Press Release

Whiffle applies GRASP LES model to Wind Resource Assessment for the 700 MW Hollandse Kust North Wind Farm Zone

Delft, the Netherlands – 16 May 2019

In a consortium with Oldbaum, Pondera and Deltares, the Whiffle team has deployed the GRASP LES atmospheric forecasting model to the assessment of the site conditions of the Hollandse Kust North wind farm zone in an assignment from the Dutch government.

The GRASP model is unique in the ability to resolve the full meteorology, turbulence and wake effects, and have in-model calculation of the production of the wind turbines. For the Hollandse Kust North zone the inter- and intra- wind farm wake effects and turbulence intensities were calculated with a very high level of detail.

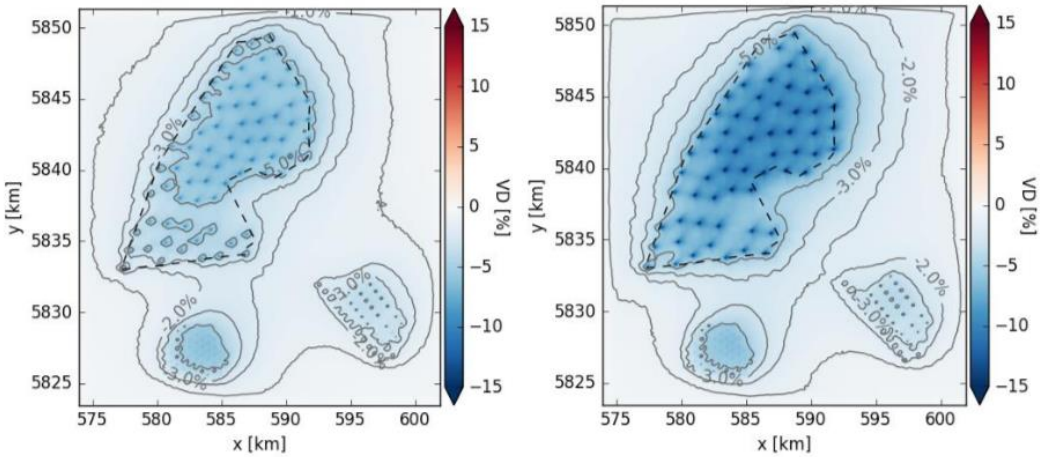

Figure from the report: Velocity deficit maps (cases C1 (left) and C2 (right)) at 115m height.

The report and webinar can be found on the website of the Dutch Enterprise Agency RVO:

- Wind Resource Assessment report (click here)
- Webinar (click here)

About Whiffle

Whiffle B.V. has been operational since 2016 and was started as a spin out of the Delft University of Technology. With its roots in science, the company has continued cutting edge R&D to further develop the Large Eddy Simulation (LES) models and a unique implementation on high performance computing systems. This resulted in the world's first LES based operational weather model that can perform highly accurate and high-resolution weather forecasts. Application areas of Whiffle's model include wind and solar power projects, dispersion of air pollution, aviation and agriculture.

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