



ENGINEERING
TOMORROW



Buildings in the energy transition: How supermarkets can become active players in the energy system

Susanne Tull, EU Public Affairs, Danfoss District Energy



Connecting heating & cooling

- Supermarkets account for **~2% of electricity** consumption in Europe
- Alone in Poland, there are more than **17.000** supermarkets
- Potential to save **2.6 Mtoe** and **1.8b EUR** per year in Europe

Your local supermarket

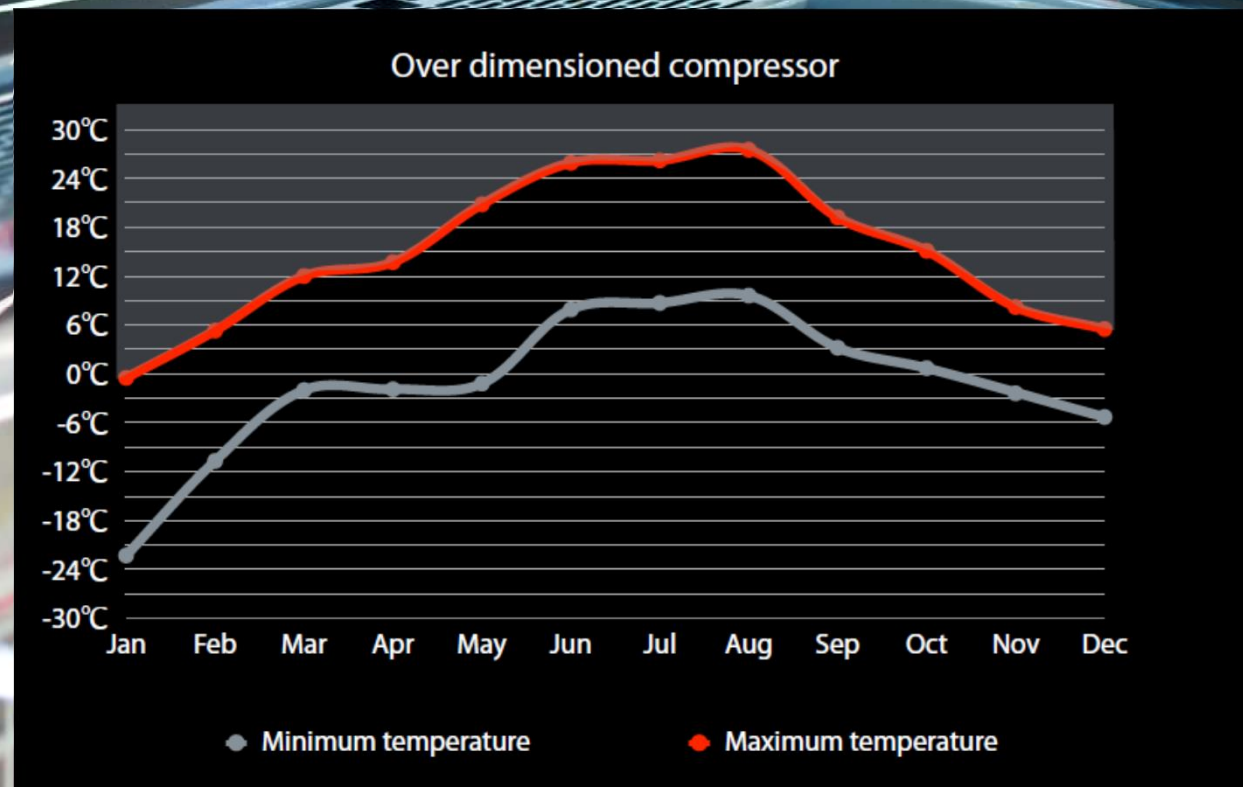
**1-3
years**

Payback
time

- **12 000 EUR/y** savings on energy bill
- **90%** savings on heating bill
- Heat for supermarket and offices + **15** households

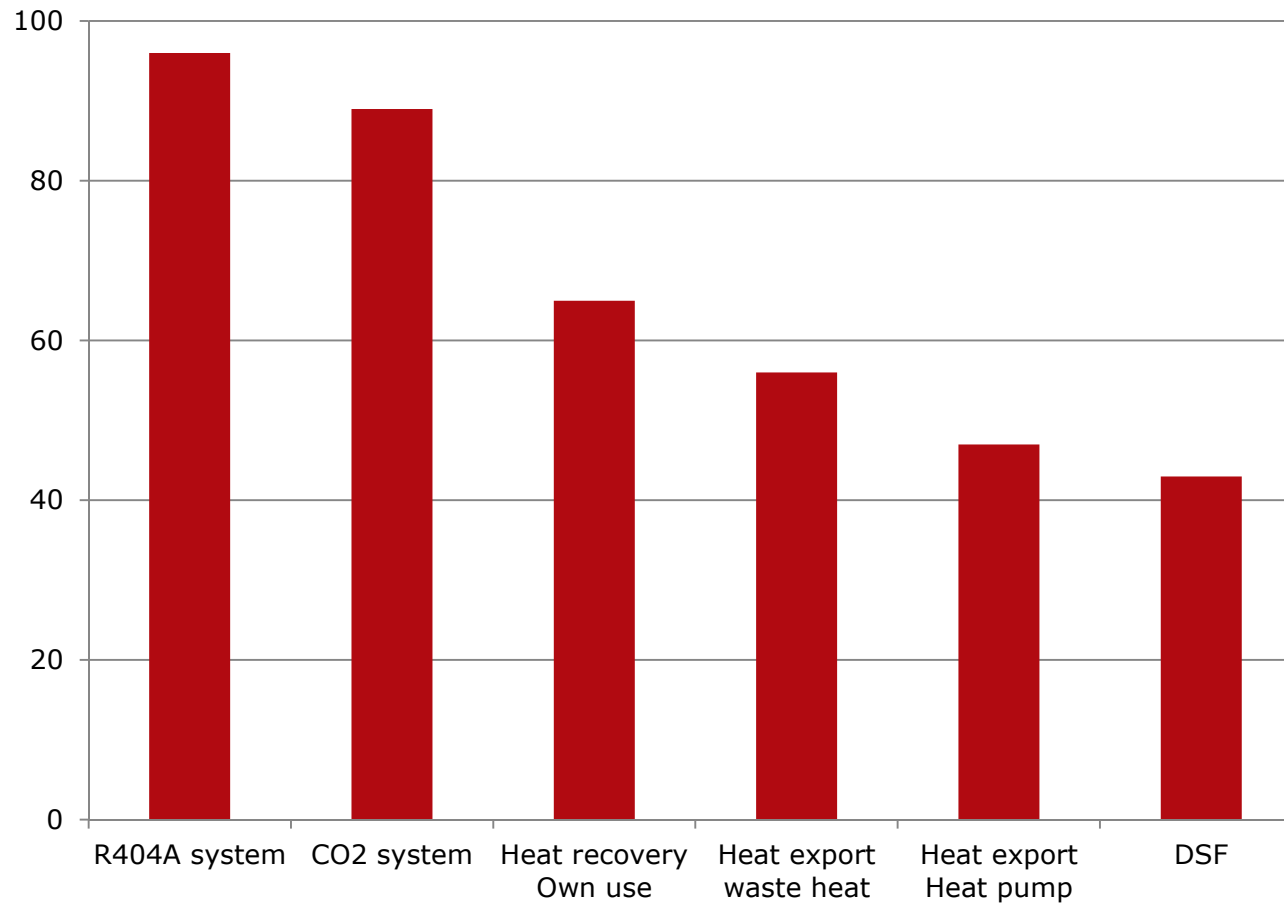
**SuperBrugsen in
Augustenborg, Denmark**

Supermarket building design for hottest day



70%
Of installed
compressor
capacity is
not used on
average

Energy running cost



Supermarket (Denmark)
1100 m²
160 kw cooling capacity

Electricity : 0,14 € / kWh
Gas : 1,40 € / m³



ENGINEERING
TOMORROW