

Curriculum vitae

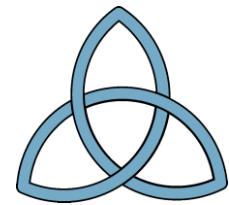


Consultant: Søren Gjerding

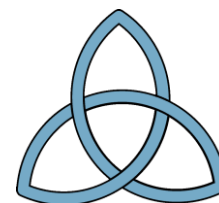
Søren Gjerding was Managing Director of Tripod Wind Energy and Tripod Engineering for 28 years and Chief Project Manager in Cowi's wind department for 11 years and hence, Søren Gjerding has 39 years of experience working as a consultant solely within the wind energy sector. Søren Gjerding has been involved in more than 400 assignments covering more than 300 wind power projects all over the world and more than 20 wind turbine makes.

In February 2019, Søren Gjerding established Njord TA, who primarily provides technical assistance to investors, investing in offshore wind farms.

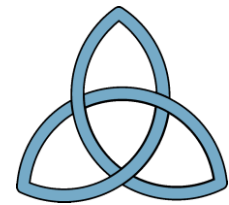
Date of birth	1950
Nationality	Danish
Education	M. Sc. Engineering. Denmark Technical University. 1975. B. Com. Copenhagen School of Business Administration, 1985
Training	GWO 2018: Sea Survival, Working at Heights, First Aid, Manual Handling, Fire Awareness. Helicopter underwater escape training (HUET) (Some may not be updated according to GWO requirements)
Key qualifications	<p>Søren Gjerding has been involved in all phases of wind power project from preparation, installation to operation and end of warranty. His merits cover preparation of feasibility studies, wind studies, and appraisal reports, planning of wind measurement programs, specification of equipment and survey of wind resources, including data processing and assessment of the annual energy output. He has also carried out analyses of measuring data and micro siting, i.e. optimization of the output of wind farms.</p> <p>Søren Gjerding has extensive experience as project manager responsible for technical assistance assignments covering a large range of subject specialists. He has provided technical assistance to wind farm developers on technical issues and guarantees incorporated in commercial contracts with wind turbine suppliers.</p> <p>Finally, Søren Gjerding has performed more than 40 due diligences – onshore and offshore wind farms - and has throughout his career provided consultancy on financial aspects of technical problems, as well as technical and economical assessments of insurance claims.</p>
Work experience, On-shore	China, India, Japan, Malaysia, Philippines, Sri Lanka, South Korea, and Thailand; Brazil, Costa Rica, Dominican Republic, El Salvador, Guatemala, Jamaica and Nicaragua; Canada, Mexico, and USA ; Egypt, Kenya, Morocco, South Africa, and Swaziland; Bulgaria, Bosnia, Croatia, Denmark, England, Estonia, Faroe Islands, Finland, Germany, Greece, Holland, Ireland, Italy, Latvia, Macedonia, Norway, Poland, Portugal, Scotland, Spain, Sweden, Turkey, and Wales;
Work experience, Off-shore	Denmark, United Kingdom and Germany.



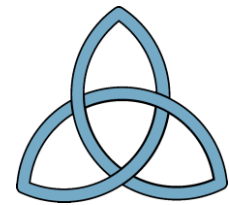
UNITED KINGDOM OFF-SHORE 2019 - ONGOING PKA AND PFA	WALNEY EXTENSION – MONITORING OPERATION & TECHNICAL ASSISTANCE TO INVESTORS. Project Manager. Monitoring operation of Walney Extension 660 MW offshore wind power project comprising 40 MVOW V164-8.25 MW and 47 SGRE SWT 7.0 – 154 turbines and ad hoc Technical assistance to investors.
UNITED KINGDOM OFF-SHORE 2019 - ONGOING PKA AND KIRKBI A/S	BURBO BANK EXTENSION – MONITORING OPERATION & TECHNICAL ASSISTANCE TO INVESTORS. Project Manager. Monitoring operation of Burbo Bank Extension 256 MW offshore wind power project comprising 32 MVOW V164-8.0 MW turbines and ad hoc Technical assistance to investors.
GERMANY OFF-SHORE 2019 - ONGOING PKA AND IP	GODE WIND 2 – MONITORING OPERATION & TECHNICAL ASSISTANCE TO INVESTORS. Project Manager. Monitoring operation of Gode Wind 2, 252 MW offshore wind power project comprising 42 Siemens SWT6.0-154 turbines and ad hoc Technical assistance to investors.
DENMARK OFF-SHORE 2019 - ONGOING PENSION DANMARK & PKA	ANHOLT OWF – MONITORING OPERATION & TECHNICAL ASSISTANCE TO INVESTORS. Project Manager. Monitoring operation of Anholt 400 MW offshore wind power project comprising 111 Siemens SWT3.6-120 turbines and ad hoc Technical assistance to investors.
USA ONSHORE 2019 - ONGOING PENSION DANMARK	MONITORING OPERATION & TECHNICAL ASSISTANCE TO INVESTOR. Project Manager. Monitoring operation of three onshore wind farms (180 MW, 200 MW and 83 MW) in USA and ad hoc Technical assistance to investor.
UNITED KINGDOM 2017 - 2019 PKA AND PFA	WALNEY EXTENSION – MONITORING IMPLEMENTATION AND TAKING OVER VERIFICATION. Project Manager. Monitoring implementation and Taking Over verification of Walney Extension 660 MW offshore wind power project comprising 40 MVOW V164-8.25 MW and 47 SGRE SWT 7.0 – 154 turbines.
DENMARK 2016 - 2018 NRGI	RØDBY FJORD ONSHORE WIND FARM (PART) - TAKING OVER SUPPORT. Project Manager. Technical assistance during taking over of Rødby Fjord 4 WTGs Vestas V117-3.45 MW
UNITED KINGDOM 2015 - 2019 PKA AND KIRKBI A/S	BURBO BANK EXTENSION – MONITORING IMPLEMENTATION AND TAKING OVER VERIFICATION. Project Manager. Monitoring implementation and Taking Over verification of Burbo Bank Extension 256 MW offshore wind power project comprising 32 MVOW V164-8.0 MW turbines.



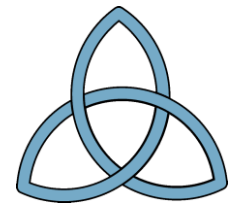
<p>GERMANY AND SWEDEN 2015 - 2016 PRIVATE INVESTOR (NAME CONFIDENTIAL)</p>	<p>DUE DILIGENCE OF PORTFOLIO OF ONSHORE WIND FARMS. Project Manager. Technical due diligence of a portfolio of onshore wind farms.</p>
<p>DENMARK 2015 GPP</p>	<p>VATTENFALL PORTFOLIO OF ONSHORE WIND FARMS. Technical Expert. Technical due diligence of a portfolio of onshore wind farms</p>
<p>GERMANY 2014 - 2019 PKA AND IP</p>	<p>GODE WIND 2 – MONITORING IMPLEMENTATION AND TO VERIFICATION. MONITORING OPERATION. Project Manager. Monitoring implementation and Taking Over verification of Gode Wind 2 252 MW offshore wind power project comprising 42 Siemens SWT6.0-154 turbines.</p>
<p>COSTA RICA 2013 - 2014 IDB/ICE</p>	<p>WIND STUDY FOR TEJONA REPOWERING PROJECT. Project Manager. The overall objective of the assignment was assessment of the energy potential for repowering of the Tejona wind farm. The assignment included training in installation of measurement masts according to IEC standards, data handling, preparation of wind studies and overall O&M issues.</p>
<p>NETHERLANDS 2014 PENSION DANMARK</p>	<p>LIMITED TECHNICAL DUE DILIGENCE - ONSHORE WIND FARM. Project Manager. Limited technical due diligence of a planned 200 MW onshore wind farm.</p>
<p>DENMARK 2014 SAMPENSION</p>	<p>ULVEMOSEN ONSHORE WIND FARM. Project Manager. Limited technical due diligence of Ulvemosen planned 26 MW onshore wind farm</p>
<p>PHILIPPINES 2014- PRIVATE INVESTOR (NAME CONFIDENTIAL)</p>	<p>LIMITED TECHNICAL DUE DILIGENCE – ONSHORE WIND FARM. Project Manager. Limited technical due diligence of a planned wind power project.</p>
<p>VIETNAM 2013 DANIDA BUSINESS FINANCE</p>	<p>PRE-APPRAISAL OF LOI HAI WIND FARM. Project Manager. Pre appraisal / Screening of 50 MW (24 MW + 26 MW) Loi Hai wind farm.</p>
<p>DENMARK 2013 PRIVATE INVESTOR (NAME CONFIDENTIAL)</p>	<p>TECHNICAL DUE DILIGENCE – ONSHORE WIND FARM. Project Manager. Technical due diligence of a planned 24 MW onshore wind farm.</p>



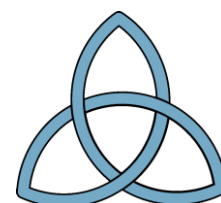
<p>DENMARK 2013 PRIVATE INVESTOR (NAME CONFIDENTIAL)</p>	<p>TECHNICAL DUE DILIGENCE – OFFSHORE WIND FARM. Project Manager. Initial technical due diligence of existing offshore wind farm.</p>
<p>JAMAICA 2013 IDB/WIGTON WIND FARM</p>	<p>APPRAISAL OF WIGTON 3 WIND POWER PROJECT. Project Manager. The assignment covered an appraisal of phase 3 project of Wigton Wind Farm. The purpose of the assignment was to perform an independent wind resource analysis, assess environmental and planning issues and an analysis of different financing options for phase 3 considering possible re-financing of phase 1 and 2.</p>
<p>BOSNIA 2012 – 2014 ERS/KFW</p>	<p>WIND MEASUREMENT PROGRAMME AND FEASIBILITY STUDIES FOR FIVE WIND FARMS IN THE REPUBLIKA SRPSKA. Project Manager. Installation of wind measuring equipment on 5 sites. Assessment of the sites' suitability for installation of wind power projects. Preparation of five feasibility studies.</p>
<p>DENMARK 2011 - 2019 PENSION DANMARK & PKA</p>	<p>ANHOLT OWF – MONITORING IMPLEMENTATION AND TO VERIFICATION. MONITORING OPERATION. Project Manager. Monitoring implementation and Taking Over verification of the Anholt 400 MW offshore wind power project comprising 111 Siemens SWT3.6-120 turbines.</p>
<p>DENMARK 2013 PRIVATE INVESTOR (NAME CONFIDENTIAL)</p>	<p>TECHNICAL DUE DILIGENCE – DANISH ONSHORE WIND TURBINE PORTFOLIO. Project Manager. The assignment covered annual production estimate and overall technical assessment of a wind turbine portfolio consisting of more than 250 wind turbines. Project management, risk of main component failure, assessment of O&M and decommissioning.</p>
<p>USA 2011 - 2019 PENSION DANMARK</p>	<p>TECHNICAL DUE DILIGENCE AND MONITORING OPERATION – THREE WIND POWER PROJECTS IN USA. Project Manager. The assignment comprised annual production estimate and overall technical assessment of 3 wind farms: Papalote Creek I (Texas) 180 MW. Papalote Creek II (Texas) 200 MW Stony Creek (Pennsylvania) 53 MW. Further, technical assistance in relation to operation is being provided.</p>
<p>PHILIPPINES 2012 - 2019 PRIVATE DEVELOPER (NAME CONFIDENTIAL)</p>	<p>WIND STUDY AND TENDER FOR WIND POWER PROJECT. Assistant Project Manager. The assignment covered performance of a wind study and preparation of tender and draft contract for a wind power project in the Philippines</p>



DENMARK 2010-2011 PENSION DANMARK & PKA	DUE DILIGENCE OF ANHOLT 400 MW OFFSHORE WIND POWER PLANT. Project Manager. The assignment comprised a technical due diligence of the Anholt Offshore Wind Power Plant with 111 SWT3.6-120 turbines
DOMINICAN REPUBLIC 2010-2019 DANIDA	QUILVIO CABRERA 8.25MW WIND POWER PROJECT. Project Manager. The assignment covered technical assistance to Danida in relation to changes in the contract and the project. The project parties were CEPM and Vestas. Services covered price verification, negotiations with Vestas and CEPM for a solution acceptable for Danida, and review of the amendment to contract.
DENMARK 2010 PRIVATE INVESTOR (NAME CONFIDENTIAL)	TECHNICAL ASSISTANCE FOR WIND FARM PROJECT DEVELOPMENT. Project Manager. The services included AEP estimates, micro-siting, wind study and other turbine related issues.
PHILIPPINES 2010 NORTH WIND POWER DEVELOPMENT CORPORATION	BANGUI BAY PHASE I AND II. Project Manager. The purpose of the assignment was to provide technical assistance to North Wind Power Development Corporation in regard to assessment of generators, gearboxes, blades, electrical system and other technical wind turbine and wind farm related issues.
DENMARK 2009-2010 DONG A/S	TECHNICAL DUE DILIGENCE OF NYSTED 165 MW OFFSHORE WIND FARM. Project Manager. The assignment was a technical vendor due diligence for the 165 MW Nysted offshore wind farm comprising 72 Siemens SWT2.3-82 The services comprised technical appraisal of long-term AEP, the electrical system & grid connection, and foundations. Further, technical assessment of environmental impact and overview of the operational expenses and the decommissioning were performed.
DENMARK 2009-2010 MARINE SERVICES & TRYG INSURANCE	TRANSPORT DAMAGE OF 52V NACELLES. Project Manager. The assignment included review of the damage report, follow-up and assessment of the activities of the damage inspection, and preparation of a brief note at the end of the assignment.
DOMINICAN REPUBLIC 2009-2010 DANIDA	RELOCATION OF CABO ENGAÑO WIND POWER PROJECT. Project Manager. The project comprised expert advice to the Danida on the relocation of the Cabo Engaño Wind Power Project. The assignment covered a technical re-appraisal of the project given the new location at Quilvio Cabrera. The services comprised a full technical re-appraisal including advice and conclusions regarding the relocation of the project.



PHILIPPINES 2009-2010 DANIDA	BANGUI BAY PHASE I. Project Manager. The assignment covered technical assistance to Danida in relation to the third year review and end of guarantee verification. The project parties were North Wind Power Development Corporation and Vestas. Services included inspection of the project, negotiations with Vestas and reporting to Danida.
MACEDONIA 2008- ENERGY AGENCY OF THE REPUBLIC OF MACEDONIA	ESTABLISHING A WIND DATA BASE. Project Manager. The objective of the assignment was to develop a Wind Data Base based on a number of measuring masts installed in high potential wind areas. The masts, including procedures for data collection and storage of data in the database was required to meet international standards and practices. Services included identification of four potential sites where met masts should be installed, preparation of specifications for equipment (masts and instrumentation), preparation of procedures for data collection and storage of the data base and preparation of procedures for operation, maintenance and access of equipment database.
DOMINICAN REPUBLIC 2008-2010 PRIVATE DEVELOPER/UTILITY (NAME CONFIDENTIAL)	TENDER AND CONTRACT ASSISTANCE FOR 50MW WIND FARM. Warranty Expert. The purpose of the assignment was to assist a private developer with the contractual set-up relating to a 50 MW wind power project. The assignment included assessment of a supply and installation contract, assessment of service and availability agreement, preparation of tender for Balance of Plant, evaluation of tender, etc.
EGYPT 2007-2010 DANIDA	MONITORING OF ZAFARANA III WIND FARM. Project Manager. The purpose of the assignment was to perform overall verification of the implementation process of 142 turbines for a 120 MW project in Zafarana site. The project parties were New and Renewable Energy Agency and Gamesa. Services included verification of installation and commissioning of eleven circuits, SCADA system, spare parts & consumables, training program, O& M manuals and final take-over certification.
PHILIPPINES 2006-2010 DANIDA	BANGUI BAY PHASE II BANGUI BAY PHASE II IS AN 8.25MW WIND FARM. Project Manager. The assignment covered a desk appraisal and price verification, as well as technical assistance in relation to project preparation. Additional services included take over verification and yearly review of the project.



CHINA

2006-2009

CHINA HYDROPOWER
ENGINEERING CONSULTING
GROUP (CHECC)

DANISH-CHINESE WIND ENERGY DEVELOPMENT PROGRAMME (WED).

Project Manager.

Implementation of WED was of a duration of three years. The objective of the assignment was that framework, plans and capacities were strengthened on effective exploitation of wind energy on national level as well as in three selected provinces. COWI's role was to support appraisal of three wind farms - 300 MW, 200 MW & 49 MW - and to provide technical assistance in respect of wind measurement, wind analyses and wind farm micro-siting. Furthermore, COWI prepared the wind resource and wind turbine parts of the Chinese Wind Power Project Feasibility Study Template.