meteodyn
meteorology & dynamics

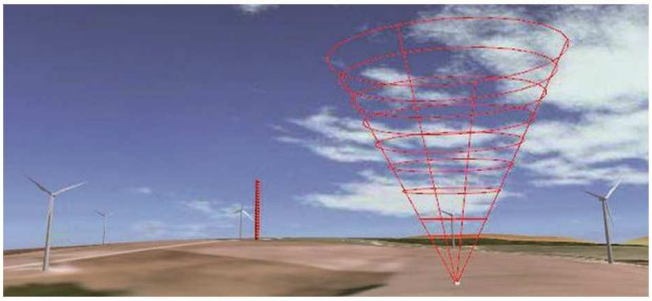
Obtain accuracy in your wind resource estimation

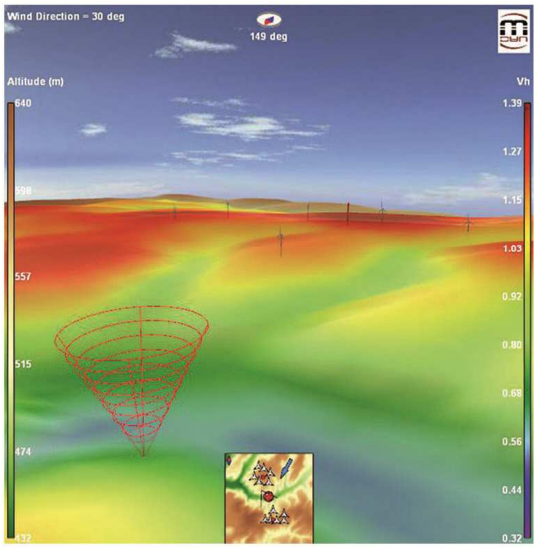
Have bankable Lidar data on complex terrain

Lidar Correction *WT* Module

Reduce Lidar uncertainties in complex terrain:

- Use of inflow angles calculated by the CFD
- Correct mean wind speed values
- Calculate flow heterogeneity due to terrain variations





Correct raw Lidar measurements with a dedicated module:

- Integrated module within the CFD software Meteodyn*WT*
- Developed and validated with **Leosphere®** / **NRG®** for the **WINDCUBE®** V1 and V2
- Developed with **Natural Power®** and validated by users of the **ZephIR®**
- Consideration of thermal stability
- Automatic generation of corrected 10-min time series to be used in Meteodyn*WT*
- Use of one or more Lidar on the same project
- Computation of Production, Wind Speed and Turbulence Matrix
- Automatic refinement of mesh around the Lidar to take into account all of the terrain effects

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