

Curriculum vitae / References (Tobias Kamp)

Professional background:

2017/10 - Freelancer Engineer

(NAP, Arnstadt/Germany)

2017/09 - 2017/03 – Freelancer Engineer

(NAP, Toronto/Canada)

- *Acquiring fluent foreign language skills in areas of communication and technical English in preparation for the IELTS (fall 2017)*
- *Entering projects in North America and learning their grid code requirements (incl. NEC, CEC, ANSI)*
- *Self-studying grid connection planning/transformer substations in North America through diverse standard literature and current theses*

2017/02 – 2016/10 Project Leader for Substations/Switchgear

(Thüringer Energienetze, Erfurt), resigned due to the international professional experience opportunity

- *Collaboration in energy suppliers' work groups on topics of net quality*
- *Shaping guidelines (TAB)*
- *Technical construction management and acceptance of electrical components (substations)*

2017/02 – 2016/11 Independent acquirer for wind turbines

(Energiekontor, Bremen), resigned due to the international professional experience opportunity

- *Conversing with landowners and mayors*
- *Consulting landowners about 2017 tendering model*

2016/07 – 2016/02 Work & Travel, Australia

- *Clerical assistance, Melbourne (3 months)*
- *Location analysis (implementation of electrical connection/renewable energy in Australia, New Zealand and Fiji)*

2015/12 – 2013/10 Electrical Engineer in Planning/Implementation (Wind Energy)

(PNE Wind, Cuxhaven), resigned due to personal time-out

- *Supporting a bachelor with the MV-distant protection for a wind farm design project (35 kV-power supply)*
- *Developing calls for tender and participating in negotiations regarding transfer stations and substations for wind parks*
- *Drafting measurement and settlement concepts (metrology) for various energy suppliers*
- *Developing grid connection concepts (project funding)*
- *Responsible (on corporate level) for the SDLWindV-certification of leading German companies in the Central and North German grid area, dealing with certifiers, power supply companies and equipment manufacturers*
- *Network calculations according to the different GridCodes*
- *Grid connection of the wind parks*
- *Technical acceptance of the transfer stations/wind substations, as well as their components (national/international)*

2013/08 – 2011/05 Project Engineer in Electrical Technology (Solar/Wind)

(Boreas Energie, Dresden), resigned due to the graduation

- Production of a master's thesis for the network protection of a HV-connection under bilateral load flow and special fault conditions present at wind turbines
- Maintenance and servicing of wind turbines
- Communication concepts for the solar parks (optical fiber wiring)
- Involvement in SDLWindV-certification of leading German companies in the Central German grid area (all Boreas projects; partially SDL-conversion)
- Network calculations for MV and HV grid connections (load flow and short circuit calculations)
- Developing technical wiring diagrams in AutoCAD
- Protection concepts for wind parks (UMZ, transformer differential protection, distant protection)

2013/08 – 2012/02 State Working Committee on Energy

(SPD, Dresden), resigned due to moving to another location

- Invited by Constanze Krehl, member of the European Parliament in Brussels (group visit)
- Involvement in implementing the concept "100% renewable for the federal land's capital, city of Dresden" (incl. collaboration with Wolfgang Tiefensee, Albrecht Palas)

2011/02 – 2010/10 Bachelor studies

(Berghof Automationstechnik, Mühlhausen), resigned after receiving B.Eng.

- Creating a functional laboratory test set-up
- Establishing communication between hardware components and IPC
- Programming a performance test application in LabVIEW under real time conditions (EtherCAT)