



Fabrice Estezet

Senior Renewable Energy Consultant | TDD & Certification Expert

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PROFESSIONAL SUMMARY

Senior renewable energy engineer with 22+ years of experience spanning Technical Due Diligence, wind turbine certification, contract negotiation, and project engineering. Led 50+ certification and due diligence projects across offshore and onshore wind. Proven expertise in multi-GW portfolio evaluation for investment decisions, OEM contract negotiations (TSA/SMA), and international project management across EMEA. Combines deep technical knowledge of DNV/IEC standards with hands-on experience in financial model review, risk assessment, and Python/AI automation for engineering workflows. Currently operating as independent consultant through VentusNexus.

KEY COMPETENCIES

Technical Due Diligence (offshore wind) - 12+ years

Offshore foundation design (jacket, monopile, TP) - 12+ years

Contract negotiation (TSA, SMA, framework agreements) - 6+ years

Project management (wind farm construction) - 10+ years

Tender management & RFP analysis - 12+ years

Engineering document automation - 3+ years

Wind turbine technology assessment - 15+ years

Code checking DNV / IEC / Eurocode - 19+ years

Lifetime extension & reliability assessment - 10+ years

Fatigue assessment (SN curves, Palmgren-Miner) - 15+ years

Python backend development - 5+ years

Structural analysis (FEA, code checking) - 15+ years

KEY ACHIEVEMENTS

- ✓ Led 50+ certification and due diligence projects at Bureau Veritas
- ✓ East Anglia Offshore Substation certification (Iberdrola)
- ✓ Won EDF offshore wind farm certification projects at BV
- ✓ Reduced OPEX by 150k EUR/year through reliability-centered maintenance at Shell

- ✓ Led major maintenance operations at Nordex (blades, transformers, drive trains)
- ✓ Former President of French IEC TC88 committee (wind turbine standardization)
- ✓ Author of Bureau Veritas lifetime extension assessment guideline

PROFESSIONAL EXPERIENCE

Wind Energy Consultant

2024 - Present

VentusNexus | Grenoble, France

- Contracted by Bureau Veritas Germany for offshore wind certification (jacket foundations, OSS)
- Technical Due Diligence advisory and specification writing for wind projects

Wind Energy Expert

2022 - 2024

Neoen | Paris, France

- Drafted Employer Requirements and technical specifications for wind farm projects
- Developed framework agreements with major OEMs (Vestas, Siemens Gamesa, Nordex)
- Technical lead for contract negotiation and asset management (wind/solar/BESS portfolio)
- Coordinated TDD and due diligence for portfolio acquisitions and refinancing

Offshore Wind Turbine Lead Engineer & Technical Due Diligence Specialist

2020 - 2022

TotalEnergies Renewables | La Defense, France

- Evaluated multi-GW offshore wind portfolios for investment decisions (UK, Taiwan, South Korea)
- Established wind turbine technology roadmap and OEM benchmarking (Vestas, Siemens Gamesa, GE, Sany)
- Led negotiations of Turbine Supply Agreements (TSA) and Service & Maintenance Agreements (SMA)
- Managed TDD reviews and owner's engineer mandates for acquisition targets

Certification Leader for WTGs & Offshore Wind Farm Projects

2010 - 2020

Bureau Veritas | *La Defense, France*

- Led 50+ certification and due diligence projects (offshore wind, onshore wind, components)
- Worked with all major OEMs: Vestas, Siemens Gamesa, GE, Nordex, Enercon, Senvion, LM Wind Power
- Blade certification lead assessor for 12 LM Wind Power rotor blades
- Main author of BV lifetime extension assessment guideline
- Former President of French IEC TC88 committee

Project Engineer and Site Manager

2008 - 2010

Nordex | *France, UK, Italy*

- Managed 25-50 MW wind farm projects across France, UK, Italy
- Coordinated Balance of Plant contractors and supervised turbine erection

Reliability Engineer & Maintenance Manager

2002 - 2008

Shell | *France*

- Implemented reliability-centered maintenance reducing OPEX by 150k EUR/year
- Project manager for production unit turnarounds (4M EUR budget, 25 technicians)

Cooperant du Service National en Entreprise

1999 - 2001

L'Oreal | *Suzhou, Jiangsu, China*

SELECTED PROJECTS & REFERENCES

East Anglia ONE Offshore Substation - Design Certification — Iberdrola (2015-2016)

Rampion OWF - Foundation Certification — EON (2016-2018)

Saint-Nazaire OWF - Foundation Manufacturing Surveillance — EDF Renouvelables (2017-2020)

AW125/3MW - Type Certification — Acciona Energia (2014)

Siemens Energy - Generator Certification — Siemens Energy (2012-2014)

Tower Certifications — Multiple OEMs (2010-2020)

Wind Turbine Blade Certification — LM Wind Power (2018-2022)

Offshore Wind Projects - Technical Due Diligence — TotalEnergies Renewables (2020-2022)

Global Wind Portfolio - Technical Advisory — Neoen (2022-2024)

EDUCATION & CREDENTIALS

Engineering Degree (M.Sc.) - *École Centrale Nantes* (1999)

- Former President of French IEC TC88 committee (Wind Energy)
- Author of Bureau Veritas Lifetime Extension Guidelines for Wind Turbines
- Offshore Wind Turbine Certification Expert

STANDARDS & REGULATIONS

DNV-ST-0126 Support structures for wind turbines | DNV-OS-J101 Offshore wind turbine structures | IEC 61400 Wind energy generation systems | Eurocode 3 - Steel structures

LANGUAGES

French (Native) **English** (Fluent) **German** (Working Proficiency)