

DAS ENERGIEREFERAT - Municipal Energy Agency

1st City-to-City Event IUC Introduction City of Frankfurt

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City of Frankfurt:

Challenges:

Sustainable urban development for a fast growing population and economy

- population: 736.222
- area: 248,3 km²
- GIP: 65 billion € / 76 billion \$



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Targets:

100 % renewables by 2050

50 % reduction of energy consumption by 2050



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50 % of the renewables-based efficient energy supply will be provided from within the city of Frankfurt itself

50 % of the energy needed will be delivered by renewables from the surrounding Rhein Main region



Challenge – Expanding renewables

- Potential of waste, biomass and water is already being used to a large extent
- Few open spaces left in the city
- Greatest potential: reduction of energy consumption



One approach – Energy Concepts

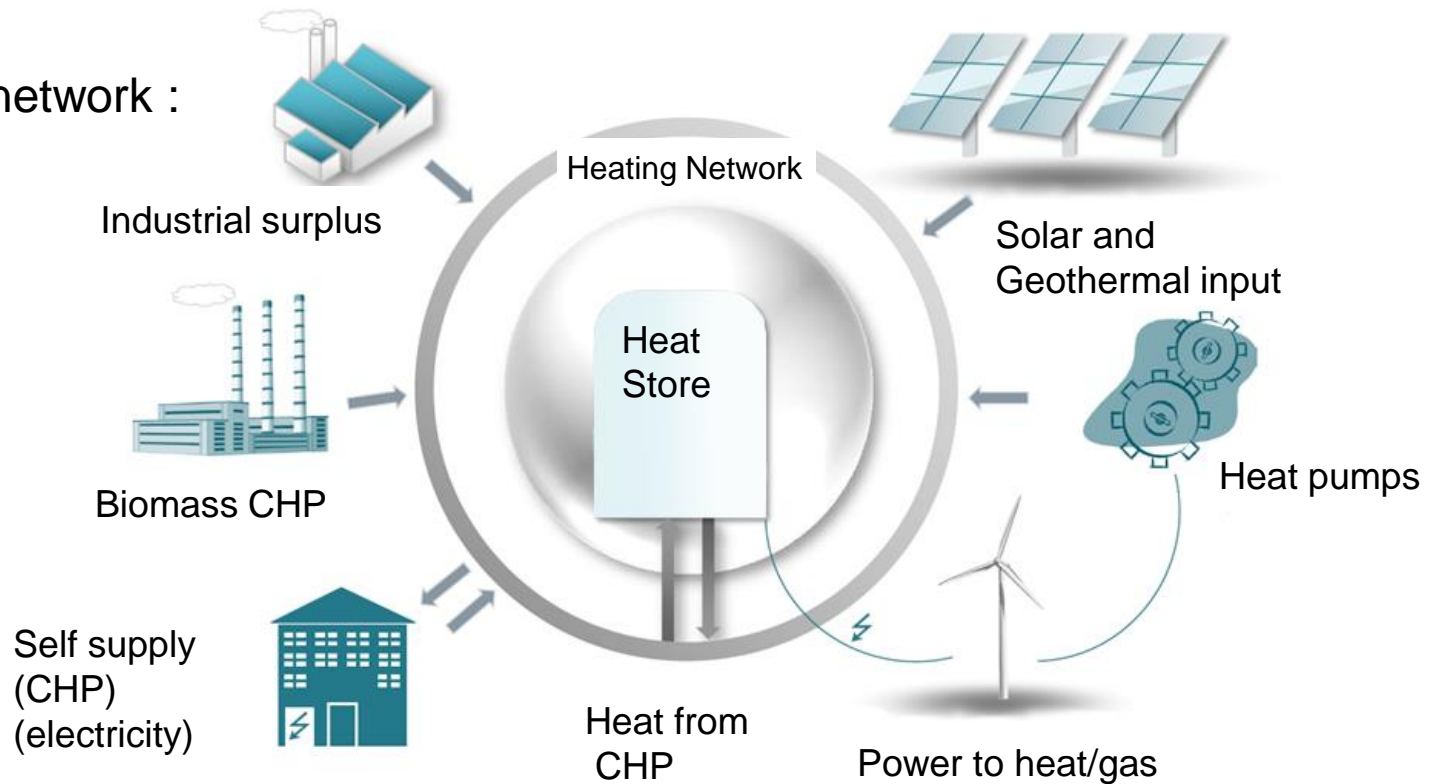
- Development of energy concepts for existing residential area and new areas
- Determine the best suitable energy systems for the area concerning the climate targets of 2050
- Involvement of the local stakeholders
- Introduction of local climate managers as contact persons and energy advisors

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Vision of district heating in Frankfurt

One aspect of energy concepts

Open heating network :

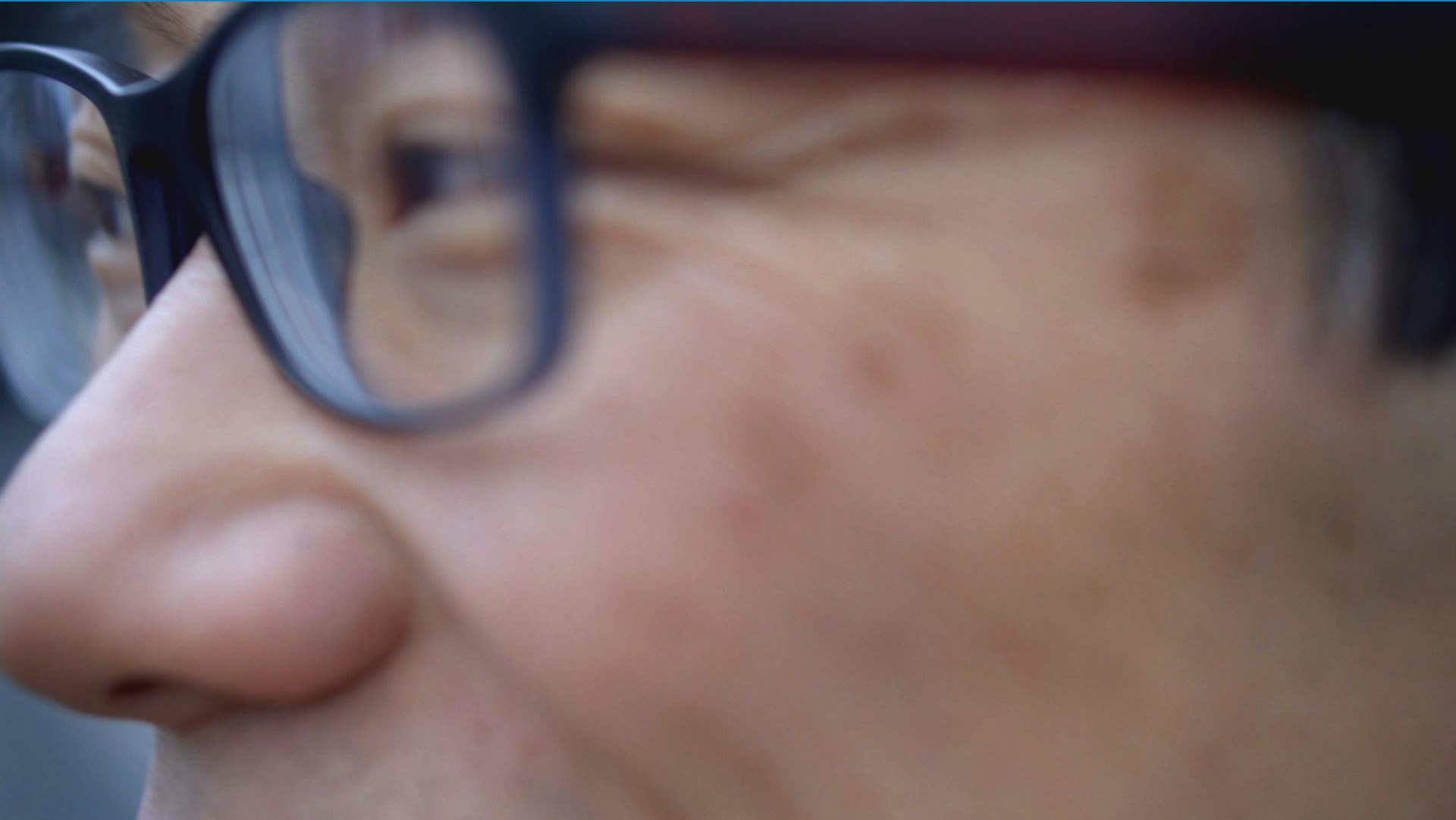


It is time for a transformation

We, as a society, need to rethink the way we use energy and create a better awareness of climate protection



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We want to learn from our cooperation partner

- development strategies for climate action plans
- new mobility concepts based on hydrogen
- smart cities and energy management systems



Together we can change the world.

Thank you for your attention



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