

CURRICULUM VITAE

Dipl.-Ing. Jens Goesswein

Self-employed Consultant



Personal Statistics

Citizenship: German

Date of birth: 23 October 1967

Language Capabilities

Language	Speaking	Reading	Writing
German	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

Academic and Professional Attainment

Field of expertise	University	Year
Graduated Engineer (Dipl.-Ing.) Bio - Engineering, Specialization in Environmental Engineering	University of Applied Science in Hamburg (Germany) and University of Queensland in Brisbane (Australia).	1996

Summary of Professional Experience

- 23 years of professional experience in renewable energies with the focus on wind energy
- 10 years of professional experience with a manufacturer of wind turbines in different functions in on-shore and mainly offshore wind (amongst others: wind turbine development, approval processes, sales & marketing, contract negotiations, project management and product management)
- 18 years of professional experience as project manager
- 13 years of professional experience in Consulting for the area of wind energy
- 6 years of professional experience as line manager
- 4 years of professional experience as quality manager
- Experience in HSE and trained SiGeKo (HSE coordinator acc. to 92/57/EWG)
- Extensive experience in contract negotiations, project management and due diligence
- Excellent English, German as native speaker

Professional Training

Year	Institute	Description
08/2018	BZEE	GWO Working at Heights
06/2018	Arbeitsmedizinische Praxis (Medical Health Practice) Dr. Rogall	Medical Health Check for Working at Heights, on Wind Turbine Generators and Offshore (AWMF Offshore Wind Turbines, S1-Guideline; G 25; G 41; OGUK Medical Assessment accord- ing to OGUK-Guidelines)
10/2018	HIRAcon Akademie	SiGeKo training (health and safety coordinator for construction sites acc. to 92/57/EWG)
07/2010 - 12/2015	Courses and trainings during work for DNV GL	Several courses on wind energy through par- ticipation of seminars, exhibitions and confer- ences
2013	Huthwaite	Sales Training (SPIN® Selling)
2014	DNV GL	Health and Safety for Managers
2014	DNV GL	Working at Heights and First Aid for working on Wind Turbine Generators
2014	DRK	First Aid Training
2014	Deutsche Verkehrswacht	Safe Driving Training
2014 - 2015	DNV GL	Company internal HSE Trainings (HSE basics, load securing, electrical safety, handling of hazardous substances, working in confined spaces, working on construction sites and working in customers offices)
2015	DNV GL	PM The Energy Way (internal training on pro- ject management according to PMI-standard)
10/2000 - 06/2010	Courses and trainings during work for REpower Systems AG (now Senvion SE)	Several courses on wind energy through par- ticipation of seminars, exhibitions and con- ferences Training on first aid and personnel rescue from wind turbines French for adults, basic course Internal training sessions on: HSE, carrying out appraisal interviews, labour legislation for managers, successful employee selec- tion, basics for successful leadership
10/1998 - 01/1999	CBM Bildung und Managementbe- ratung, Hamburg	Project Management, communications train- ing, business administration/ marketing Controlling
03/1999 - 04/1999	TÜV Nord Akademie Hamburg	Training course Quality Manager (TÜV) - In- dustry - (successfully passed examination)

Employment Record

PJ C Dipl.-Ing. Jens Gößwein

since 01/2016

Owner and Project Consultant

- Project Management and Technical Consulting with the focus on Wind Energy

KEMA Consulting GmbH (part of DNV GL)

07/2010 - 12/2015

Position: Principal Consultant Project Engineering, Renewables Advisory (10-12/2015)

- Consulting with the focus wind energy

Position: Head of Section Project Engineering (formerly Project Management), Renewables Advisory, Principal Consultant (01/2014 - 09/2015)

- Consulting with the focus wind energy
- Head of the consulting team for project management in renewables (wind energy)
- Authorised Signatory

Position: Service Line Leader Renewable Energy Services Germany (CES-RES) (08/2012 - 12/2013)

- Consulting with the focus wind energy
- Business Development
- Head of the consulting team for renewables (wind energy)
- Authorised Signatory

Position: Principal Consultant for Renewable Energy (10/2011 - 07/2012)

- Consulting with the focus wind energy
- Business Development
- Authorised Signatory

Position: Senior Consultant for Renewable Energy (07/2010 - 09/2011)

- Consulting with the focus wind energy
- Business Development

REpower Systems AG (now Senvion), Rendsburg & Hamburg, Germany

10/2000 - 06/2010

Position: Project Manager Offshore, Quality Manager, for the last three years Group Leader Product Management in business unit offshore

- Requirement specification in the context of the development of an offshore wind turbine
- Design and implementation of a quality management system for the whole company and the development department in particular up to a successful first certification audit
- Preparation and execution of training course on quality management and working procedures
- Extensive experience in marketing and international sales, with preparation of sales documents, organisation of sales events and many presentations on product features
- Project management for test and reference projects
- Senior project management for a wind project including approval process, contract negotiations with customers and the suppliers for foundations, transport and installation. Project successfully completed within budget.
- Establishment of the new group Product Management in the business unit offshore wind with the main tasks of technical sales support, preparation of product documents (for approval process, sales and project execution), benchmarking and market studies as well as product definition with standards, options and prices

BUCO Waermeaustauscher GmbH, Geesthacht, Germany **02/1999 - 09/2000**
Position: Sales Engineer for heat exchangers, Quality Manager

- Preparation and participation in certification audits for ISO 9001 and German pressure vessel directive (Druckbehälterverordnung, HP0)
- Improving the existing QM system and carrying out internal audits
- International sales for heat exchangers (mainly for food and environmental industries)

Training (please refer to section “Training”) **10/1998 - 01/1999**

Dr.-Ing. Heinrich Umweltschutztechnik, Hamburg, Germany **11/1997 - 09/1998**
Position: Technical Employee

- Construction, CAD, planning (mainly for waste water treatment facilities)

Krupp Elastomertechnik, Hamburg, Germany **08/1996 - 10/1997**
Position: Engineer for planning and logistics

- Materials Logistics, Project Management

Dr.-Ing. Heinrich Umweltschutztechnik, Hamburg, Germany **07/1995 - 09/1996**
Position: Student Trainee / Freelancer

- Construction, CAD, chemical analysis

Projects as a Self-Employed Consultant (since 01/2016)

Confidential, Support during tendering and contract negotiations for several Onshore Wind Farms in Germany, since 08/2023

Position: External WTG Expert

Description: Participation in the development phase for a portfolio of onshore wind farms in Germany. Support of the customer (municipal utility in Hessen) during tendering and contract negotiations with the WTG OEMs (Enercon and Nordex).

Confidential, Development of a cluster of two large Offshore Wind Farms in Germany, since 11/2021

Position: Deputy WTG Package Manager (until 10/2022 WTG Package Manager)

Description: Participation in the development phase for a cluster of large offshore wind farms in the German North Sea. Support of the customer (Joint Venture of two utilities) during tendering, contract negotiations, engineering and interface management.

Confidential, Technical Due Diligence for an Onshore Wind Farm in Germany, 09-10/2024

Support during a Technical Due Diligence for the planned purchase of a German onshore windfarm by a financial investor. Participation in the compilation and presentation of the results report with respect to the management summary as well as the topics WTG TSA, WTG SMA, EPC contract, substation licence agreement as well as the technical risks of the WTG model in the 6 MW class from SGRE.

Confidential, Technical Due Diligence for a portfolio of 28 Onshore Wind Farms in Germany, 04-05/2023

Support during a Technical Due Diligence for the planned purchase of a portfolio of 28 German onshore windfarms by a financial investor. Participation in the compilation and presentation of the results report with respect to the management summary as well as the topics service contracts, scope, OPEX and technical risks. Turbine types have been in the 1.5-2 MW class from the suppliers AN Bonus, Enercon, Fuhrlander, GE, Nordex, Repower and Vestas).

Confidential, Technical Due Diligence for a portfolio of 4 Offshore Wind Farms in Germany, 03-04/2023

Support during a Technical Due Diligence for the planned purchase of a share on a portfolio of 4 German offshore windfarms by a large German industrial company. Participation in TDD session with the developer of the wind farms in the North Sea and in the Baltic Sea and providing input for the TDD report. The focus of the support and the input to the TDD report was based on the topics WTG technology, installation schedule, commissioning, taking over and technical challenges.

Confidential, Development of two large Offshore Wind Farms in Germany, 10/2020 - 10/2021

Position: Lead Engineer and WTG Package Manager

Description: Participation in the development phase for a large offshore wind farms in the German North Sea as part of the preparation for the participation in the German 2021 auction according to the EEG and the WindSeeG. Support of the customer (Joint Venture of two utilities) during requests for proposals, price negotiations, the technical optimization, as well as for the preparation of the calculation of the business case with LCOE and bid price.

Confidential, Technical Due Diligence for a large 100 MW Onshore Wind Farm in Kosovo, 07-09/2022

Support during a Technical Due Diligence for the planned purchase of an onshore windfarm in Kosovo by a financial investor. The wind farm consists of 27 WTGs from GE with 3.8 MW rated power. Participation in the compilation and presentation of the results report with respect to the O&M contracts and operational management including AEP and OPEX.

Confidential, Technical Due Diligence for a portfolio of 60 Onshore Wind Farms in Germany, 01-02/2022

Support during a Technical Due Diligence for the planned purchase of a portfolio of 60 German onshore windfarms by a financial investor. Participation in the compilation and presentation of the results report with respect to the management summary as well as the topics service contracts, operational management including AEP and OPEX, turbine types (in the 1.5-4 MW class from the suppliers Enercon and Vestas), dismantling costs and the potential for lifetime extension.

Confidential, RfP for a large Offshore Wind Farm in South Korea, 05/2021 - 07/2022

Position: Principal WTG Engineer and Project Manager

Description: Support during the international RfP process for the wind turbines for a large offshore wind farm in South Korea. Support of the client (South Korean Engineering Company) with drafting the contracts as well as checking and validating the upcoming proposals.

Confidential, Development of a Floating Offshore Wind Farm in Wales, 04/2020 - 04/2022

Position: WTG Package Manager (Support of WTG Package Manager since 10/2021)

Description: Participation in the development phase of a floating offshore wind farm in the Keltic Sea. Support of the customer during contract negotiations and pre-FEED / conceptual design phase.

Confidential, Development of two large Offshore Wind Farms in Germany, 10/2020 - 10/2021

Position: Lead Engineer and WTG Package Manager

Description: Participation in the development phase for a large offshore wind farms in the German North Sea as part of the preparation for the participation in the German 2021 auction according to the EEG and the WindSeeG. Support of the customer (Joint Venture of two utilities) during requests for proposals, price negotiations, the technical optimization, as well as for the preparation of the calculation of the business case with LCOE and bid price.

Confidential, Technical Due Diligence for a portfolio of 16 Onshore Wind Farms in Germany, 06-07/2021

Support during a Technical Due Diligence for the planned purchase of a portfolio of German 16 onshore windfarms by a financial investor. Participation in the compilation and presentation of the results report with respect to the management summary as well as the topics service contracts, operational management, turbine types (in the 2-3 MW class from the suppliers AN Bonus, Enercon, Nordex and Vestas), permits, land lease agreements, decommissioning costs as well as decommissioning duties.

Confidential, Technical Due Diligence for two planned Offshore Wind Farms in Taiwan, 04/2021

Support during a Technical Due Diligence for the investment of a financial investor into two large offshore windfarms in Taiwan. Drafting parts of the TDD report in relation to the topics wind turbine technology and the anticipated extended operation above the 25 years design life.

Confidential, Support for planned Repowering of Onshore Wind Farms in Germany, 01/2021

Support of a financial investor with the planned repowering of existing German onshore windfarms. Participation during the review of standard contracts for supply and maintenance of the wind turbine generators from the potential suppliers Enercon, Nordex und Vestas with respect to the main scope of supply and services as well as the main risks and potential gaps in the contractual obligations.

Confidential, Support for Market Study on Purchase and Repowering of Onshore Wind Farms, 01/2021

Support during a market study for the planned purchase, repowering and major development risks of German onshore wind farms for a financial investor. Participation in the compilation and presentation of the results report with respect to the topics interfaces, comparison of turn-key with separate lots, typical liabilities and guarantees, main interface risks during project execution, as well as suitable service providers for repowering (decommissioning of existing windfarms and building the balance of plant for new windfarms).

Confidential, Technical Due Diligence for a Large Offshore Wind Farm in Poland, 01/2021

Support during a FEED Phase for a large offshore windfarm in Poland. Reviewing an expert report on the suitability and track record of the potential wind turbines in the 13 to 15 MW range as well as on the offshore track record of the related suppliers.

Confidential, Technical Due Diligence for two UK Offshore Wind Farms, 08/2020

Support in a technical due diligence for the wind turbine package in the course of the planned investment of a financial investor into two planned larger offshore windfarms in the UK. Participation in the creation of the red flag report.

Confidential, Risk Management for a German Offshore Wind Farm, 01-06/2020

Support in the risk management for a large German offshore wind farm during project execution with the background of the insolvency of the WTG supplier. The main topics have been costs and sourcing of major components, the storage of rotor blades as well as the potential purchase of blade moulds.

Confidential, SMA Negotiation for WTGs in German Offshore Wind Farm, 01-05/2020

Project Management on behalf of the operator for the negotiation of a SMA for the WTGs in a large German offshore wind farm, due to the end of term of the initial contract. Main tasks are the internal coordination of the preparation of the SMA and all contract appendices, as well as the review and commenting of the draft SMA and the appendices.

Confidential, Expert Witness Project Onshore Wind Farm in Australia, 11-12/2019

Support in an expert witness project for a larger onshore wind farm in Australia with GE wind turbines in the 3 MW range. The main focus is the technical review on the influence of daily curtailments on the service life of the wind turbines.

Confidential, SMA EU Tender for WTGs in German Offshore Wind Farm, 10/2019 - 10/2020

Technical project management for tendering a service and maintenance agreement (SMA) for the wind turbines in a large German offshore wind farm, due to the insolvency of the manufacturer Servion. Main task are the preparation and review of the SMA, including the technical and commercial appendices as well as the review of the bids and the negotiations with the bidders until contract signing.

Confidential, Technical Due Diligence Taiwan Offshore Wind Farm, 10-11/2019

Support in a technical due diligence for the wind turbine package in the course of the planned investment of a financial investor into a planned larger offshore windfarm in Taiwan. Participation in the creation of the red flag report as well as attendance in a workshop on the project in Taipei (Taiwan) with the client as well as the developer / owner of the project.

Confidential, Review Tender Documents Vietnam Offshore Wind Farm, 09/2019

Review and commenting the tender documents (Employers Requirements and technical data) for the wind turbines for a planned offshore windfarm off the Vietnam coast for the developer, respectively the technical advisor for the project.

Confidential, Project Management for O&M for German Offshore Wind Farm, 04-12/2019

Position: Project Manager and WTG Engineer

Project management for the development of manufacturer-independent maintenance and repair for the wind turbines of a large offshore wind farm in the German Bight. The main task is the coordination of the activities of the project team of the wind farm operator as well as the preparation of presentations for the reporting of the project status as well as the decision basis for the financing banks and the shareholders of the project. Further tasks include the processing and checking of the technical WTG documentation relevant for maintenance (including the escrow and as-built documentation, spare parts lists, operating and maintenance instructions, drawings, etc.).

Confidential, Delivery Management WTGs for German Offshore Wind Farm, 10/2018 - 04/2019

Position: Expeditor

Delivery management for the WTGs of an offshore wind farm in the German North Sea for the WTG manufacturer. Coordination of subcomponent production (for nacelle and hub) as well as for the towers and rotor blades up to the delivery of the major components (nacelles, hubs, towers and rotor blades) to the base harbour.

Confidential, Pre-Study Onshore Wind Tendering, 01-03/2019

Position: Technical Expert Wind Turbine Generators

Participation in the creation of a pre-feasibility study for tendering the wind turbine generators for a portfolio of planned onshore wind farms in Germany and France for an Eastern European power producer. The study intends to support the decision between tenders for single projects against framework contracts. In addition to this, also tender strategies and the importance of a strict LCOE approach was part of the study.

Confidential, Creation of LCOE Tool for Onshore Wind Farms, 08/2018

Creation of an Excel-based LCOE tool for a rough comparison of offers for the wind turbines for onshore wind farms for an Eastern European power producer. The tool is based on a yield and LCOE calculation which is based on the information from the wind turbine manufacturer (CAPEX, OPEX, guarantees, performance characteristics and technical data of the wind turbines) as well as assumed data of the customer (CAPEX and OPEX for BOP / the entire wind farm as well as the returns on equity and debt capital).

Nordsee One GmbH, Support during WTG Take-Over Process for the Offshore Wind Farm Nordsee One, 08/2017 - 10/2018

Position: Wind Turbine Engineer

Description: Review of the as-built documents and support during the take-over process including technical and HSE issues for the WTG package for a large-scale offshore wind farm in the German North Sea for the Nordsee One GmbH (Joint Venture of Innogy and Northland Power).

Confidential, Development of a Floating Offshore Wind Farm, 04-08/2017

Position: Deputy WTG Package Manager

Description: Participation in the development phase of a floating offshore wind farm in the Scottish North Sea. Support of the customer during contract negotiations and FEED / conceptual design phase.

Confidential, Development of two large Offshore Wind Farms, 06/2016 - 04/2018

Position: Lead Engineer and WTG Package Manager

Description: Participation in the development phase for two large offshore wind farms in the German North Sea as part of the preparation for the participation in the auction according to the EEG 2017. Support of the customer (Joint Venture of two utilities) during requests for proposals, price negotiations, the technical optimization, as well as for the preparation of the project calculation with the target to define a competitive bid price.

Confidential, Market Entry Support, 05/2016

Support of a leading German and international company from the chemical industry for a potential market entry in the wind industry. Preparation of a workshops and presenting relevant topics out of the wind industry with potential applications for the company's special performance products, which could improve the leading edge - and lightning protection of rotor blades, or the insulation of bearings and generators.

Confidential, Tender Support for several Offshore Wind Farms, 01-05/2016

Position: Technical Project Manager for the OEM

Description: Support of the technical contract negotiations for several European offshore wind farms as the technical project manager on behalf of a major German WTG manufacturer. Coordination and commenting of the technical contract content and appendices, as well as participation during the negotiations of the technical documents.

**Projects
as a Consultant with DNV GL / KEMA (07/2010-12/2015)**

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 11-12/2015

Position: Project Manager in Charge

Description: Technical due diligence for the purchase of the operational German wind farm with 4 x eno 114-3.5 MW by a German group of municipal utilities. Preparation of a due diligence report with a site visit and the evaluation of the wind turbines, the WTG supply and service contracts, the contracts for the technical and commercial operations management, the EPC contract for BoP as well as with an overall risk analysis for the project.

Confidential, Technical Review of the eno 114 wind turbine, since 08/2015

Position: Project Manager in Charge

Description: Technical review of the wind turbine eno 114-3.5 MW for investors and banks. Assessment of the experience of eno energy systems GmbH in terms of development, production, as well as service and maintenance of wind turbines. Summary of the major findings in a final report, including an assessment of the technical concept of the turbine. The assessment has been based on data and specifications, provided by eno and represented an update of a former assessment of the eno 114 by DNV GL.

Confidential, Tender Support for two Offshore Wind Farms 07-10/2015

Position: Technical Project Manager for the OEM

Description: Support of the technical contract negotiations for two European offshore wind farms as the technical project manager on behalf of a major German WTG manufacturer. Coordination and commenting of the technical contract content and appendices, as well as participation during the negotiations of the technical documents.

Confidential, Vendors TDD for a German Offshore Wind Farm, 06/2015

Position: Project Team Member

Description: Technical Assessment of the Siemens SWT-3.6-120 wind turbine as part of a Vendors Technical Due Diligence for a German offshore wind farm in operation. Summary of the manufacturer and WTG track record, as well as the technical concept of the machine.

Confidential, Relocation of Onshore Wind Farm, 01/2013 - 06/2015

Position: Project Manager in Charge for the OEM

Description: Project management for the relocation of an operable onshore wind farm with two 5 MW wind turbines. Management of the lots foundation works, decommissioning on the old site, transport to the new site, installation and commissioning - including tendering for the relevant services, budgeting as well as scheduling.

Confidential, Technical Review of the eno 126 wind turbine, 02-05/2015

Position: Project Manager in Charge

Description: Technical review of the wind turbine eno 126-3.5 MW in the development stage for investors and banks. Assessment of the experience of eno energy systems GmbH in terms of development, production, as well as service and maintenance of wind turbines. Summary of the major findings in a final report, including an assessment of the technical concept of the turbine. The assessment has been based on data and specifications, provided by eno, as well as on a former assessment of the eno 114 by DNV GL.

Confidential, Global Market Review for a leading wind turbine manufacturer, 04/2015

Position: Project Team Member

Description: Market review of the German market, as part of a larger project with the review of further international markets for a leading Asian wind turbine manufacturer. Summary of the main relevant market data in a report, such as market size, competitors, typical customers with their requirements, governmental support (feed in tariff), certification requirements, market price range and typical site specifications.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 12/2014 - 01/2015

Position: Project Team Member

Description: Technical Due Diligence on an onshore wind farm in North-East Germany. The client considers investing in a wind turbine generator (WTG) type Enercon E-101, being part of a larger wind farm. The WTG has a hub height of 135 m and a rotor diameter of 101 m. Analysis of permissions, wind yield report and other expert assessments, technical concept, and contracts, being presented in a data room. Additionally, an on-site inspection was performed. Assessment of the concept, present condition of the plant, risk analysis, and evaluation of the price conditions.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 09-10/2014

Position: Project Team Member

Description: Technical Due Diligence for the planned purchase of a German onshore wind farm in Lower Saxony with 7 Nordex N117/2400 by a Swiss utility. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the consent. Evaluation of the energy yield reports.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 09/2014

Position: Project Manager in Charge

Description: High level Due Diligence of a planned wind farm in Bavaria (Germany) with 5 Nordex N117/2400 and 141 m hub height for a German investor. Summary and review of CAPEX / OPEX of the wind farm and comparison with market standards. Evaluation of the energy yield reports.

Confidential, Lenders Engineering for a German Onshore Wind Farm 07-08/2014

Lenders Engineering for a German onshore wind farm in Rhineland-Palatinate with six GE 2.5-120 2,5 MW wind turbines and a hub height of 139 m on hybrid towers for the financing bank. Deputy support for site visits and WTG inspections during the installation phase of the wind farm.

Confidential, Validation of Asset Management for 2 German Offshore Wind Farms, 09/2013 - 02/2014

Position: Project Manager in Charge

Description: Validation of the asset management for two German offshore wind farms for a German utility. Assessment of the contracts for the maintenance of the WTG, the offshore substation, the foundations, as well as the inter array cables.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 06-07/2013

Position: Project Manager in Charge

Description: Technical Due Diligence for the planned purchase of a German onshore wind farm with 8 Vestas V90-2.0 MW in the planning phase by a German municipal utility. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the contracts for the transfer of the consent and the rights on the wind farm. Evaluation of the existing energy yield reports as well as delivery of an own energy assessment. Participation in the overall risk analyses for the project.

Confidential, Support Contract Negotiations for WTG for a German Offshore Wind Farm, 06-07/2013

Position: Project Manager in Charge

Description: Support during contract negotiations for the purchase of Alstom Halide 150 6.0 MW WTGs for a large offshore wind farm in German waters for a German project developer. Technical evaluation of the offer from Alstom for the WTG delivery, installation, commissioning, as well as O&M with the focus on scope of supply, interfaces, risks and technology.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 02/2013

Position: Project Manager in Charge

Description: Technical due diligence for the purchase of the planned German wind farm with 11 x Vestas V112 3.0 MW at 140 m hub height and 1 x Vestas V90 2.0 MW Grid Streamer at 125 m hub height by a German group of municipal utilities. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the contracts for the transfer of the consent and the rights on the wind farm. Support of the customer during the contract negotiations. Participation in the overall risk analyses for the project.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 01-02/2013

Position: Project Manager in Charge

Description: Technical Due Diligence for the planned purchase of a German onshore wind farm with 10 Vestas V112-3.0 MW in the planning phase by a German municipal utility. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the contracts for the transfer of the consent and the rights on the wind farm. Evaluation of the existing energy yield reports as well as delivery of an own energy assessment. Participation in the overall risk analyses for the project.

Confidential, Technical Due Diligence for two French Onshore Wind Farms, 12/2012 - 01/2013

Position: Project Team Member

Description: Technical Due Diligence for the planned purchase of two connected French onshore wind farms with 5 and 2 REpower MM92 WTG on 80 m hub height for a German municipal utility. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the contracts for the transfer of the consent and the rights on the wind farm. Participation in the overall risk analyses for the project.

Confidential, Technical Due Diligence for a German Onshore Wind Farm, 11/2012

Position: Project Manager in Charge

Description: Technical due diligence for the purchase of the planned German wind farm with 5 x Vestas V90 2.0 MW Grid Streamer at 125 m hub height by a German group of municipal utilities. Preparation of a due diligence report on the wind turbines planned, evaluation of the WTG supply and service contracts, the contracts for the technical and commercial operations management, as well as the contracts for the transfer of the consent and the rights on the wind farm. Participation in the overall risk analyses for the project.

Confidential, Workshop on Offshore O&M Strategies 10/2012

Position: Project Team Member, Presenter in the workshop

Description: Development and executing a workshop on operation and maintenance strategies for remote offshore wind farms, including basic principles, typical contracts, interfaces, costs, logistics and the execution of simulations using the ECN Cost Model for a British developer and operator of offshore wind farms.

Confidential, Support Contract Negotiations for WTG for a German Offshore Wind Farm, 09/2012

Position: Project Manager in Charge

Description: Support during contract negotiations for 6 MW wind turbines for a German project developer of an offshore wind farm in the Baltic Sea. Review of the first budget price offer for the supply and O&M of the WTG in terms of scope, interfaces and risks.

Confidential, Support for Approval Process for an Offshore Transformer Station in the German North Sea, 09/2012

Position: Project Team Member

Description: Support for the approval process („Planfeststellungsverfahren“, and „BSH Prozess“) for an offshore transformer platform in the German North Sea for the turn key supplier of the installation in the bidding phase.

Confidential, Technical Comparison of Offshore Wind Turbines of 6 MW Class, 07-08/2012

Position: Project Manager in Charge

Description: Technical comparison of different offshore wind turbines in the 6 MW class for a German project developer of a planned offshore wind farm. Preparation of a report consisting of the technical description and comparison of the wind turbines (Alstom HALIADE 150 6MW, REpower 6M, REpower 6M 152 and Samsung SHI 7 MW), the advantages and disadvantages of the different technology, the potential energy yield as well as the track record of the suppliers.

Confidential, Interims Manager for German Onshore Wind Farm, 07-08/2012

Position: Project Team Member

Description: Interims management for the installation of two multi-megawatt wind turbine generators in a German wind farm in a vineyard with concrete-steel hybrid towers for the German manufacturer of the turbines. Coordination of the scope of the customer (grid connection, expert reports, access roads and crane pads) and the turbine manufacturer (foundation and concrete tower, transport and installation) as well as contract management.

Confidential, Coordination of Approval Process for an Offshore Converter Station in the German North Sea, 05-08/2012

Position: Project Manager in Charge

Description: Coordination of the approval process (according to the German „Planfeststellungsverfahren“ and the BSH consent process) for an offshore converter station in the German exclusive economic zone for a German transmission system operator.

Confidential, Study on Repowering of Onshore Wind Farms in the US, 04/2012

Position: Project Team Member

Description: Study on repowering of onshore wind farms for an US American energy research institute. Based on the repowering experiences in the most important European markets for wind energy, an estimation of the US potential, as well as the drivers and hurdles and recommendation for the support of repowering have been summarized in a report.

Confidential, Project Management for a German Forest Wind Farm, 02/2012 - 02/2013

Position: Project Manager in Charge

Description: Project manager for the installation of five multi-megawatt wind turbine generators in a German forest wind farm with concrete-steel hybrid towers for the German manufacturer of the turbines. Coordination of the scope of the customer (grid connection, expert reports, access roads and crane pads) and the turbine manufacturer (foundation and concrete tower, transport and installation) as well as contract management.

Confidential, Project Management for a German Forest Wind Farm, 12/2011 - 02/2013

Position: Project Manager in Charge

Description: Project manager for the installation of five multi-megawatt wind turbine generators in a German forest wind farm using concrete-steel hybrid towers for the German manufacturer of the turbines. Coordination of the scope of the customer (grid connection, expert reports, access roads and crane pads) and the turbine manufacturer (foundation and concrete tower, transport and installation) as well as contract management.

Confidential, Relocation of a German Onshore Wind Farm, 10-12/2011

Position: Project Manager in Charge

Description: Project for the relocation of two multi-megawatt wind turbine generators for a German manufacturer. Preparation and compilation of the documents for the approval process and cost estimation for foundations, disassembling, transport and installation.

Confidential, Workshop on Wind Energy in Macedonia, 09/2011

Position: Project Team Member

Description: Workshop on Wind Energy (General Principles, Wind Turbine Generators, Influence on Electricity Production, Future Trends, Grid and System Stability) in the course of a larger project for the implementation of wind energy into the Macedonian grid.

Confidential, Owners Engineer and Technical Consultancy for the German Forest Wind Farm ‘Siegbach, 08/2011 - 01/2012

Position: Project Manager in Charge

Description: Owners Engineer and Technical Consultant during installation of the German forest wind farm ‘Siegbach’ with three Nordex N100/2500 at 140 m hub height and on concrete-steel hybrid towers. Site visits with reporting, inspections of infrastructure and WTG’s, document checking and mediation between the involved companies, authorities and the customer.

Confidential, Technical Due Diligence for the Purchase of the German Offshore Wind Farm MEG 1, 07/2011

Position: Project Team Member

Description: Technical due diligence for the planned purchase of the German offshore wind farm MEG 1 by an Australian/British investment company. Preparation of a report on the wind turbines (Areva M5000), the foundations, the purchase and service contracts, the offshore substation, the consent and evaluation of the external energy yield reports. Participation in the overall risk analyses for the project.

Confidential, Engineering Evaluation of Foundation Types and Economic Evaluation of 2 Theoretical Offshore Wind Farms in the US, 05-12/2011

Position: Project Team Member

Description: Engineering evaluation of foundation types used in offshore wind projects and economic evaluation of two theoretical wind project in the United States (one in the north-eastern United States and one in the Great Lakes region with assuming the Siemens SWT-3.6-120 WTG) and one actual offshore wind project in the United Kingdom for an American energy research institute.

Confidential, Technical Due Diligence for the Purchase of the German Forest Wind Farm ‘Siegbach, 05/2011

Position: Project Manager in Charge

Description: High level project and risk assessment (Technical due diligence) for the planned purchase of the German forest wind farm ‘Siegbach’ with 3 x Nordex N100/2500 at 140 m hub height and on concrete-steel hybrid towers. Preparation of a presentation on the wind turbines planned, evaluation of the WTG supply and the WTG service contracts, as well as the contracts for the transfer of the consent and the rights on the wind farm. Participation in the overall risk analyses for the project.

Confidential, Technical Implementation Concept for Marine and Navigation Marking for the German Offshore Wind Farm Nordsee Ost, 02-05/2011

Position: Project Manager in Charge

Description: Author of a technical implementation concept for the marine and navigation marking as part of the approval process of the German offshore wind farm Nordsee Ost.

Confidential, Technical Comparison of different Multi MW Offshore Wind Turbines, 02-04/2011

Position: Project Manager in Charge

Description: Technical comparison of the major multi megawatt offshore wind turbines for a German project developer of offshore wind farms. Preparation of a report consisting of the technical description and comparison of the wind turbines (Areva M5000, Bard 5.0, REpower 5M, REpower 6M, Siemens SWT-3.6-107, Siemens SWT-3.6-120, Vestas V90-3.0 MW), the advantages and disadvantages of the different technology, the energy yield as well as the track record of the suppliers.

Confidential, Due Diligence for the Planned Purchase of 4 German Onshore Wind Farms, 11/2010

Position: Project Team Member

Description: Due Diligence for the planned purchase of four German onshore wind farms with five different wind turbine types (Nordex S77, Nordex N90, Vestas V80-2.0 MW, Vestas V90-2.0 MW, Vestas V90-3.0 MW) for a German municipal utility. Preparation of the technical reports on the different wind turbines planned and participation in the overall risk analyses for the four projects.

Confidential, Due Diligence for the Offshore Wind Farms Global Tech I and Riffgat, 09-10/2010

Position: Project Team Member

Description: Due Diligence for the two offshore wind farms Global Tech I and Riffgat in the North Sea for a German municipal utility. Preparation of two technical reports on the two different wind turbines planned (Areva M5000, Siemens SWT-3.6-107 / Siemens SWT-3.6-120) and participation in the overall risk analyses for the two projects.

German utility, Turbine Engineer in Project Team for a German Offshore Wind Farm, 09/2010 - 06/2011

Position: Project Team Member

Description: Turbine Engineer in the wind turbine generator group (technical quality management, "Schutz- und Sicherheitskonzept", approval process etc.) for a German offshore wind farm in the execution phase.

Confidential, Evaluation of a Technical Code for the Implementation of Wind Energy in Belarus, 09/2010

Position: Project Team Member

Description: Evaluation of a technical code for the implementation of wind energy as part of the renewable energy framework of Belarus.

Confidential, FEED-Study for the Offshore Wind Farms He Dreiht and Hohe See, 07-09/2010

Position: Project Team Member

Description: FEED-Study for two offshore wind farms in the German North Sea, Work package O&M - Development of an operation and maintenance strategy and technical comparison of six different suitable WTG types in the range of 3-6 MW (Areva M5000, Bard 5.0, GE 4.1-100, REpower 6M, Siemens SWT-3.6-120).

Selected Projects

with REpower / Senvion (10/2000 - 06/2010)

10/2007 - 06/2010

Establishment and head of the new group Product Management in the business unit offshore wind with the main tasks of technical sales support, preparation of product documents (for approval process, sales and project execution), benchmarking and market studies as well as product definition with standards, options and prices.

01/2008 - 11/2008

Heading the negotiations of the technical contract for the offshore wind farm alpha ventus and the cost and price calculation as well as support during the negotiations of the commercial contract for the project.

09/2004 - 04/2008

Senior project management for the onshore wind farm Cuxhaven with 2 REpower 5M from the approval process, the contract negotiations with customers and the suppliers for foundations, transport and installation through to the installation and commissioning of the wind farm, until takeover.

10/2000 - 10/2004

Requirement specification and support in the context of the development of the offshore wind turbine REpower 5M, including sales and project development for the prototype of the WTG in Brunsbuettel (Germany).