



Modelling and Validation of Siemens Wind Power VS Wind Turbines and Park Controllers for Dynamic RMS Simulations Using DIgSILENT PowerFactory Simulation Program

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This project is scheduled from February to July 2009 and to be conducted between the wind turbine manufacturer Siemens Wind Power A/S and the Centre for Electric Technology, Institute of Electrical Engineering, Technical University of Denmark. The objective of this project is to develop, implement and test state-of-art client user models in the DIgSILENT PowerFactory simulation program of Siemens Wind Power innovative high performance variable speed wind turbines and park controllers. The project co-operation will provide and gain both participants valuable know-how within the area of advance modelling and control of modern, Megawatt class wind turbines, frequency converters and large windfarms. The co-operation with leading industry partners will significantly strength the development and knowledge of the Centre for Electric Technology within the main research and education areas of wind power integration into power systems. The developed models and results of this project remain property of Siemens Wind Power A/S.