



Helsinki green electricity



LIQUID/AIR COOLING

ON GRID/HYBRID

PROTECTION IP54/IP55

BATTERY /6000 CYCLES





Overview

Helsinki's energy platform combines clean electricity, a reliable electricity network and flexible district heating with low-emission customer solutions. One of its most ambitious projects, Hot Heart, is reshaping the way cities can harness renewable energy to combat climate change while maintaining economic feasibility and urban. The goal of Helsinki City Strategy 2021-2025 is to create a carbon-neutral Helsinki by 2030. Significant progress has already been made with continuous climate work. In 2023, Helsinki's emissions were 45 percent smaller than those in 1990, even though the number of residents had increased by more. Helsinki is aiming at carbon neutrality by 2030, net zero by 2040, and then carbon negativity, which means that the CO₂ emissions generated in the area must be less than the area's capacity to store carbon dioxide. Using renewable energy can help to reduce energy.



Helsinki green electricity



Striving for carbon neutrality, Helsinki has renewable energy in focus

Achieving the goal will necessitate significant investments in renewable energy, building energy efficiency, low-emission transportation, and emission-free energy production. The Finnish capital's ...



What's up with clean energy in Finland?

Already, nearly 95% of its electricity comes from carbon-neutral sources, led by nuclear power. In 2023, Finland opened its fifth nuclear power plant; nuclear now provides close to 40% of ...

[Finland is taking charge of the green transition](#)

Helsinki's energy utility, Helen, has decided to invest in developing the city's first green hydrogen plant to serve heavy-duty transport around Vuosaari Harbour. Helsinki and Tornio are emerging as important ...



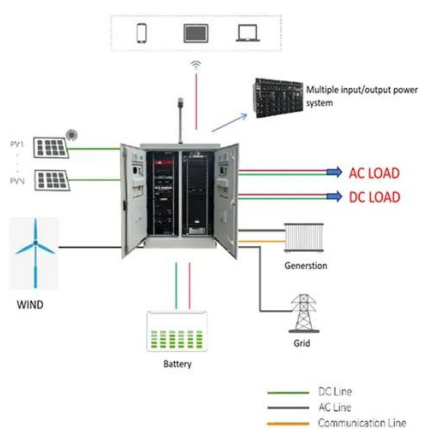
Carbon neutrality programme

Helsinki's energy platform combines clean electricity, a reliable electricity network and flexible district heating with low-emission customer solutions. The flexibility of Helen's district heating system and ...



Making Helsinki carbon neutral

The development programme of Helen Ltd, the energy company owned by the City, is responsible for emission reductions in energy production. Reducing the emissions from electricity ...



[Helsinki's Bold Leap into Green Hydrogen: A Game Changer for the ...](#)

Helsinki's green hydrogen project is more than a local initiative; it's a beacon for the world, highlighting the viability and importance of renewable energy solutions.



Climate

At the end of 2023, Helen Ltd published a strategy that puts green transition, flexibility and profitability at its core. Helen Ltd's goal is carbon-neutral energy production by 2030, and the use of coal will also ...

Top 5 Green Energy startups in Helsinki



Synergi is on a mission to make electricity consumption smart and controllable for households, giving Europeans more power over their energy bills and emission output and balancing ...

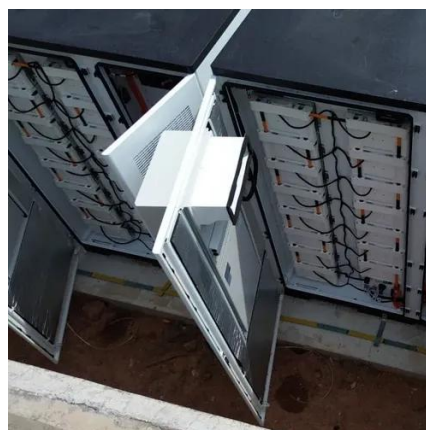


[Hot Heart of Helsinki: A Groundbreaking Case Study in Renewable ...](#)

Helsinki's Hot Heart project combines cutting-edge renewable energy solutions with innovative urban design, paving the way for a carbon-neutral future while redefining the role of ...

[Ports are electrifying fast , Port of Helsinki](#)

We reached an important milestone in early 2025, when the Port of Helsinki achieved its own carbon neutrality target. Our carbon neutrality programme has included a whole host of ...





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