

An aerial, black and white photograph of the New York City skyline, showing a dense cluster of skyscrapers and buildings along the coast, with the Hudson River and East River visible. The image is used as a background for the award announcement.

3<sup>RD</sup> GLOBAL  
DISTRICT  
ENERGY  
CLIMATE  
AWARDS

September 23 , 2013 | New York City

# Award of Excellence:

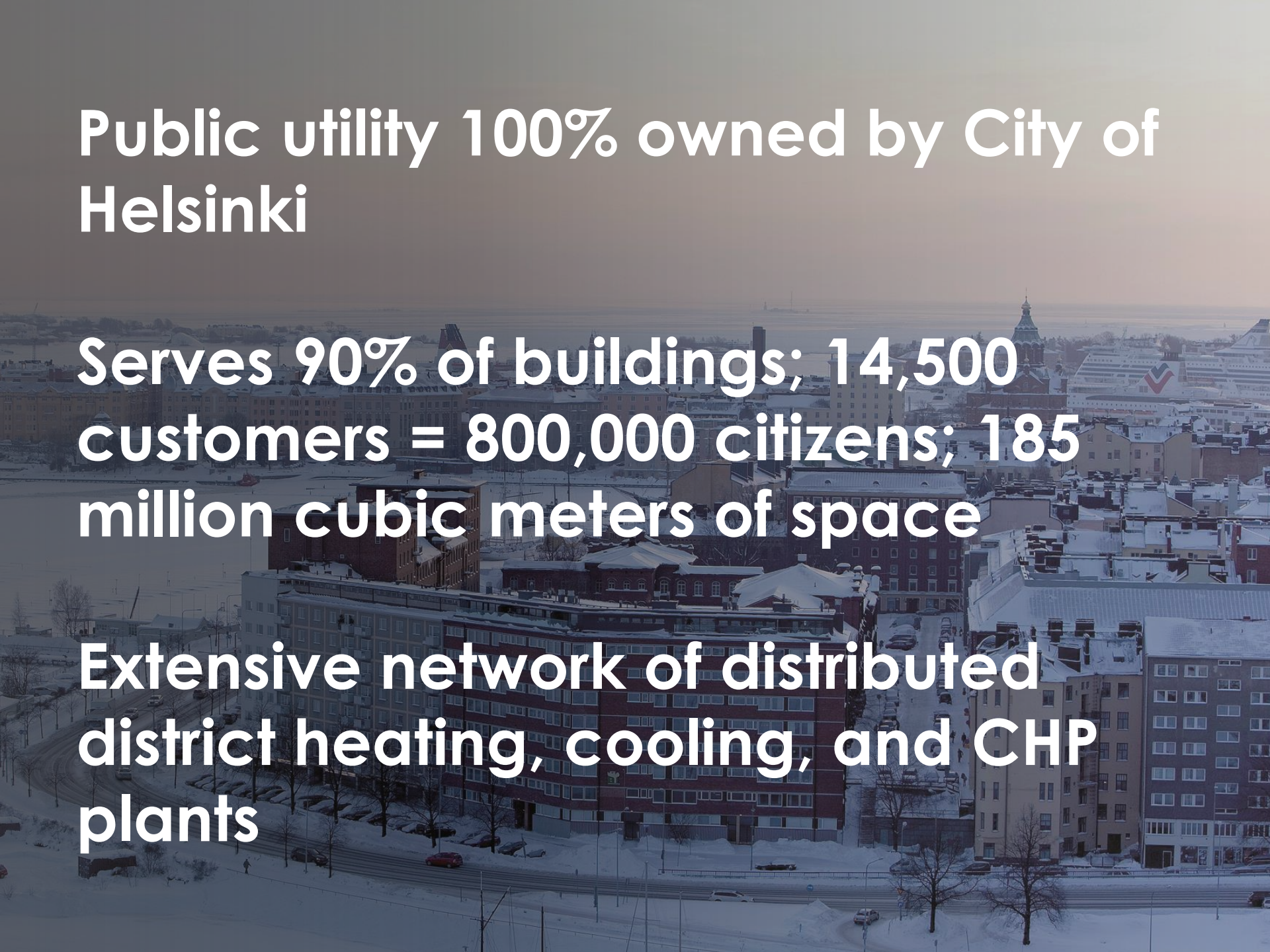
Municipal scheme serving  
more than 10,000 citizens –  
Expansion



# HELSINKI FINLAND







**Public utility 100% owned by City of Helsinki**

**Serves 90% of buildings; 14,500 customers = 800,000 citizens; 185 million cubic meters of space**

**Extensive network of distributed district heating, cooling, and CHP plants**





**Integrates cold sea water, waste energy, heat recovery, solar energy**

**93% heat from CHP; overall fuel efficiency of 90%**

**Energy production of the system is increasing while CO<sub>2</sub> emissions are falling**



A photograph of an industrial facility, likely a district cooling plant. The scene is filled with large, complex machinery. In the foreground, there's a large blue machine with a white control panel labeled 'FRIO THERM' and 'TB-B'. Behind it, a massive horizontal pipe runs across the frame. The background shows more pipes, valves, and structural elements of the plant, all under bright industrial lighting.

**Continuous optimization of customer operations with monitoring, reporting, and analysis**

**Annual customer growth 15-20 MW**

**Vast underground thermal storage network**

**More than 80% of district cooling from sources otherwise not utilized**



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# AWARD OF EXCELLENCE

Municipal Scheme Serving More Than 10,000 Citizens: Expansion

Awarded to **Helsingin Energia** 

September 23, 2013 | New York City, NY



HELSINGIN  
ENERGIA



HELSINKI



This is to certify that **Helsingin Energia** has been officially recognized by a team of international experts chaired by the International Energy Agency (IEA) Technology Network, for its outstanding achievement in demonstrating local District Energy leadership in providing clean, sustainable energy solutions to protect against the risk of climate change.



Robert Thornton  
President & CEO, IDEA



Robin Wiltshire, Technical Director, BRE  
Chair, IEA Implementing Agreement  
on District Heating & Cooling



Frederic Hug  
President, Euroheat & Power