EXPERTS IN FOUNDATION DESIGN FOR WIND TURBINES

Anchor Cage Design | High Plinth Pedestal | FEM Analysis | SOFT-SPOT® Solution | Trouble Shooting

Responsive – Efficient – Reliable – Worldwide

www.cte-wind.com
5 REASONS
WHY CTE WIND

01. Design experts since 2003
02. Certified Design Method by DNV GL
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

OUTSTANDING SKILLS

- Independent design verification / Category III check
- Fatigue verification / Lifetime extension
- R&D Engineering / Design solutions for prototypes
- FEM-Analysis for new design and trouble shooting

FORENSIC ENGINEERING

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

CONSTRUCTION SUPERVISION

- On-site inspection and monitoring
- Construction quality assurance
- On-site reinforcement inspection
FOURNDRATION 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

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

CERTIFICATION AND MEMBERSHIPS

- 17,500+ Wind Turbines
- 67 Countries
- 8 Local Offices
- 16 Languages Spoken
- 30+ Engineers
- 50% Female Staff
- 80% Senior-Level Know-How