EXPERTS IN FOUNDATION DESIGN FOR WIND TURBINES

Anchor Cage Design | High Pedestal
CAT III Verification | SOFT-SPOT® Solution
Geotechnical Consultancy | Piles Design
Rock Anchor

Reliable – Efficient – Responsive – Worldwide

WWW.CTE-WIND.COM
5 REASONS
WHY CTE WIND

01.
Design experts since 2003

02.
Certified Design Method by DNV

03.
Trusted relationship with OEMs

04.
No failures and 100% customer satisfaction

05.
Worldwide insurance liability

GEOTECHNICAL CONSULTANCY SERVICES

- Design of geotechnical campaigns
- Drafting of geotechnical studies
- Subcontractor management
- Geotechnical report execution
- Synthesis of soil values to choose the best foundation
- Verification of third party reports

REPOWERING & LIFETIME EXTENSION

For all WTG-foundation types:
- Fatigue verification
- Lifetime extension
- Repowering

FORENSIC ENGINEERING

- Fact finding on site
- Root cause analysis assessments
- Establishing repair concept
- Site inspections to verify satisfactory repair

OUTSTANDING SKILLS

- Independent design verification / Category III check
- Reinforcement verification and on-site construction QA / QC
- R&D Engineering / Design solutions for prototypes
- FEM-Analysis for new design and trouble shooting
FOUNDATION DESIGN SERVICES

- Preliminary and detailed designs following international standards
- Bill of quantities for tender phases
- Respecting specific wind guidelines and local country regulations
- Resource-saving foundation design
- Time and cost reductions thanks to inventive design solutions
- Participation on standardization committees

INVENTIVE DESIGN SOLUTIONS

- Optimized Gravity Foundation
- SOFT-SPOT® Solution
- Near-Shore Foundation
- Rock Anchor Foundation
- Ribbed Foundation
- Anchor Cage Design
- Piles Design
- Concrete Tower Foundation
- High Pedestal / Plinth

CTE WIND IN FIGURES

27 500+ Wind Turbines

75 Countries

8 Local Offices

16 Languages Spoken

40+ Engineers

50% Female Staff

80% Senior-Level Know-How
CTE WIND CIVIL ENGINEERING SA
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Engineering performed for most OEMs:

- Vestas
- SIEMENS Gamesa
- GE
- Clipper
- ENERCON
- NORDEX
- ACCIONA
- SENVION
- ENVISION
- GOLDWIND
- ALSTOM
- LEITWIND
- XEMC
- Windtec
- IMPSA
- WEG
- DDIS
- Eole Overseas
- VERGNET
- Alizéo
- WinWind
- Fuhrlander
- Ecotecnia
- Ewiag AG
- NEG Micon
- BONUS
- AACER
- Repower
- EWT
- ENO Energy
- Wind Power France

Recommendation letters and references available upon request.