

We can design and plan networks, cables, transformers, sub-stations and power plants of wind and solar projects using both technical and economic criteria.

If you have requirements for reactive power / voltage control we can come up with a range of options and dimension the equipment appropriately for you. If harmonics can be an issue, we can determine the extent of the problem and dimension any required filter unit so that the relevant regulations can be met. Where system operators require grid code compliance testing we can act as your engineer and ensure that the tests are recorded, performed properly, and will not cause damage to plant or personnel. To plan your installation, we apply modern standard software. Based on a detailed model of your system, we can identify potential problems early and resolve at an early planning stage.

Our core competencies are:

- Studies to verify the suitability of assigned point of connection
- Design and planning of cable networks
- Planning of sub-stations (medium and high voltage)
- Design and planning of reactive power compensation equipment
- Harmonic analysis and filter design & testing
- Protection selectivity, protection checking and testing
- Offshore wind farms design
- Grid code compliance testing
- Planning in accordance with the relevant guidelines especially
 - VDE 4110/4120 Directive
 - TABs of network operators
 - Transmission & distribution codes
 - Connection rules of the TSO
 - FGW TR3, TR4 and TR8

An extract of our wind farm projects is shown in the following table:

Project	Power [MW]	Nominal voltage [kV]	Year of Commissioning	Grid operator	Comment
WP Ertstadt Erp Ost 2	7,2	11	2026	Westnetz	New site
WP Ertstadt Erp Ost 1	14,4	11	2026	Westnetz	New site
WEA Dorsten-Gälkenheide	6	10	2026	Westnetz	New site
WP Warendorf "Milter Mark"	29	30	2026	Westnetz	New site
WP Rosendahl-Oberdarfeld	18	30	2025	Westnetz	New site
WEA Borken (Weseke Wind)	6	30	2026	Westnetz	New site
WEA Raesfeld (Bürgerwind Hösel)	6	30	2026	Westnetz	New site
WP Sudbach	6	30	2026	Westnetz	New site
WP Römerweg	18	30	2026	Westnetz	New site
WP Forst Briesnig 2	105,4	110	2026	Mitnetz	New site
WP LS Repowering	19,2	20	2026	SH-Netz	Repowering
WP Ramhusen / Ohlenbrook	9,6	20	2026	SH-Netz	New site
WP EB P3	11,12	110	2026	Netze BW	New site
WP Länge	34,2	20	2026	naturenergie netze	New site
WP Mandelsloh	62,7	110	2025	avacon	New site
EZE Harbach	4,26	30	2025	Netze BW	New site
WP Bahren-West	50,4	110	2025	Mitnetz	New site
WP Börger-Breddeberg	22,24	110	2025	avacon	New site
WP Dorsten-Rhade	11,12	10	2025	Westnetz	New site
WP St. Wendel	16,8	35	2025	VSE Verteilnetz	New site

WP Senden-Ottmarsbocholt	11,12	30	2025	Westnetz	New site
WP Grube	12,6	20	2025	SH-Netz	New site
WP Flütwind	71,3	110	2025	avacon	New site
WP Mühlen Eichsen	6,8	20	2025	WEMAG	New site
WP Neustadt (Dosse)	13,6	20	2025	e.dis	New site
WP Reher	11,6	20	2025	SH-Netz	New site
WP St. Hülfers Bruch	4,8	30	2025	Westnetz	New site
WP Suderwittingen	5,7	20	2025	LSW Netz	New site
WP Fehrenbötzel	18,4	30	2025	SH-Netz	New site
Everswinkel 2. BA	6,8	30	2025	Westnetz	New site
WP Nortorf III	4,8	20	2025	SH-Netz	New site
WP Jersleben	6,8	20	2025	avacon	New site
WP Westerfleth	12,6	20	2024	SH-Netz	Repowering
WP Göllnitz II	6,8	20	2024	Mitnetz	New site
WP Waltersdorf	20,4	30	2024	e.dis	New site
WEA Datteln-Lörsinghof	5,5	10	2024	Westnetz	New site
WP Blasbach	8,4	20	2024	Bayernwerk	New site
WP Beelen-Woeste	8,4	30	2024	Westnetz	New site
WEA Haltern Tannenberg	5,6	30	2024	Stadtwerke Haltern	New site
WP Vreden-Ammeloe Erweiterung	8,2	110	2024	Westnetz	Expansion
WP Holtensen Hullersen	49,5	110	2024	avacon	New site
WP Südlohn-Oeding-Look	16,5	30	2024	Westnetz	New site
WP Holt	4,2	20	2024	SH-Netz	New site
WP Fuchsstadt	13,5	20	2023	Bayernwerk	New site
WP Merzig	8,4	20	2023	Netzwerke Merzig	New site
WEA Dorsten Lembeck	6	10	2023	Westnetz	New site
WP Koogwind	19,2	20	2023	S-H Netz	New site
WP Kuhs	16,8	20	2023	WEMAG	New site
WP Sillerup	13,2	20	2023	SH-Netz	New site
WP Sommerland	17,1	20	2023	SH-Netz	New site
WP Benfe I+II	13,8	10	2023	Westnetz	New site
WP Salzkotten Mäusebussard	6,8	20	2023	Westfalen Weser	New site
WP Groß- Pankow	22,8	20	2023	WEMAG	New site
WP Rapshagen 2+3	11,4	20	2023	e.dis	New site
WP Constantia-Forst II	28	110	2023	avacon	New site
WP Schlangen „Hühnerberg“ u. „Montes Pullum“	8,4	20	2023	Westfalen Weser	New site
WP Mosigkau-Libbesdorf-Quellendorf	15,4	15	2023	Mitnetz	New site
WP Hamm-Weetfeld-Freiske	8,4	10	2023	EWV Hamm Netz	New site
WP Erwitte-Völlinghausen	22,8	30	2022	Westnetz	New site
WP Großenwiehe-Loftlund	8,4	20	2022	SH-Netz	New site
WP Nortorf II	13,2	20	2022	SH-Netz	New site