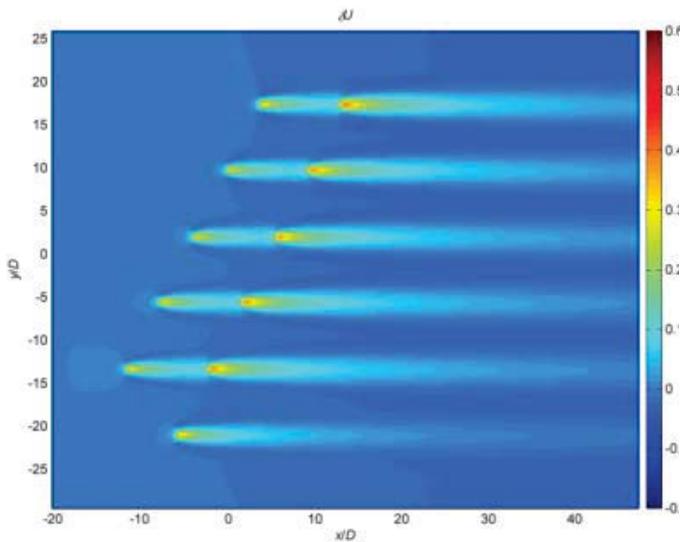
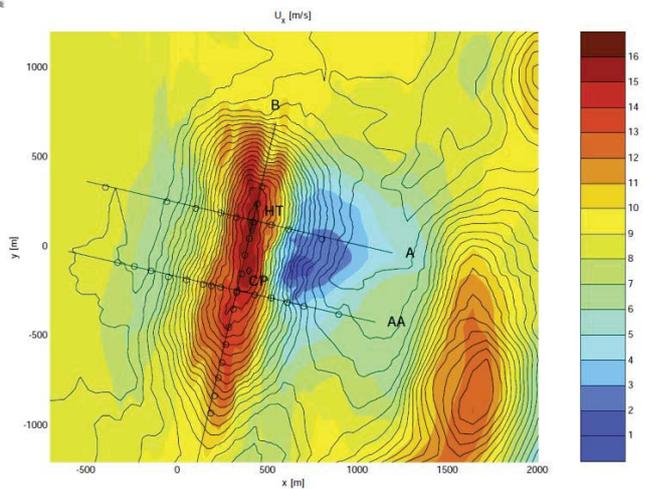


3DWind wind park CFD simulation software



Validation of 3DWind against measurements from the Vinderby offshore wind farm



Simulation of wind complex terrain validated against Askervein hill measurements

- 3DWind is a CFD based micro scale wind and wind turbine park simulation software developed by IFE since 1999. Example features: complex terrain and/or sea, turbines modeled as actuator discs, atmospheric stability, surface roughness and temperature.
- Being able to accurately predict the behavior of a wind park aerodynamics is important for power production predictions, park layout and turbine wind loads.
- Services provided to the industry by Kjeller Vindteknikk.
- The development was halted in NOWITECH in 2010 due to IFEs limited budget, and since it at the time looked like NORCOWE would put significant effort into wind park simulations. To our knowledge there is still no other full scale validated offshore wind park model in NORCOWE or NOWITECH, and the development could be resumed if the industry so desire.