

Position:	Head of Department Wind Energy	Nationality:	German
Born:	1971	With Firm since:	2005

Key Qualifications:

Graduate as Dr. Ing. in Civil engineering (equal to Ph.D.) and specialised in support structures of on- and offshore wind energy converters and project management:

Project management and research engineering on different aspects of the design of support structures of offshore wind energy converters; structural calculation in time and frequency domain; development of software tools for these calculations; FE-calculations for structural details with ANSYS®.

Engineering experiences in civil engineering certifications for support structures of wind energy converters like towers and foundations, supervision of civil works. Technical due diligence of wind park projects including assessment of energy yield and long term predictions as well as estimation of M&R costs

Additional knowledge in economics (degree as industrial engineer).

Education:

1999-2004	University of Hannover, Germany, Graduation as Dr. Ing. in Civil Engineering (equivalent to Ph.D.)
1993-2002	Fern-Universität Hagen, Germany, Graduation as Dipl.Wirt.-Ing. in Economics (equivalent to M.Sc.)
1995-1999	University of Hannover, Germany, Graduation as Dipl.Ing. in Civil Engineering (equivalent to M.Eng.)

Professional Record (since [year]):

Since 2009	Lahmeyer International GmbH, Consulting Engineers, Bad Vilbel, Germany, Head of Department Wind Energy / Business Development / Project Director
2005-2009	Lahmeyer International GmbH, Consulting Engineers, Bad Vilbel, Germany, Team Leader Project Engineering (since 2006) / Project Manager
1999-2005	University of Hannover, Institute for Steel Construction, Germany, Research Assistant

Project Experience (excerpt since [year]):

2013-2016	Pakistan, Project Director, Advisory Services for 100 MW Wind Farm, Owner's engineer services including design review, construction supervision, operation supervision
Since 2012	Egypt, Project Director, 220 MW Wind Farm at the Gulf of El Zayt financed by JICA, Project Director, Conceptual layout, tendering, EPC contract supervision, supervision of 3 year defect liability period
2015-2018	Pakistan, Project Director, 50MW Gul Ahmed Wind Energy Plant, Site investigation, contract management, design review, construction supervision, commissioning supervision
Since 2007	Pakistan, Civil Expert, Jhampir Wind Farm, Preparation of agreements (PPA) and necessary documents for execution of permit procedures, review of technical documents, factory inspections, site supervision during site preparation, installation and commissioning
2010-2018	Ethiopia, Project Director, 120 MW Ashegoda Wind Farm, Construction, operation and maintenance supervision, design review and implementation supervision, contract supervision and claim management, renegotiation of contracts
2011-2013	Morocco, Project Director, Owner's Engineer Services for 3 Wind Farms 200 MW, Detailed design, site supervision during construction, contract management, commissioning supervision
2009-2010	South Korea, Project Manager, Foundation and Internal Tower Design 3 MW Turbine including handling of certification of the foundation design
2006	Egypt, Civil Specialist, Zafarana IV Wind Farm, Support during contract negotiations of EPC Contract
2005	South Korea, Site Manager Civil Work, 100 MW Gangwon Wind Farm, Construction supervision, civil engineering approvals for foundations of turbines including checking of calculations and redesign of details, quality control, interface management

Languages:

	<u>speaking</u>	<u>reading</u>	<u>writing</u>
German	mother tongue	mother tongue	mother tongue
English	excellent	excellent	excellent
Spanish	good	good	good