

Personal data

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Date and place of birth: 14 November 1972, Nijmegen (NL)
Nationality: Dutch
Titles: M.Sc.
Drivers' licence: Yes

Education

Oct. 1991 – June 1997 Master of Science in Electrical Engineering,
Eindhoven University of Technology (NL)
Thesis project: DSP controlled converter for 1MW permanent magnet motor /
generator (theory: simulation of commutation; practice: design and realization of digital
interfaces and control software, measurements on a scale model of the system).

Sept. 1985 – June 1991 University Preparatory Secondary Education,
Stedelijke Scholen Gemeenschap Nijmegen (NL)
(Won award for highest results in physics)

Profile

Brendan Williams is a highly motivated, creative thinker with a strong technical background and a wide financial experience. Combining these skills, he is always interested in finding the optimal solution regarding the technical, social and financial opportunities.

Keywords: analytic, enthusiastic, strong people skills, focus on quality and sustainability.

Working Experience

January 2011 – now: Blue Bear Advisory Africa bv, Utrecht, The Netherlands

Function description: partner - managing consultant. Blue Bear Advisory Africa is an independent executive consultancy firm that is available for hiring for financing, financial analyses, project development, contract management, project management, stakeholder management, procurement and business analysis for wind farms. Blue Bear Advisory Africa is focused exclusively on southern Africa (see also: www.bluebearadvisoryafrica.com).

January 2011 – now: Blue Bear Energy bv, Utrecht, The Netherlands

Function description: founder/partner – managing consultant. Blue Bear Energy is an independent executive consultancy firm that is available for hiring for contract management, project management, stakeholder management, procurement and business analysis. Blue Bear Energy is also a wind development company in The Netherlands. Currently Windpark Goyerbrug is being developed by Blue Bear Energy (see also: www.windparkgoyerbrug.nl).

- As advisor hired directly and indirectly by governments and top end developers and utilities.
- As entrepreneur involved in developing sustainable energy supply for almost 18.000 people.

2009 – 2010: Owner/director, Metadai, Utrecht, The Netherlands

Electrical Engineering of largest onshore wind farm of the Netherlands (172,5 MW)

Keywords: grid compliance, economic optimization, system protection

Financial advising on financing of the largest onshore wind farm of the Netherlands. Electrical grid design/optimization of near shore wind farm (148MW).

Keywords: park optimization, grid compliance, economic optimization, system protection

2006 – 2009: Senior Business Analyst, Eneco New Energy, Rotterdam, The Netherlands

Supervisor of a team of four business analysts.

Keywords: management, personal guidance, financial planning, audit trails

Developed financial models, which are still used within Eneco for financial engineering of onshore wind energy projects (up to 250MW).

Keywords: excel, financial engineering, tax/subsidy law

Engineering and financial calculations for development of test field location for extremely large wind turbines.

Keywords: grid optimization, grid connection negotiations, financial calculations

Modelling and optimization of operation and maintenance Prinses Amalia Offshore wind farm (120MW).

Keywords: grid compliance, power system analysis, economic optimization, protection systems, reactive compensation

Financial and risk analysis for financing of four offshore wind farms under development (120MW to 480MW). Challenging engineers on all aspects of assumptions to create a sound business case.

Keywords: economic optimization, power system analysis, economic optimization, protection systems, wind yield, park optimization.

Actual costing/performance calculations of Offshore Wind farm Prinses Amalia (120MW).

Keywords: power performance, accounting, control

Technical design evaluation of innovative new wind turbine designs for extraordinary location.

Keywords: reliability, aerodynamic performance, safety

Development of financial model for offshore wind farms used for both in house developments and acquisitions.

Keywords: excel, financial engineering, economic optimization, turbine selection

Process consulting and financial valuation on acquisition of Air Energy, resulting in the takeover of the company by Eneco.

Keywords: excel, board room advising, strategic planning

2003- 2006: Consultant GEN Business Services, GEN Group, Capelle a/d IJssel, The Netherlands

Supervisor (ad interim) of a team of 8 analysts at Delta Customer Service Centre (retail energy supplier). The team develops reports and statistics of the key administrative processes of Delta (e.g. switching, change of address, invoicing, backlogs, IT system issues, interfaces). All team members were relatively inexperienced. My responsibilities: restructure the team, improve quality of deliverables, improve communication, start knowledge sharing)

Keywords: management, personal guidance.

Development and implementation of Key Performance Indicators at Delta Comfort and Delta Network (May 2005 – July 2005) (internal processes, Balanced scorecard, DTe scorecard, B'con, workflow management)

Keywords: Administrative processes Dutch energy market, performance measurements, Oracle database systems, SQL, CRM, connection register.

Study into methods to forecast system losses in Dutch transport grid and correlation with wind energy production in Germany (June 2006)

Keywords: Forecasting, Energy transport, Wind energy, data mining

Development of tailored training and actual training itself at RWE Obragas (Oct 2005: Data management for the gas market, April 2006: Processes in the electricity market)

Keywords: Dutch electricity and natural gas processes, Supplier role, Program responsibility, Shipping.

Information analysis for development and deployment of IT systems for shipping of natural gas at ENECO (2005).

Keywords: Dutch natural gas processes, IT architecture

Team leader and programmer in software development team (2004) Software to facilitate program responsibility, forecasting of energy demands, validation of measurements, EDINE communication, system integration.

Keywords: Dutch electricity and gas processes, IT architecture, object oriented programming, C++, Java, SQL, matlab

2002 – 2003: Freelance Consultant, in Guyana South America

Projects for Guyana Power & Light, European Commission, GEN Technology Services.

1997 – 2002: Project manager, GEN Engineering, Schoonhoven, The Netherlands

Management of energy transport restrictions in the liberalized market (by order of Dutch grid company Continuon)

Keywords: Electricity generation and distribution, power plant simulation in Matlab

Study into the opportunities for an MVDC grid (Medium Voltage Direct Current) in offshore wind energy parks

Keywords: Electricity grids, transport, wind energy

Study into strategic options and opportunities of offshore wind energy for Dutch companies

Keywords: Medium Voltage Direct Current, monopile foundations, models of private-public cooperation

Determining negotiation position of Dutch Railways for purchase of electricity (1997)

Keywords: Program responsibility, Demand forecasting, Data management

Training

- 2009: Wind energy yield calculations with WASP, Risø National Laboratory, Denmark
- 2008: Course personal skills: Management development (NL)
- 2003: Course PRINCE II project management, Exin, Utrecht (NL)
- 2001 – 2003: Practical Selling Skills and Techniques, Kenneth Smith Training (NL)
- 2001: Object Oriented Programming in C++, AT computing, Nijmegen (NL)
- 2000: Project management training, Dutch Institute for Management Education (NIMO), Amersfoort (NL)
- 1996: Management of technological innovation, Eindhoven University of Technology (NL)
- 1995: Negotiation Skills and Techniques, Eindhoven University of Technology (NL)

Publications

- 2001: Renewable Energy World: The DC option a solution for wind power transmission?
- 1999: Presentation at SUSTAIN 1999, The world sustainable Energy Trade Exhibition and Conference in Amsterdam. Title: The choices of the next GENERation. About the technological choices wind energy project developers will make when investing in multi megawatt near shore wind farms.
- 1998: Energy Technology Magazine (Energietechniek): Direct Current for medium size applications (in Dutch)

Other activities

- 2003: Made TV campaign about dangers of HIV/AIDS for Guyana Television.
- 2002: Organized fashion show, started a fashion store in Guyana.
- 1996: Conducted a feasibility study into the production of a low-cost telemetric energy meter (by order of a small engineering company).
- 1995: Lecturer: taught the basics of electronics in theory and practice to undergraduate students at the university
- 1994 – 1995: Member of the board of a student association WALDUR (Student Association for Electrical Power Engineering).
- 1994: Participated in a contest to design a solar powered bicycle (invited by Holland Solar) 1994: participated in a contest to design a solar powered bicycle (invited by Holland Solar).

Languages

- Dutch: mother tongue
- English: speaking and writing fluent
- German: listening and reading: good, writing and speaking: intermediate

Computer skills

Python, Perl, matlab, C++, Java, (PL)SQL, Latex, Linux, AHDL, VHDL, all MS office and open office, Digsilent

References

Available on request.