

Helen in brief

Number of employees Net sales of the in the Helen Group

Helen Group in 2020

992

1054 EUR mill.

Total of

Total of

1,399 km

6,200

of district heating network

of electricity network

In Helsinki, our security of electricity supply is among the best in the world:

99.9%

HELEN

We offer world-class expertise

We produce district heat, district cooling, electricity and services for microgeneration of energy, electric traffic and more efficient energy use.

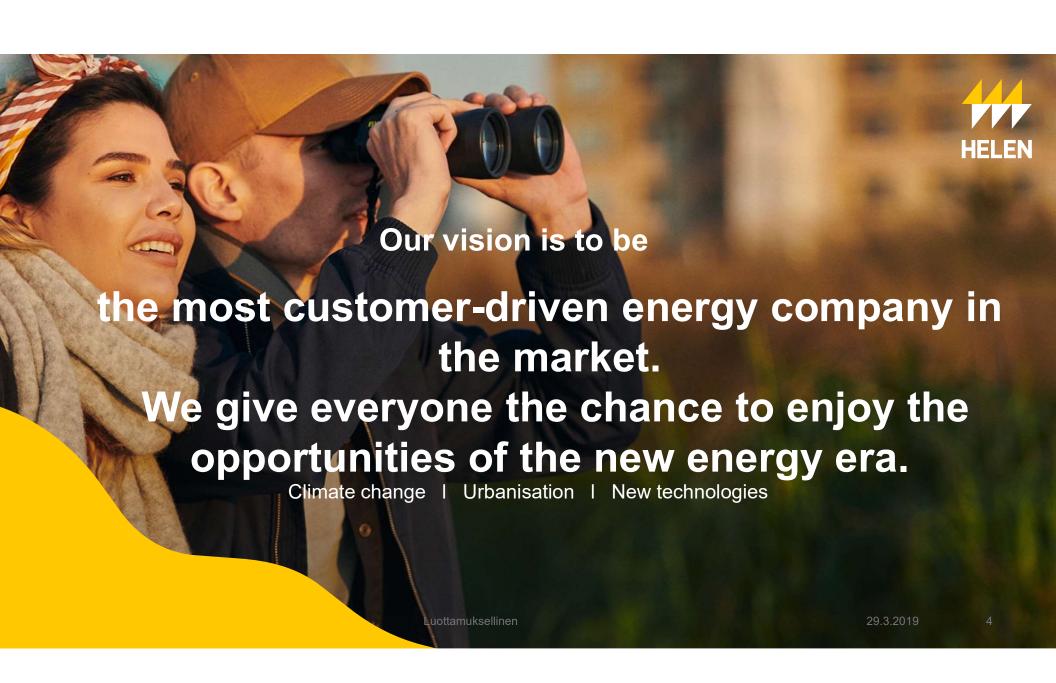
Helen is carbon neutral by 2035

Over a hundred years of urban energy

The electricity company of the City of Helsinki was established in 1909 in order to create a safer and more environmentally friendly way to produce energy in a smoky city.









Towards carbon-neutral energy production

Helen has succeeded in its role as a trailblazer throughout its existence. It is constantly seeking and piloting new energy solutions. We aim for a carbon-neutral, cost-effective and reliable energy system.

1

Carbon-dioxide emissions are reduced by 40%

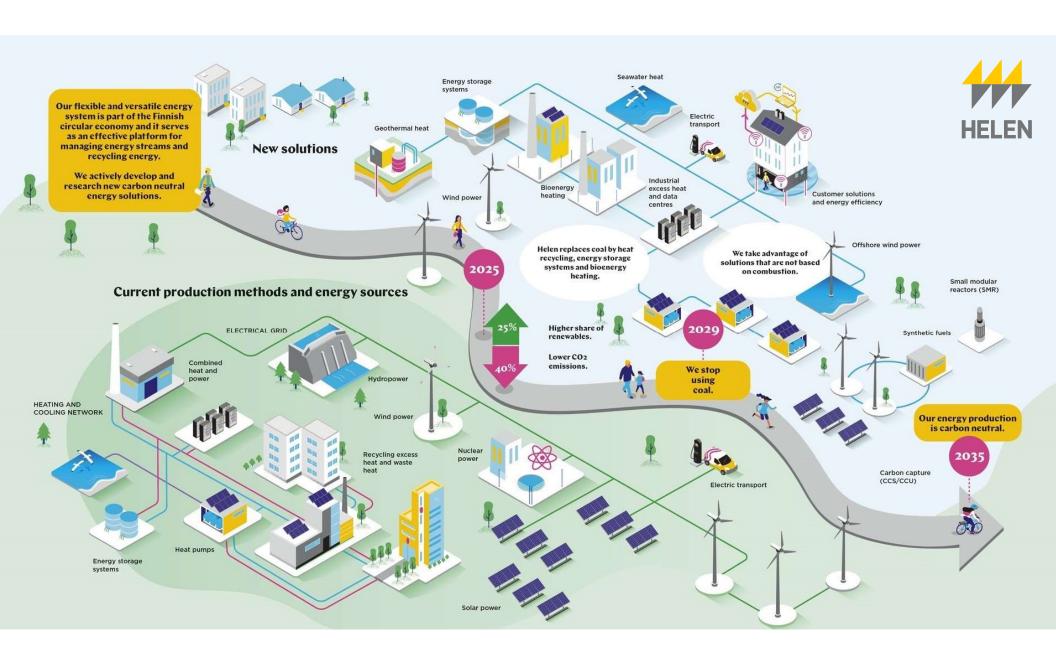
The amount of renewable energy is increased by 25%

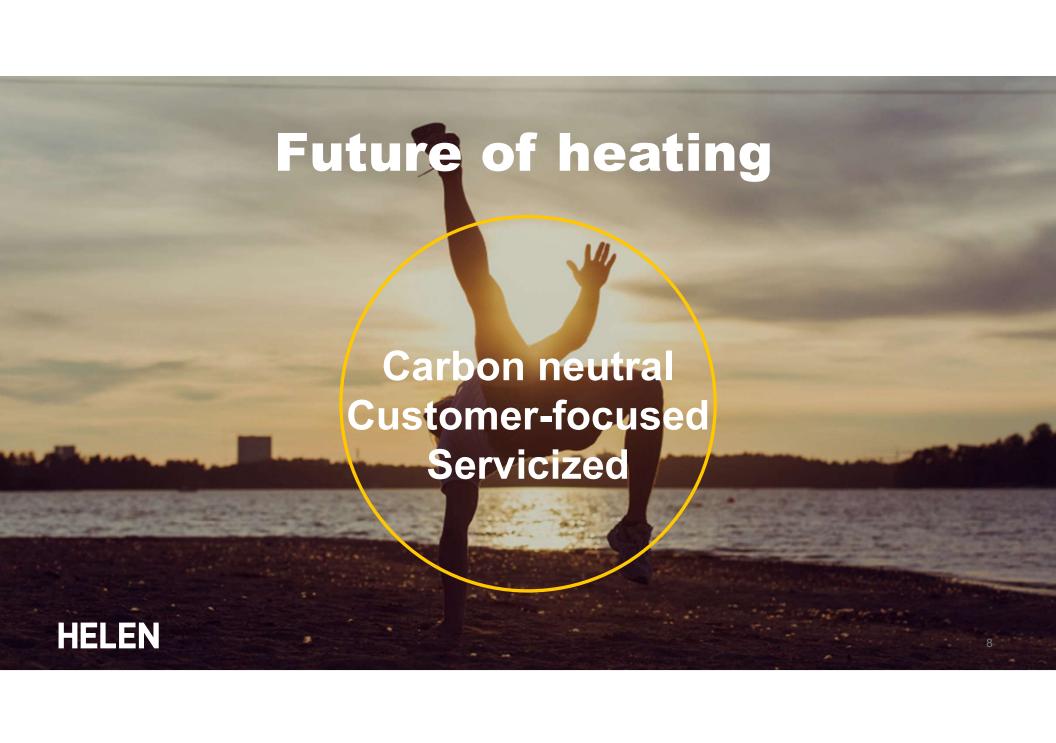
The use of coal is halved by 2025 – Hanasaari power plant is decomissioned.

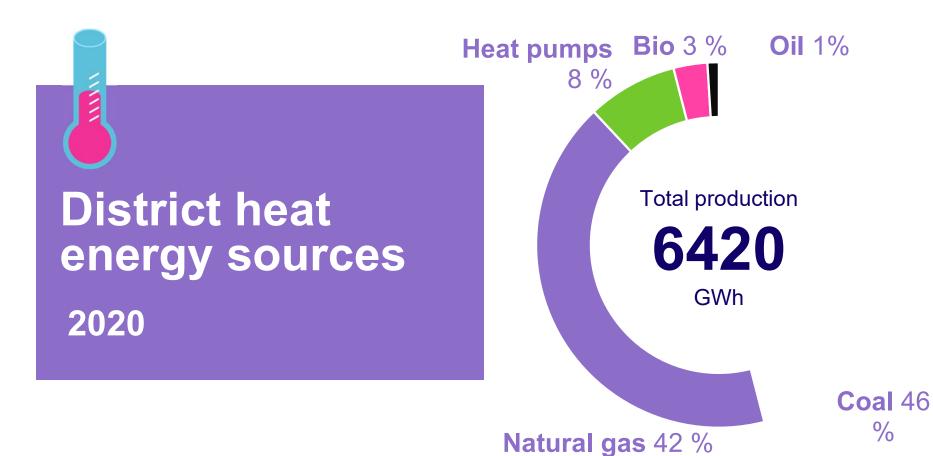
2

The use of coal is phased out by 2029. Solutions that are not based on combustion are sought for Salmisaari.

Carbon-neutral energy production in 2035



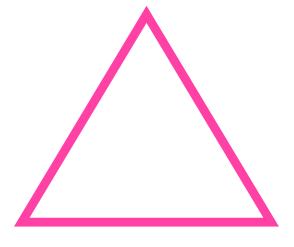






CHALLENGE: BALANCING THE ENERGY TRILEMMA

Environmental Sustainability



Energy Equity, €€

Energy Security

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2030 majority of heat is produced with electricity

Heat production in 2020

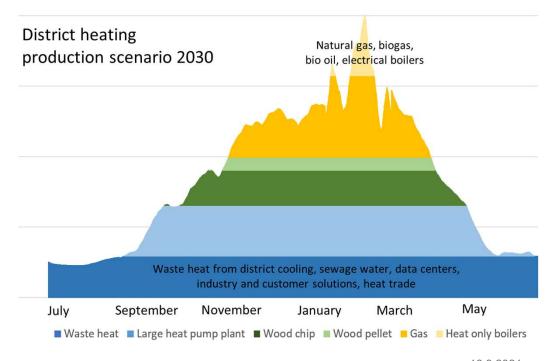
- Sewage water
- Building waste heat
- Data centers
- Industrial waste heat

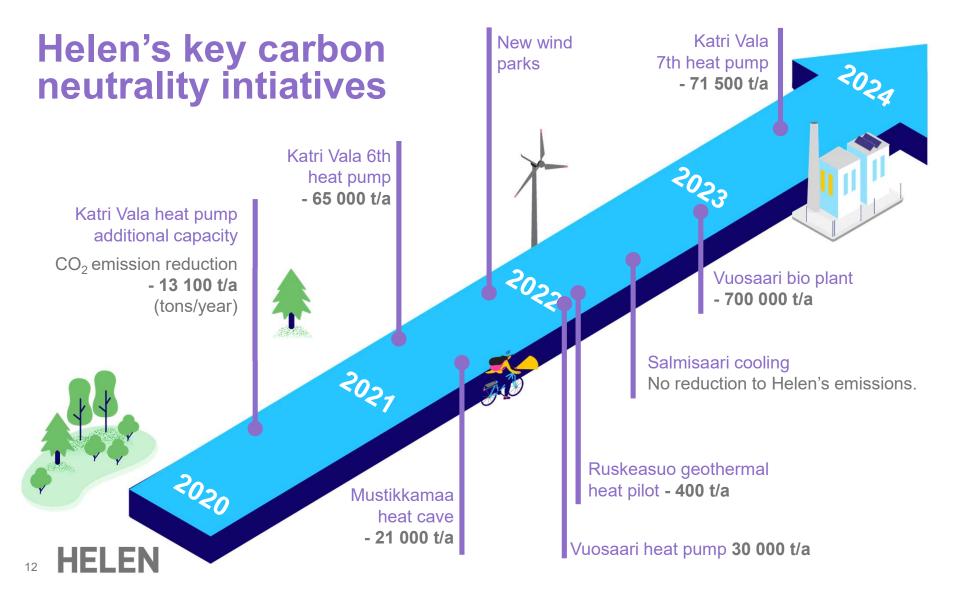
Heat production 2030

- Sea water
- Industrial waste heat
- Geothermal heat

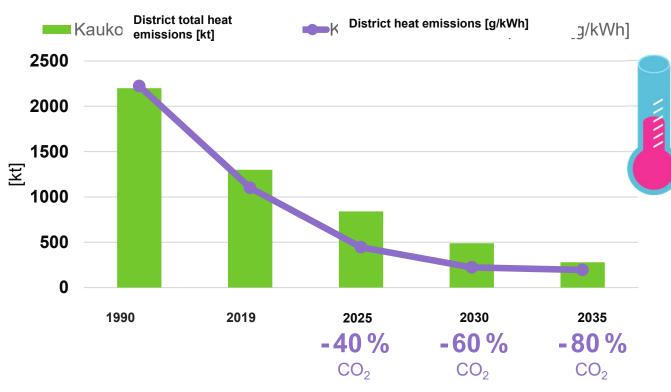
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Production scenario in 2030





Path to carbon neutral heat production

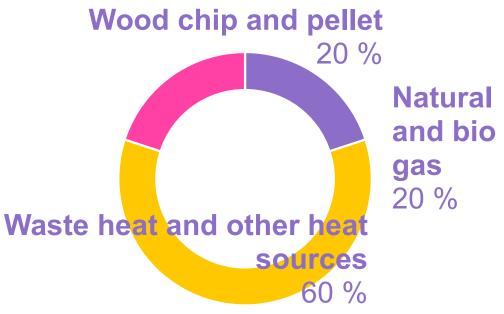


How?

- CO₂-free production
- Heat storage
- Optimizing production and consumption
- Energy efficiency
- Customer solutions







HELEN

Helen Ventures

Our investment focus



"We seek to partner with innovative startups and entrepreneurs renewing the energy sector."

- E-mobility
- Renewable energy technology
- Smart energy solutions
- Distributed energy solutions
- Circular economy and decarbonisation
- Digital solutions applicable to energy sector

Helen Ventures portfolio













