



energyPRO



Use Case: Heat Network and Transmission Lines

With growing need of a flexible electricity and heat supply, you might consider connecting additional energy systems to an existing one.

In this session you will learn to model heat transmission lines between different sites in energyPRO using the new improved REGION module, which now includes a hydraulic model that keeps track of flow and pressure drops across the transmission pipes depending on the pipe characteristics and operational constraints.

Through examples, it is shown how to design and analyze the investment in a new heat transmission line that connects a new area to the existing district heating grid.

Focus areas:

- REGION
- Sizing of heat transmission line (OPEX vs CAPEX)
- Expanding district heating area (converting individual heating)

Please note that the participation in this session requires either participation in the introductory session or experience in working with energyPRO!



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