

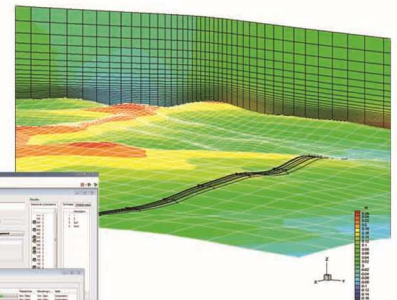
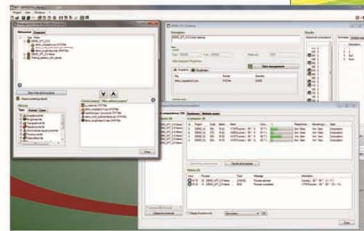
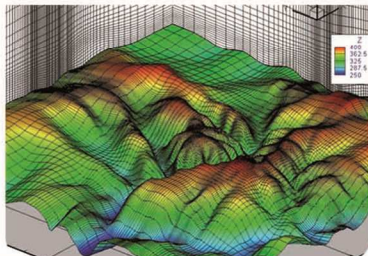
## meteodyn **WT**

### THE CFD SOFTWARE FOR WIND RESOURCE ASSESSMENT

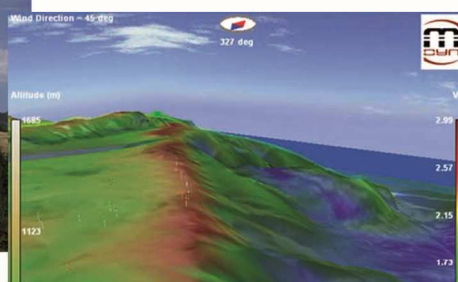
### OVER ANY KIND OF TERRAINS

➔ CFD efficiency available to everyone

- Automatic mesh generation with quality mesh control and grid refinement on key locations
- Fast and powerful solver based on the most recent numerical techniques
- Full resolution of the 3D Navier-Stokes equations
- Automatic generation of boundary conditions
- User-friendly graphic interface and virtual reality included



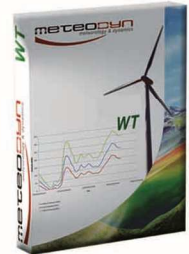
➔ For an accurate & exhaustive assessment of wind characteristics...



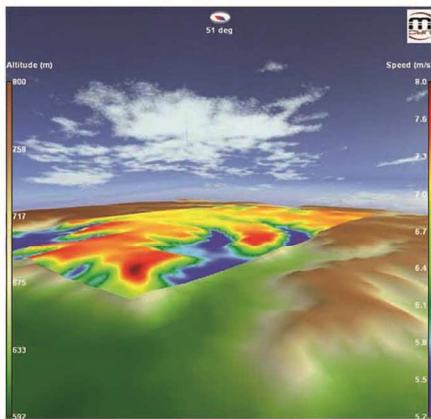
- Wind speed-up factor
- Wind direction deviation
- Vertical wind angle
- Turbulence intensity
- Wind energy density
- Wind shear

## meteodyn WT

Environment : Windows 7 - XP - Vista  
 RAM: Mini - 4 Gb / Recommended - 8 Gb  
 Processor: Mini - 2 GHz  
 Multiprocessors : Mini - Dual Core / Recommended 64 bits  
 Graphic adapter: Mini - 256 Mo / Recommended 512 Mo



➔ ...Even in complex terrain!



- Designed to handle the sharpest terrains
- Advanced modelling of turbulence transport
- Integration of different atmospheric stability classes
- Advanced modelling of forest canopies
- Numerous blind test validations

➔ A ready-to-run solution for a reliable wind farm evaluation

- Wind farm production evaluation including wake effects and wind shear visualization
- Statistical description of the wind by Weibull fitting or frequency tables
- Compatible with the standard formats of topographical files
- Compatible with the common wind farm design packages
- Handling wind time series input
- Multiple masts analysis
- Consideration of measured turbulence
- Outputs fully compliant with the IEC 61400 standards
- Integration of mesoscale data

