



MARCO TURRINI

Project Manager and Researcher @ TNO Wind Energy
Mechanical Systems | Technical Project Leadership | International Teams

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EXPERIENCE

Project Manager & Research Engineer

TNO - Wind Energy - Accelerating Offshore Wind

06/2021 – Present

Delft/Petten, Netherlands

- Project management:** €50k-500k+ budgets, teams of 2-10+ members, on-time and within-budget delivery
- Business development:** Proposal writing, commercial acquisition support, institutional and commercial market engagement
- Technical leadership:** Multidisciplinary team coordination across engineering, data science, and other research domains
- Key Projects:**
 - ModularRoot:** Leading TNO work packages on modular blade manufacturing with GE/LM, managing technical deliverables and partner coordination
 - ECOAMARE:** Managing TNO's contribution to a national project shaping the technical and regulatory future aimed at minimizing the environmental impact of offshore wind energy.
 - SAWOP:** Wake optimization and control strategies for wind farm performance
 - Other projects include: *MooringSense, Clif, GloBE, SLABE, Airtub, Amazing-6G, TiADE, MANCHE-II*

Research & Development Intern

ECA Robotics

09/2019 – 02/2020

Toulon, France

- Motion analysis and control of autonomous towed underwater sonar systems
- Multibody simulations and advanced control systems (PID/Optimal/Robust)
- Complex mechatronic systems: VIV analysis, floating body dynamics, subsea operations

SUMMARY

I am a project manager and research engineer with 4+ years of experience at TNO, specializing in managing complex technical development projects with international teams and stakeholders. My background combines project management capabilities with technical depth in fluid dynamics, remote sensing, data analysis, and mechatronic systems. I see myself as an outgoing person with a natural curiosity for science and a drive for impact.

Extra Curriculum Activities

Part-time

- Sailing Instructor:** Safety at sea, small motor boat operations, offshore experience (2014 - Present, seasonal)
- Beach Volleyball Coach:** Team coaching and development (2020 - Present)

EDUCATION

B.Sc & M.Sc. in Mechanical Engineering

EPFL

2014 – 2020

Lausanne, Switzerland

- GPA: 8.8/10.0
- Master thesis (@ MIT): *Settling speed identification of poly-size particulate matter* - Sensing systems, data analysis, machine learning (Grade: 10/10)
- Focus: Fluid dynamics, heat & mass transport, remote sensing, numerical modeling, control systems

M.Sc Minor in Oceanography

EPFL

2017 – 2020

Lausanne, Switzerland

- GPA: 9.0/10.0
- Oceanography and Atmospheric Sciences
- Offshore field work: 4 weeks on research vessel in Russian Arctic Circle - sensor deployment, data acquisition, harsh environment operations

SKILLS

Project Management

Team leadership

Budget management

Stakeholder coordination

Proposal writing

Technical Capabilities

Systems engineering

Remote sensing

Data analysis & visualization

Sensor systems

TNO Experience

TNO project frameworks

Quality standards

BD collaboration

Administrative systems

Programming & Tools

Python

MATLAB

ANSYS Fluent

Git/Version control

Catia V5

Solidworks

LANGUAGES

Italian (Native)

French (Native)

English (Fluent - C2)

Spanish (Professional - B2)

Dutch (Learning - B1)

