



Co-funded by the
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Maintenance simulator: A TRAINING TOOL for the sustainability of European wind farms

Project overview

Launched in December 2017, SIMULWIND is an ambitious European funded project aiming at developing a Wind Turbine Generator (WTG) maintenance simulator. It will be used in the training of operation and maintenance (O&M) workers. The project will end in December 2019.

In line with the market tendency to use digital tools, the simulator will be able to deal with all the main faults, solutions and maintenance procedures that can be found in wind turbines and farms. The main challenge of the project is to create a basic simulator of general use which can later be improved by anyone with new technologies and maintenance procedures. Initially thought for onshore windfarms, it can also be extended in the future for offshore installations.

The SIMULWIND project receives funding under the [ERASMUS + programme](#) of the European Union.

First project results available!

The consortium concluded the First Intellectual Output (IO1) on the maintenance simulator for the sustainability of European wind farms.

The main project deliverable IO 1 consists of a report about wind simulator maintenance subjects, faults, solutions and maintenance procedures starting point for the simulator development. The report offers a first approach to the real functioning of the wind turbine generator whilst fitting the trend in digitalisation of wind farms – strongly supported by some manufactures in the reinforcement and consolidation of the manufacturing capacity. This report will serve as a basis for the maintenance simulator to be developed.

The report will be soon available [here](#).

Project meetings

Kick off Meeting, Hamburg, 30 and 31 January 2018

The meeting focused on the presentation of

the project and the partners, the project management, communication and dissemination activities as well as a first discussion on the simulator requirements and development. The project partners visited the Nordex Training Academy.



Second Project Meeting, Madrid, 9 and 10 July 2018

The meeting focused on the deliverables to date (IO1), the maintenance simulator and the communication and dissemination activities of the project. The project partners visited the Endesa Maintenance Management and Control Centre and Trainek.



Project Consortium

Project Leader:
The BZEE Academy GmbH



Project partners:



For more information on the project please contact the project leader BZEE at info@bzee.org or visit the [project website](#)

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