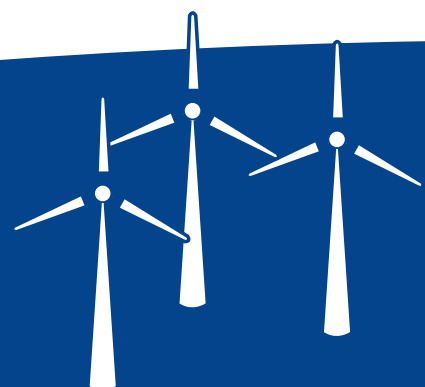


Case Study

How the **City of Dordrecht** is preparing for the Netherlands' first energy neutral business parks with **energy planning and flexibility solutions**

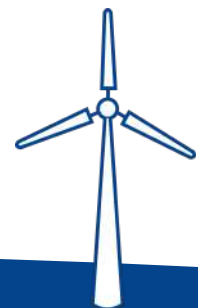
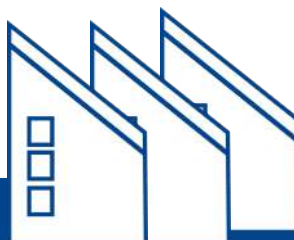
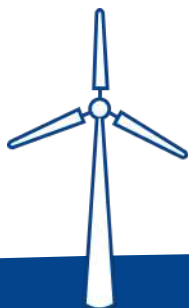
*With funding from the European Union through the COPPER initiative, the **City of Dordrecht** is partnering with **DSO Stedin** to roll out state-of-the-art **energy planning and flexibility** solutions for two of Europe's first energy neutral business parks.*



CHALLENGE

Dordrecht hosts a vibrant logistics sector for the nearby Port of Rotterdam. As Dordrecht's businesses pursue net zero through local renewables and electrification, business parks need more electricity than the local grid can handle. Without support, this could force business parks to turn away profitable, job-making businesses and have lots sitting empty.

To maintain Dordrecht's status as a competitive location for logistics, the Municipality of Dordrecht has joined COPPER to test local energy planning and energy flexibility solutions to support the logistics sector keep the grid fit for business growth.



APPROACH

Working closely with local DSO Stedin, **Dordrecht will pilot energy planning and flexibility solutions in DistriPark and Kil III**, two of Europe's first energy neutral business parks.

To manage the ambitious plans for on-site renewable generation and zero-emission transport, Dordrecht will also work with Stedin to upgrade the local grid infrastructure and prepare the site for commercial energy flexibility solutions and work towards self-sufficiency.



120ha

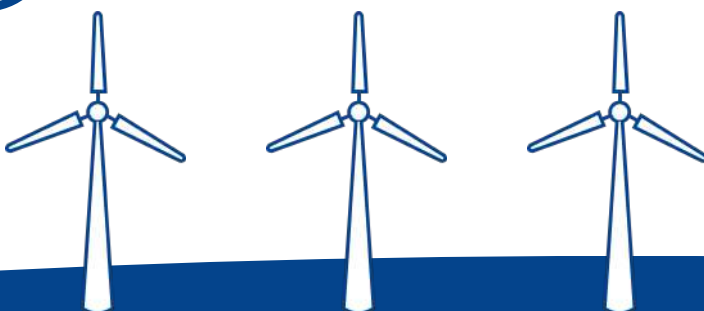
Size of Distripark and Kil III sites

4,000

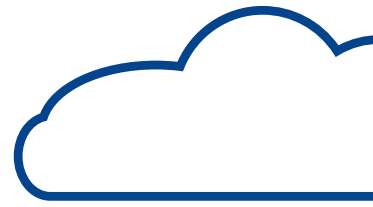
Employees on the two business parks

20,000+

PV panels included in the pilot planning



OBJECTIVES



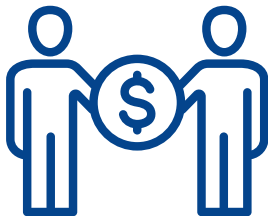
Action plan for the energy demands of net-zero logistics

Dordrecht will build organisational capacity and knowledge on guiding new building projects to fit within their local energy development plans.



Model a successful DSO-city alliance

The pilot will provide a replicable model for partnerships between municipalities and DSOs for healthier local energy systems.



Identify commercial solutions to energy flexibility

DistriPark will test commercial versions of energy flexibility solutions, helping to scale Europe's first wave of commercially ready solutions for grid congestion.



As Dordrecht, we want to be climate neutral in 2040. Generating enough sustainable energy and reducing energy usage is important to reach this goal. However, net congestion is a major challenge for our city. Energy planning on the scale of Dordrecht is crucial in tackling this challenge.



Loes van Luijk

Program Manager, Energy Transition and Climate Neutral 2040 , City of Dordrecht

Learn more by contacting contact@coppercities.eu