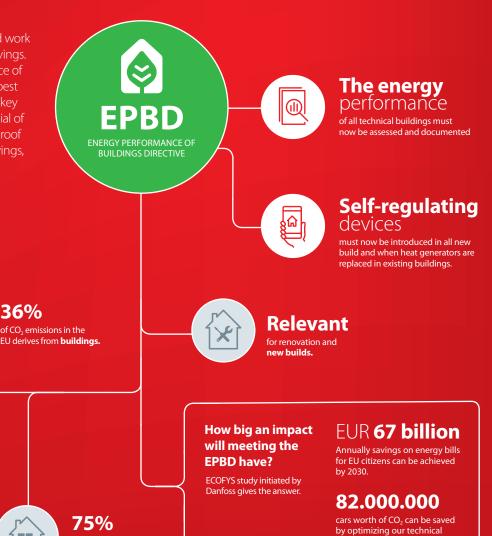
50+

of energy consumption derives from **buildings**.

35%

50 years old.

of buildings is over



EPBD in numbers.

Our 3 steps to a successful EPBD implementation

of building stock in Europe is **energy inefficient.**



STEP

Introduce a more effective framework for heating, cooling and ventilation systems



STEP

Help people and businesses to control indoor temperature and comfort in homes and offices



building systems.

STEP 3

Use smart energy monitoring and automated control systems to match actual needs with expected energy performance





48 - 69%

of the total home **energy use** in EU homes accounts to **heating**



500 million

radiators in EU homes are still fitted with uncontrolled radiator valves



250 million

radiators in EU homes with TRV's older than 20 years

Danfoss solutions help you become EPBD compliant

With the revised EPBD (2018/844/EU), EU countries will have to establish stronger long-term renovation strategies, aiming at decarbonizing the national building stocks by 2050. To achieve the ambitious goals, a number of provisions have been introduced.



Mandatory installation of selfregulating room temperature regulation devices in new buildings or when heat generators are replaced.

New EPBD, Art. 8(1), 3rd subparagraph



Performance optimization and documentation of heating, hot water, cooling, ventilation systems.

New EPBD Art 8(1) and 8(9)



Electronic monitoring that measures systems' efficiency and effective control functionalities as alternative to inspections in MFH>70 kW.

New EPBD Art. 14(5), 14(6) and 15(5), 15(6)





Danfoss Radiator Valves and Thermostats

The range of market-leading Danfoss TRVs offer a wide range of benefits and help users comply with the new legislation:

- Achieve the desired temperature in each room with automatically distribution of heated water based on actual needs
- Maintain the desired room temperatures room by room thanks to the self-regulating function
- Minimize energy use by responding to internal and external heat load



Danfoss **Smart Heating**

Exploit the latest technology to improve heating efficiency:

- Full control of radiator and underfloor heating via smartphone
- Higher level of comfort and energy efficiency by adapting room temperature to daily schedule



For more information, ask your local provider or visit Danfoss.com

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