

Curriculum Vitae



Name: Bernhard Voll
Academic Degree: Master of Science - Engineering
Nationality: German

Professional background:

2008 – today ZEPHYROS CONSULTING

Since 11/08: As a consequence of the closure of Allco's wind business after the successful sale of all of Allco's wind projects in Australia and USA I've started my own consultancy business advising clients in wind engineering, engineering of solar thermal projects and general electrical engineering. With my background in utilities, large engineering companies and the wind industry I'm well positioned to provide expert advice on a senior level and thus commenced working as a consultant. As a small specialist consultancy firm I offer tailored solutions focusing on value-add for my clients. My main business areas are: wind & site engineering, wind data management, wind farm design, specialist studies, utility consulting and consulting for the solar thermal industry (www.zephyrosconsulting.com). I've been retained for a number of activities, mainly for solar-thermal engineering, wind resource analysis and senior high level advice in specialist due diligence activities for clients in Australia and USA.

2006 – 2008 ALLCO WIND ENERGY MANAGEMENT PTY LTD

(Investment Banking / Level 24, "Gateway", 1 Macquarie Street, Sydney, NSW 2000)

07/06 – 11/08: Following the purchase of the projects of Energreen Wind by Allco Finance Group and subsequent formation of Allco Wind Energy Management Pty Ltd. (AWE), Chief Technical Officer and Technical Director of AWE in Sydney, NSW Australia. AWE is a leading wind power project developer and independent power producer with activities in Australia, New Zealand, Europe and the USA. Allco Finance Group is a diversified Financing Corporation listed on the Australian Stock Exchange with activities in Aircraft, Rail, Shipping, Property and Infrastructure where AWE is part of. Responsible for Project Development, Wind & Site Engineering, Project Engineering, Landowner Negotiations, Resource Consent (Development) Applications, Grid Connection Applications, development of specialist software, Wind Monitoring and Management of specialist consultants in New Zealand, Australia and California, USA. The portfolio managed consists of 6 projects in New Zealand (~500MW), 5 projects in Australia (~400MW) and 1 project in Tehachapi, California (1,550MW).

2005 – 2006 ENERGREEN WIND PTY LTD

(Wind Farm Development / 1 Balbu Close, Beresfield, NSW 2322, working from home)

12/04 – 07/06: Following the purchase of GREP by Energreen Wind Pty Ltd, Chief Technical Officer of Energreen Wind Pty. Ltd. in Sydney, NSW Australia, a leading wind power project developer with activities in Australia, New Zealand, China and the Philippines. Responsible for Project Development, Financial Modelling, Wind & Site Engineering, Project Engineering, Landowner Negotiations, Resource Consent (Development) Applications, Grid Connection Applications, Negotiation of Power Purchase Agreements, development of specialist software, Wind Monitoring and Management of specialist consultants in New Zealand, Australia and China.

- 2003 – 2004 Global Renewable Energy Partners (GREP) Pty Ltd**
(Wind Farm Development / Level 21, Darling Park, 201 Sussex Street, Sydney, NSW 2000)
- 05/03 – 12/04: Director Business Development of Global Renewable Energy Partners Pty. Ltd. in Sydney, NSW Australia, a leading wind power project developer with activities in Europe, America and Asia/Pacific. Responsible for Project Development, Financial Modelling, Project Sales and Project Engineering for GREP's activities in Asia/Pacific managing a large portfolio of projects in Australia, New Zealand and India.
- 2000 – 2003 ABB**
(Engineering, Electrical Equipment / first ABB Utility Solutions, Zuerich-Oerlikon, Switzerland, then Kaefertaler Strasse, 68167 Mannheim, Germany)
- 09/00 – 03/01 Vice President Utilities, Marketing & Sales of the Business Unit Global Utility/Industry Solutions within the Business Area Power Distribution of ABB Ltd., located in Zurich, Switzerland. Global responsibility for development of the Markets for the new Solutions-Business with focus on South-America and Germany.
- 03/01 – 10/01 Vice President Market Development and Marketing of the Business Unit Renewable Energy within ABB New Ventures Ltd. in Zurich, Switzerland. Global responsibility for the development of new markets for renewable energies mainly outside the European Union, especially in the Windpower sector with main focus on South America, Canada, India and China. Also responsible for special projects in the area of business development.
- 10/01 – 04/03 Vice President Market Development/Marketing/Technology of the Business Unit Renewable Energy of ABB New Ventures GmbH in Mannheim, Germany and member of the executive management team. Global responsibility for the development of new markets for renewable energies mainly outside the European Union, especially in the Windpower sector with main focus on South America, Canada, China and India. Also responsible for the development of new business activities. From June 2002 also responsible for the Technology Management of the Business Unit, setting up an offshore windpower expert team. Worldwide responsibility.
- 1996 – 2000 STADTWERKE KONSTANZ**
(Municipal Utility Company, Max-Stromeyer Strasse 21-29, 78467 Konstanz, Germany)
- 10/96 – 09/2000 CEO and Technical Executive Director of "Stadtwerke Konstanz" (City of Constance utility), responsible for the electricity, natural gas, fresh water, energy-service, telecommunication and technical services division as well as public transport and car-ferry operation with a total of 486 employees, 400 of them in the technical divisions.
- In addition 01/97 – 09/00: Managing director of the "Verkehrsunternehmen Hegau-Bodensee Verbund GmbH", an association of 10 public transport companies in the Constance district, responsible for the administrative division of the association.
- In addition 12/98 – 09/00: Managing Director of the "Katamaran-Reederei Bodensee GmbH", a shipping company developing a new fast ferry line between Friedrichshafen and Constance with Catamarans, responsible for the technical sectors, the marketing of the company and the design of the 2 planned Catamarans together with an Australian naval architect.
- In addition 01/97 – 09/00: Member (one of the two German representatives) of the „International Waterborne Transport Committee“ of the International Union of public transport, UITP.

In addition 01/97 – 09/00: Member of the board of the association of Water supply companies in the Lake Constance – River Rhine Area (Germany, Austria, Switzerland, and France).

In addition 09/99 – 09/00: Member of the project team “Energy trading for regional and municipal Utilities” of the German association of Utility companies.

1986 – 1996 ENERGIEVERSORGUNG OBERFRANKEN AG

(Electric Utility / first: Bayreuth, Germany, then Hugo-Hesse Strasse, Kulmbach, Germany)

- 01/86 – 06/89: Engineer for network planning of 110kV- and 20kV networks in a regional utility company (Energieversorgung Oberfranken AG), member of the Bayernwerk Group (now EON). In addition responsible for the introduction, support and maintenance of all PCs, software engineering and the user support in the technical departments. During this period also participation in a trainee program (6 months) in all technical departments of the company including a 4 week assignment in a lignite power plant (400 MW) to assist in the major overhaul of boiler, turbine and the main generator. Development of various models for loss optimisation in the networks and profitability calculations of new investments.
- 07/89 - 10/96: Head of the Operations, Maintenance and Construction division in a branch office of this utility company (68,000 customers, 2,600 distribution transformers, 8 substations 110/20kV) with the following responsibilities: network construction (400V and 20kV), network planning, project planning and maintenance of network installations, documentation of all installations with a geographical information system, account management for our industrial, small business and retail customers, the residential customers and the municipalities including liasioning with the political authorities, support of the energy consultants and management of the technical staff (110 employees).
- From 01.01.1992: Vice President of this Branch Office
- From 01.07.1992: Responsible coordinator of the IT projects for all branch offices of the company (4 offices)
- 04/95 - 08/96: Member of various project-teams for the strategic and organisational repositioning and restructuring of the company together with a consulting firm (BAIN Consulting)
- 03/96 - 08/96: Member of a project team of the Bayernwerk-Group to develop and buy a network information system for all member-utilities of the BAYERNWERK-Group
- 03/96 - 10/96: Head of a Project Team in the company to develop a new maintenance strategy for its distribution networks
- 07/96 – 10/96 General Manager of the Branch Office

Education:

- 1967-1971: Primary School in Nuremberg and Barcelona, Spain
- 1971-1980: mathematics – scientific secondary school in Nuremberg
- 1980-1985: Study of Electrical Engineering with a focus on Power Engineering at the University of Erlangen-Nuremberg (Technical Faculty, Erwin Rommel Str. 60, 91058 Erlangen, Germany). Degree: Dipl.-Ing. (Univ.), equal to Master of Science in Engineering.

During the Study several practical stations in the Electrical Drives assembly of SIEMENS and in the project planning of internal power supply systems for nuclear power plants at Kraftwerk Union (KWU) with the focus on reliability optimization.

Activities outside the job:

- 06/90 - 10/96: Representative of the Upper Franconia Region of the German association of engineers and member of the board of the Franconia sector of this association.
- 1992 – 1996: Active as Lecturer in Software training courses of the Chamber of Industry and Trade in Bayreuth (Database Applications)

Various presentations about the liberalisation of the Electricity-, Gas- and Public Transport Markets, about Electricity trading, Product development in the Electricity business at conferences of the major German conference organisations (e.g. Institute of Information Research), at conferences of the German and Swiss Association of Electricity companies (VDEW) and the Swiss association of Gas suppliers (VSG). Published various articles in major industry magazines in Germany mainly about liberalisation of Energy and Transport Markets.

Language skills

German and English fluently
Spanish rudimentary

Software Skills (proficient operation)

- Windfarmer™ state of the art Wind farm design software for calculating energy output, noise emissions, shadow flicker emissions, zone of visual impact, for optimising the siting of turbines and doing visual simulations. Also used for data correlation and long term wind speed predictions.
- WASP state of the art wind flow modelling software, the industry standard and basis for inputs into Windfarmer™
- Windographer Data assessment software for Wind Monitoring Data, used for quality checks, monthly reporting, repair of faulty datasets etc.
- Mapinfo GIS Software used for all mapping purposes. Mapinfo works with layers and allows complex operations and data presentation.
- MS Office All MS Office modules including technical software such as MS Visio and MS Project including Macro-Programming