

## Curriculum Vitae

**Akarin Suwannarat (M.Sc, B.Eng)**

Date of birth: June 4<sup>th</sup>, 1978 in Bangkok, Thailand

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### Academic Qualification

- 11/2004 – Present      Aalborg University, Aalborg; Denmark  
Faculty of Engineering and Science, Institute of Energy Technology  
**PhD. Candidate:**  
**PSO 4102 project: Integration and Control of Wind Farms in the Danish Electricity System**  
made jointly between Aalborg University, DONG Energy A/S, Risoe National Laboratory, Vattenfall A/S, Energinet.dk A/S
- 10/00 – 02/03      University of Applied Sciences Offenburg; Germany  
Degree: Master of Science in Energy Conversion and Management  
**(Energy Engineering)**  
Major: Energy Engineering, Energy Distribution and Energy Management
- 06/96 – 02/00      Thammasat University, Bangkok; Thailand  
Degree: Bachelor of Engineering **(Electrical Power Engineering)**
- 05/90 – 06/96      Vajiravudh College, Bangkok; Thailand  
Secondary School Certification, Major: Sciences and Mathematics

**Professional Engineer License No.:** n 05343

### Professional History

- 2003 – Oct 2004      RWE Solutions AG; Germany  
The proficient service provider for planning, construction and management of power engineering in Germany and Worldwide with approx. 12,600 Employees and 2.8 billion Euro annual net sales  
**Project Engineer:**  
- Responsible for project management and project installation  
- Responsible for overall project engineering activities  
- Monitor and Control progress of project at all stages  
- Manage and Coordinate activities of designated projects  
- Control and Evaluate subcontractors/suppliers  
- Communicate extensively with clients  
- Ensure safety and quality on project (as an Executive Safety Officer)
- Mar-Dec 2002      badenova AG & Co. KG; Germany  
The public utility company (electricity, gas and water) in the south-west region of Germany with approx. 1,150 Employees and 650 Million - Euro annual net profit  
**Diplomand:**  
**Project: Grid Integration of Wind Energy Conversion System Project**  
- Responsible for modelling and simulation of Grid Integration of Wind Energy Conversion System (concerning on VDEW and EEG)  
(VDEW: German Electrical Engineering Standard, EEG: Sustainable Energy Laws)  
- Design, analysis and optimization of Energy Conversion System with Power Systems Simulation Program DigSILENT  
- Review technical requirement and engineering design  
- Coordinate with internal/external for technical support  
- Monitor project installation cost

- 10/2001 – 02/2002      University of Applied Sciences Offenburg; Germany  
**Research Assistant:**  
 Solar thermal 2000 Project (Solar Energy Plants project, by German Federal Ministry of Economic and Technology Research Programme)  
 - Responsible for data acquisition of Solar Energy Plants  
 - Monitor the characteristics of Solar Energy Plants
- 03 – 07/2001      Freiburger Energie- und Wasserversorgung -AG (FEW); Germany  
 The public utility company (electricity, gas and water) in Freiburg, Germany with approx. 600 Employees and 240 Million - Euro annual net profit  
**Internship:**  
 - Responsible for Modelling & Simulation of 20 kV systems with Power Systems Simulation Program PowerFactory DlgSILENT  
 - Monitor 20 kV sub-stations and 20 kV systems
- 04 - 05/1999      National Control Centre (NCC), Electricity Generating Authority of Thailand (EGAT), Nonthaburi; Thailand  
 The largest Thailand's state owned utility with the biggest assets  
**Trainee:**  
 - Monitor electrical transmission systems

### **Additional Skills**

- Thai: Native Speaker; English: Excellent; German: Good; Danish: Basic
- Computer: Microsoft Office and Microsoft Project, Window 98/NT/2000/XP, DlgSILENT PowerFactory, Matlab/Simulink, AutoCAD
- Executive Safety Officer Certificate (Thailand)

### **Extra Curricular Activities**

- 06/96 – 02/99      Captain of Engineering Faculty Rugby Club, Thammasat University; Thailand  
 06/96 – 02/98      Rugby Player of University Rugby Club, Thammasat University; Thailand  
 03/91 – 01/96      Musician of Vajiravudh Orchestra, Vajiravudh College, Bangkok; Thailand