

INTREPIDH webinar#6

**21.05.2026
09.00 CET**

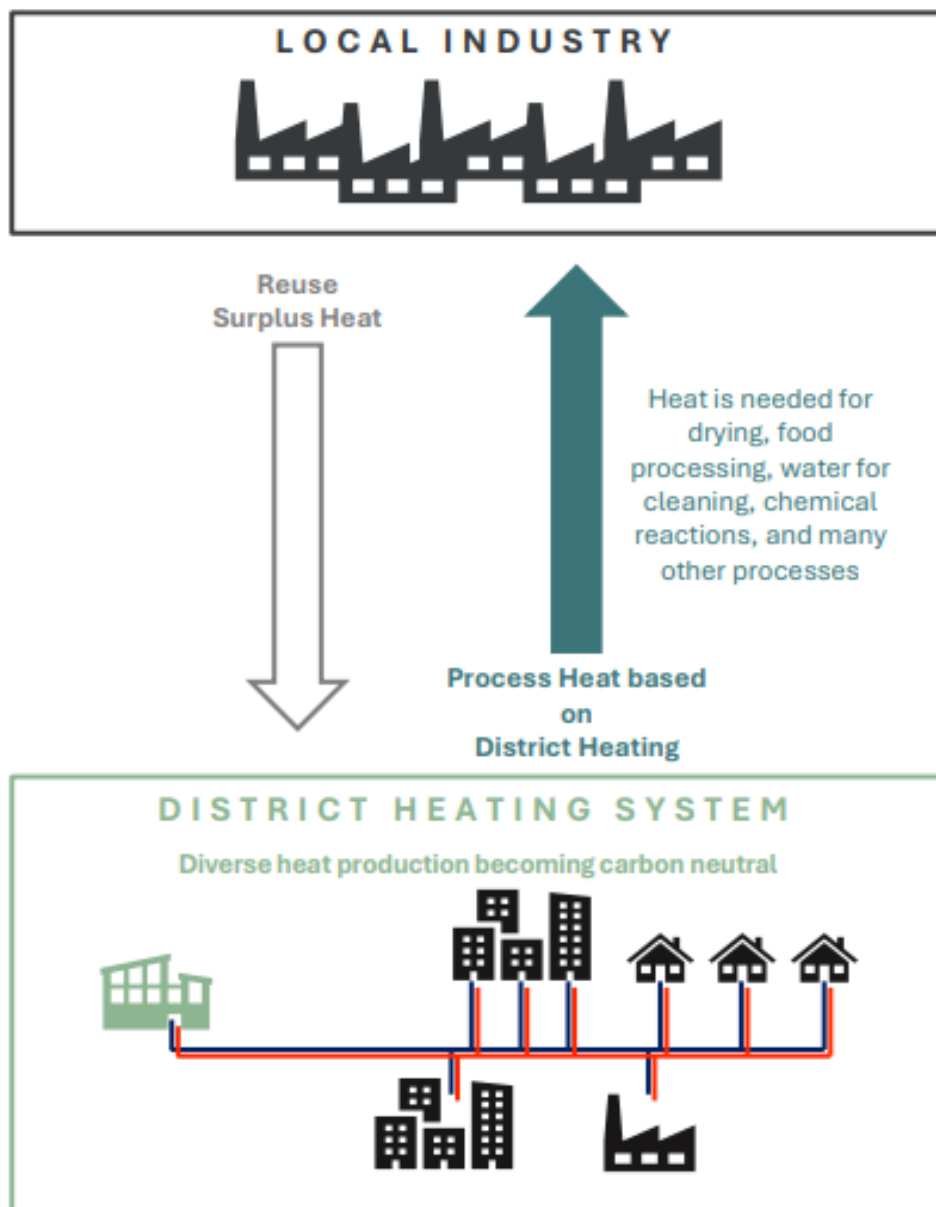
6. Quantify the benefits with techno-economic analyses

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It is possible to model and quantify the economic and environmental impact of different technical solutions. Guests from the RAPIDH project explain how modelling supports investment decisions in both industry and DH companies, and how to get far even when the available data is limited.

- **Introduction to the RAPIDH project,**
 - *Hanne Kortegaard Støchkel, DBDH*
- **Model-based analyses to support investment decisions to reduce costs and carbon emissions,**
 - *Linn Laurberg Jensen, EMD International*
- **Practical examples - how to analyse and compare different solutions,**
 - *Mathias Terp Munck, Artelia Group*





Two things are needed:

- Raise awareness (INTREPIDH project)
- Analysis tools to reach investment decisions (RAPIDH project)

Read new article →



RAPIDH

Better and faster decisions from improved model-based analyses. Relevant for industry, DH, and regulation.

- Develop tool (energyPRO model fra EMD) and methods (Artelia)
- Test on cases in DK and DE
- **Demonstrate that benefits can be quantified and alternative solutions compared.**
- **Demonstrate that combining PI and DH is worth considering**

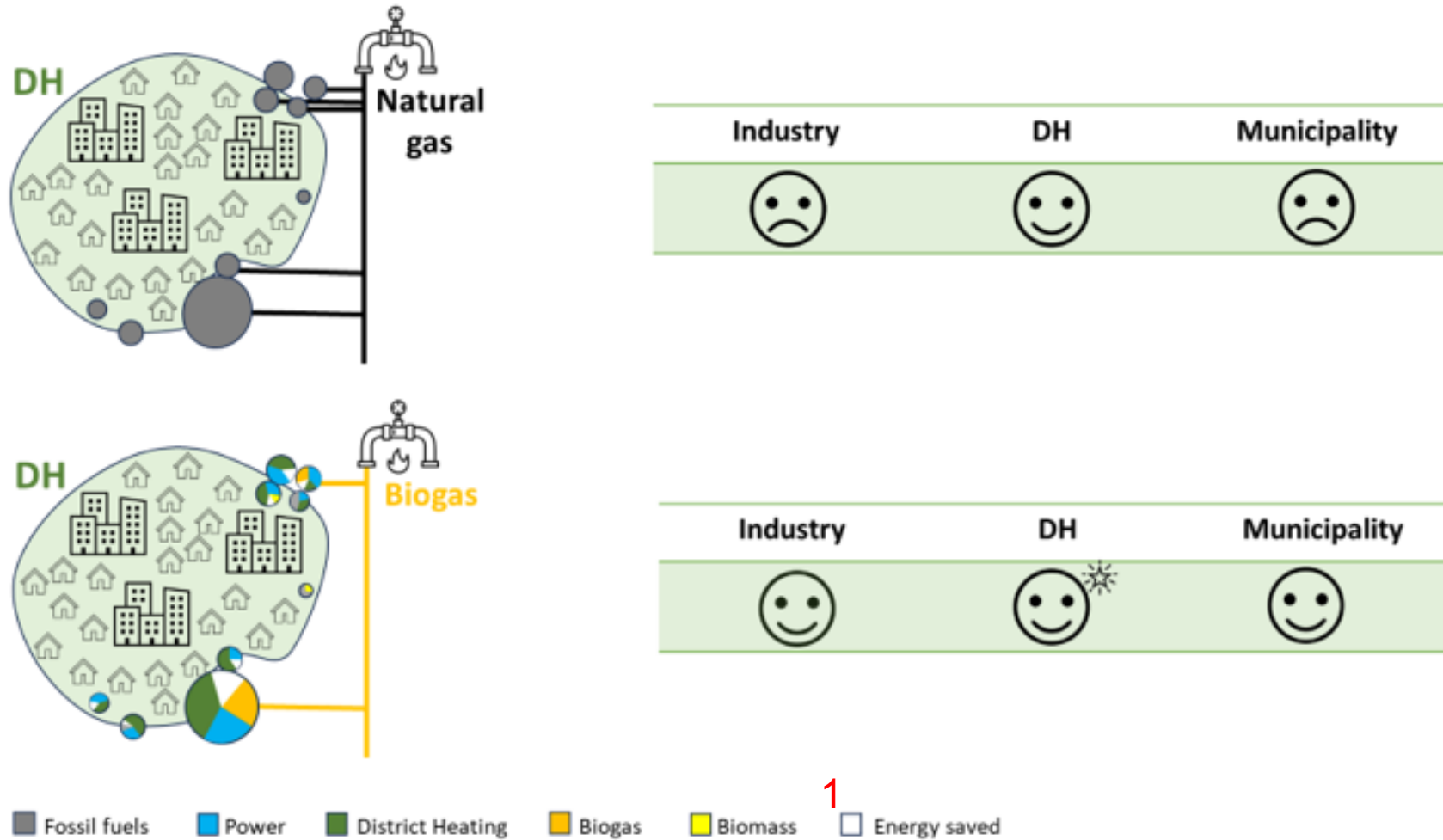


Figure 1: Illustration of difference between industrial processes based on fossil fuels and industrial processes based on a mix of different low- or zero-emission solutions. At the top: A city with heating based on DH and industrial processes based on fossil fuels. Below: Same city with industrial companies in the process of transitioning and reducing their carbon emissions as they reduce their fossil energy consumption by ²using different combinations of power, local DH, biogas, and certified biomass. Existing DH-customers will benefit from lower prices and a more robust system.

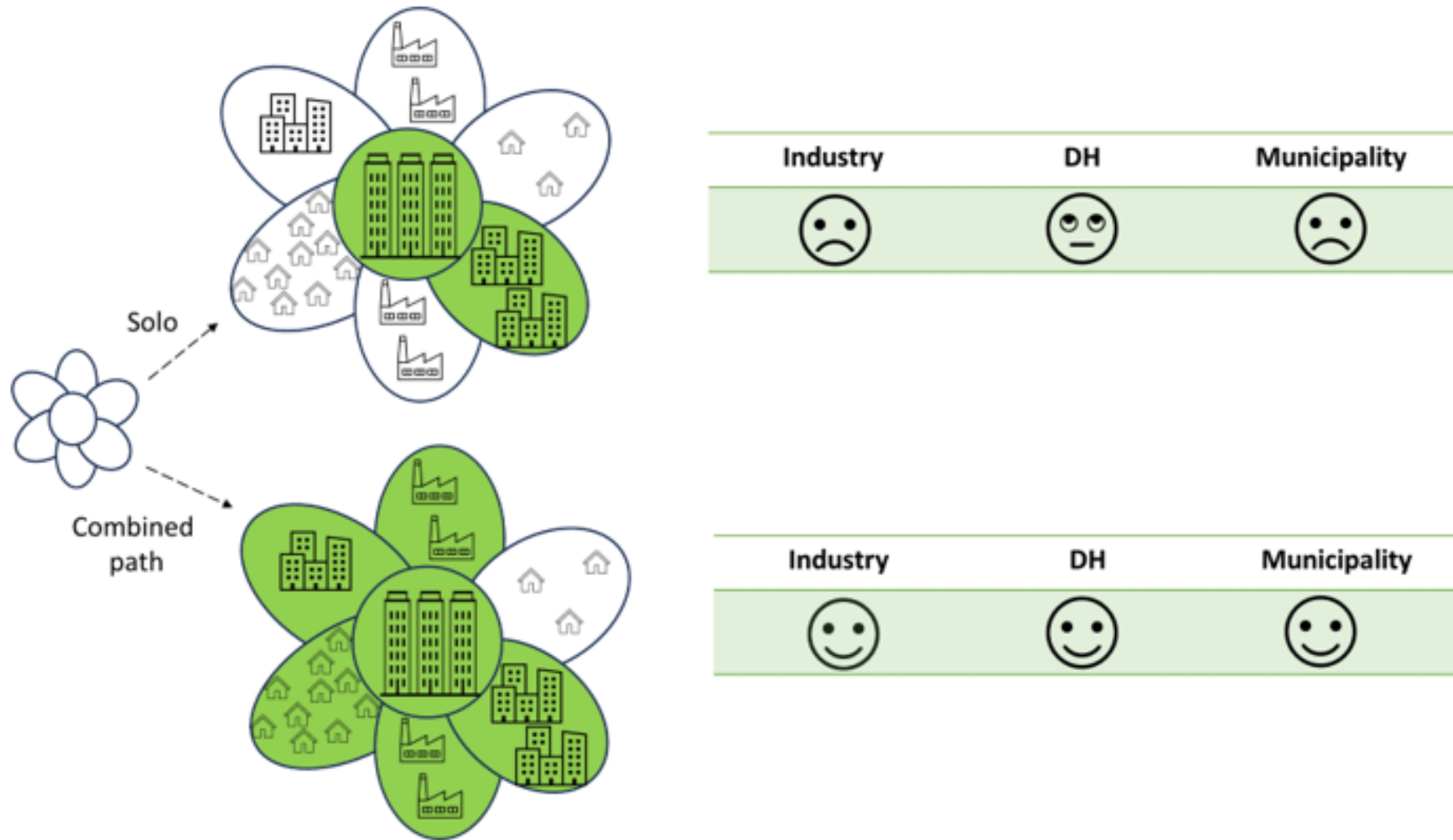


Figure 3. Example: A city needs to make both buildings and businesses carbon neutral. If the city applies a narrow approach, perhaps only the most favourable buildings will be converted to DH (top). **With a broader approach, spanning the whole city including industrial areas,** a larger proportion of the city can proceed with a carbon neutral transition. This could also have been illustrated as a city with a small DH system, where the city needs to transition the rest of the city.