WindPRO 2.9 Service Pack 3 (Build 285)

We hope you are enjoying working with WindPRO version 2.9. However, some issues were discovered after the release, which can be fixed by installing the new Service Pack 3, now available for download.

Notice that WindPRO 2.9 Service Pack 3 requires at least WAsP 11.1 Release A, If you want to work with WAsP 11. There is no change to the usage of WAsP 6-10.

The improvements include:

- Fixed an issue in Shadow calculations when using geographical coordinates (#07_025)
- Fixed an issue in the Meteo Object regarding the loss of comments when reloading data (#25_151)
- A minor issue in the map composer have been fixed.
- A number of minor corrections in the Performance Check module.
- A fix for an issue with result-to-file in Shadow calculations causing an access denied message.
- A minor issue regarding the calculation of the sensitivity in some Park calculations have been fixed *(Most calculations are unaffected by this).*
- Fixed an issue in Nord 2000 calculations making the calculation more robust under special terrain conditions.
- Fixed an issue regarding the visualization of turbulence intensity from CFD calculations in result layers.
- Fixed a problem using the WMS service from OnTerra Systems.
- Fixed an issue in the resource calculation, when the calculation area is defined as a WTG-area object. *In some cases WindPRO would perform calculations for the full surrounding square instead of just for the defined WTG area. This led to an unnecessary long calculation time.*
- *An issue have been fixed for Park calculations based on RSF files. If a RSF file did not contain a full grid but only selected positions incorrect values from the RSF file was used.*

WindPRO 2.9 Service Pack 2 (Build 269)

- An issue with exporting a WTG object from one WindPRO installation and importing it on another installation has been fixed (#01_391)
- Panoramas in Photomontage. When rendering panoramas the WTGs could sometimes be cut in vertical displaced slices. This problem is now solved. This fix would change the result of existing panorama photomontages, in cases where the cameras Tilt or Rotation angle is not zero.
- WindPRO now gives a warning if a WAsP 11 based Park calculation is set to use different WAsP parameter than used to generate the Wind Statistic. (#04_080)
- Fixed problem with EXIF data import in Photomontage, where invalid x, y coordinates could be imported, and the camera object could be moved to Lat, Lng = 0, 0
- WindPRO now hides WAsP 11 parameters that are not supposed to be changed. (#02_069)
- An issue about the actual availability was fixed in Performance Check. (#33_051)
- An issue in the Meteo Object export function regarding multiple heights was fixed. (#25_137)
- Calculations based on CFD results can now optionally include obstacles. (#35_046)
- The Start3DAlone.exe and EMD3Dar.exe now work again. (#13_009)
- An issue in the elevation grid / xyz-import was fixed regarding having more than 2 separation characters in a row (#01_360)
- Fixed issue with the automatically selection of time zones (#01_354)
- An issue with the calculation of the ambient turbulence in the Park calculation has been fixed (#04_074)
- Fixed issue with having two weighted wind statistics at distance 0,0 (#02_067)
- The Meteo export format now uses a fixed format for time stamps (#25_134)
- Improved support for using WindPRO when located behind a Proxy-server. Google maps and WMS-servers now work. (#22_024)
- The cancel button when starting WindPRO twice has been fixed (#01_350)
- Fixed a problem with wire-grid in Photomontage. Sometimes the grid did not change after changing the wire grid setup.
- Fixed a problem handling zone information in X-coordinate. (#06_036)

- Fixed an issue with missing measure height and position in result to file in time varying calculations.
- Fixed issue in Project Explorer that sometime prohibited WindPRO in starting up (#01_361)

WindPRO 2.9 Service Pack 1 (Build 250)

The Performance Check module has been finalised and is ready for use. The manual and the translations of WindPRO have been updated. Finally more than 100 minor issues have been corrected.

The improvements include:

- A problem in the WindPRO/WAsP interface regarding obstacles has been fixed. (#04_058).
- Solved problem with access violation exception when trying to show 3D Surface for an area with no elevation data.
- Fixed 'range check' error when importing XYZ-files with no coordinate system header.
- Fixed issue when saving a project to a directory where the user has no write permission. (#01_253)
- Fixed problem with TIN calculation. Under certain conditions, and with large height contour files, the TIN calculation could be extremely slow, and potentially lock WindPRO.
- Photomontage: Sometimes WTGs with no logo on the nacelle would get a logo from another WTG in the photomontage.
- Inserting objects while editing e-Grid lines would lead to unhandled exception.
- When saving WMS maps supplied in non-geographical coordinate systems, WindPRO would still save the maps aligned to geographical coordinates. This would rotate the maps around the lower left corner and misplace it. The error depends on how much the actual coordinate system is rotated on the current site compared to geographical coordinates. The problem is not relevant for the Danish KMS, Germany topography 1: xxk maps or the US WMS server links that come with WindPRO. Otherwise it is recommended to re-download any WMS maps used.
- The manufacturer profile list in the WTG catalog has been updated (#01_316)
- A new warning has been added to the Decibel module when performing calculations with turbines > 2MW and no octave data. (#06_024)
- An issue with printing high resolution maps has been fixed. (#01_325)
- An issue with the input of the wake decay constant in optimize calculations has been fixed. (#15_020)
- Updated Shear recommendations (#02_060)
- An issue with the coordinate system in CFD result files has been fixed (#35_044, #01_302, #35_044, #01_302)
- An issue with conversion of roughness areas to roughness lines has been fixed (#01_291)
- An issue exporting elevation raster to the map file format has been fixed (#01_334)
- Several issue regarding coordinate systems have been fixed (#01_331, # 01_332)
- An issue in the WMS importer about the cursor symbol has been fixed (#01_326)
- 'Distance to demand' now works for all wind speeds in a Decibel calculation with more than one wind speed (#06_033)
- An issue with the view angle in the Show Profile tool has been corrected (#01_298)
- An issue with sporadic failure to create new calculation/ignoring renaming has been fixed (#01_280, #04_052)
- An issue with the steepness check in the WTG area object has been fixed (#01_318)
- The settings for an ISO Poland Decibel calculation changed. (#06_031)
- In SRTM-Download the default size has been changed to 20x20km (#01_335)
- An issue with manual digitizing areas was fixed (#01_324)
- In Decibel the name of a receptor type has been corrected (#06_026)
- An issue in Decibel has been fixed where the distance demand would appear to be fulfilled even if it was not true for one wind speed. (#06_032)
- An issue about closing the WTG explorer without selecting a WTG has been fixed (#01_323)
- The WAsP Engineering license check is now also performed when loading a new project (#01_322)
- It is now possible to select the order in which CFD products are used (#35_042)
- An issue regarding deletion of layer containing CFD object has been fixed (#01_292)
- WindPRO now recognizes coordinate system info in MAP files from WAsP Map editor version 10 (#01_320)
- The HP table has been updated (#02_055)
- The delete key on background map has been fixed (#01_321)

- The WindPRO folder under 'ProgramData' now has full read/write access for all users (#01_301, #21_043)
- After sending a crash report it is now possible to continue working with WindPRO, even if the e-mail is still open in the E-mail client (#01_267)
- The calculation date has been fixed in MCP reports (#03_019)
- An issue regarding transformations was corrected in the EMD editor (#01_290)
- The default settings for an optimize calculation were changed (#15_018)
- An issue with the 'remove area' tool has been fixed in the EMD editor (#01_299)
- An issue with 'show wind speed difference' in the Meteo object has been fixed (#25_124)
- In result to file for a Shadow calculation it is now possible to export shape files(#07_019)
- It is now possible to set a start & end date when performing a time varying Park calculation (#04_059)
- An issue with loading the maps on the globes has been fixed (#01_295)
- Repeating dialogs when exporting image and world files have been removed (#08_014)
- It is no longer possible to start a time varying calculation without having any WTGs selected(#04_060)
- The way point reduction works when showing large area objects has been corrected. (#01_305)
- An unnecessary intermediate window was removed when importing data in a line object .(#01_286)
- The area object does not create new .w2r file when the process is aborted (#01_289)
- The "Wind profile detailed" report in the Model calculation now uses the first sector if no sector is selected. (#01_304)
- CTRL-placing a METEO object now links the position of the nearest object (#01_307)
- The 'Extend data' is now removed for area objects. It is only relevant for line objects (#01_300)
- An issue when calling the EMD Editor from within area object has been solved (#01_296)
- An issue with showing properties of selection rectangle in the map composer has been fixed. (#01_310)
- It is now possible to calculate RIX, even if AEP is not selected (#04_056)
- The button in upper right corner of the "Quick Surface"-view has been removed (#01_276)
- A problem when trying to stop an "Orographic shadow map" calculation with a line object has been fixed (#07_018)
- An issue in the photomontage about calculating the correct area has been fixed (11_043)
- Shape export from the line object now creates polyline shapes instead of polygons (#01_285)
- An issue with result layer symbol in map composer has been corrected (#01_265)
- New default shadow length in Shadow calculations (#07_017)
- An issue when using elevation grid in calculation of topographic shadow has been fixed (#07_016)
- Improved sorting of WTGs in the WTG Explorer (#01_272)
- An issue with missing file validation when loading Google overlays has been fixed (#01_277)
- An issue with the setting of 'show as' in the elevation grid has been fixed. (#01_273)
- An issue with using the Nederland 2011 model outside of the Nederlands has been fixed (#06_028)
- The WindPRO diagnose tool has been updated for WindPRO 2.9 (#21_042, 01_259)
- An issue with distance circles is always being oriented at 0° when using geographical coordinate system has been fixed. (#01_269)
- An issue with the background map file open dialog accepting non-existing files has been fixed (#01_278, #01_279)
- An issue with importing .uwt files in the WTG catalog has been fixed (#01_271)
- An issue in the map composer concerning 'grab points' has been fixed (#01_262)
- Ainslie model – a mismatch between settings and table in printouts has been fixed. (#04_049)
- An issue with sporadic exception when opening Maps and Objects has been fixed (#01_232)
- An issue using Noise maps and setting shape file with ambient noise has been fixed (#06_023)
- An issue with ambient turbulence in the new NO Jensen model has been fixed (#04_053)
- Custom WTG symbols accept other files than BMP files in Map composer. (#01_264)
- Mouse wheel-Zoom now works in Map Composer (#01_261)
- In issue with the RIX calculation not taking other values than default into account has been fixed (#35_040)
- An issue with the colouring of different heights has been fixed (#26_018)

The number in brackets refers to the internal bug tracking number at EMD (e.g. #XX_YYY).