

MARTINA TIBALDI

ENERGY ENGINEER



MY PROFILE

I AM A DYNAMIC AND PROACTIVE ENERGY ENGINEER, FUELED BY A CONSTANT DESIRE TO LEARN AND TACKLE NEW CHALLENGES. MY CURRENT WORK INVOLVES ELECTROMOBILITY, ENERGY COMMUNITIES, AND FLEXIBILITY-DEMAND. MY EXTENSIVE INVOLVEMENT IN VARIOUS ASSOCIATIONS HAS HONED MY TEAMWORK AND LEADERSHIP SKILLS, ENABLING ME TO EFFECTIVELY COLLABORATE AND LEAD IN DIVERSE ENVIRONMENTS. I AM COMMITTED TO ADVANCING INNOVATIVE SOLUTIONS TO TODAY'S ENERGY CHALLENGES.

EDUCATION

2024 - Date

PhD student Uppsala University

2021 - 2023

**Double Master Degree of KIC-
INNOENERGY**

**Master in Energy Technology
- Master in Energy Engineering
and Management** from Istituto
superior tecnico, Portugal

**- Master of Science in Energy
Technology** from Uppsala
University, Sweden

2022-2023

Innovation & Entrepreneurship
Journey with **UnternehmerTUM**
Arrived 2nd to the Innovation and
Entrepreneurship challenge

2014 - 2020

Bachelor In Energy Engineering
Politecnico di Torino, Italy

2009 - 2014

High school
Classical Liceum "Ennio Quirino
Visconti", Roma, Italy

Interest



Nature



Photography



Animal rescue

EXPERIENCE

04/03/2024 - Date

PhD student at Uppsala University, Sweden, at the Department of
Electrical Engineering.

- **Conducting research** on smart, safe, and resilient energy communities, with a focus on microgrid management and electrification
- **Developing and teaching** a course on sensors for electric vehicles
- Performing **field tests** on EV smart charging systems
- **Supervising** a master's project on building system simulation and design, including system creation, management, and technical mentoring.
- **Collaborating** with the Division of Signals and Systems to develop a secure research data management database, integrating simulation and database security expertise.

04/09/2023 - 22/12/2023

Intern at Battery Associates

- **Conducted research** and **analysis** of EU regulations
- **Created** media content for the EU Battery Regulation course, **organized** and **structured** information, and independently **designed** visuals, leveraging both personal creativity and AI
- **Editing** and **revising** the overall work

01/02/2023 - 31/06/2023

Internship for Master Thesis at **Peafowl Plasmonics AB**

Research on the penetration of **Transparent Solar Cells** in e-paper devices

- **Analyzed** and **interpreted** energy data and generated graphical representations using engineering software
- Conducted **field experiment**
- **Determined** consumer needs through **market researches** to provide products and services appealing to larger markets

ACHIEVEMENTS

• **Won Siemens competition** with the project **ENERSOUL** for which I am CO-founder and that has arrived at the final of the **MIT Climate and Energy Prize** and second in the **Battle of Green Talent**

• **CO-writer** of FlexTech:
Study about the Demand-side flexibility estimation in Uppsala Municipality

• **Student assistant** of the companies: **Pure Battery Technologies** and **Elaphe Propulsion Technologies** during the event The Business Booster held in Lisbon 28-29 September 2022

• EIT Innoenergy Energy Impact **Scholarship**

• Participate to the **finals of the Instituto Superior Técnico contest E.Awards**, which aims to promote and reward entrepreneurial and innovative projects developed by Técnico students, with my project Lighthouse

• **Wrote an article** for EnergyCuE online-magazine about energy management

EXPERIENCE

1/02/2019- 01/02/2022

Social media manager at Y.E.S Europe - ITALY

- **Created, developed** and **monitored** social media content to create engagement and followers using graphic design tools
- **Scheduled** and **coordinated** content across multiple platforms

1/06/2019 - 1/09/2021

• **Italian Country representative** for the association "Young leader in Energy and Sustainability-Europe"

Responsible for the Italian side of the non-profit European association

- **Tracked project** schedules and encouraged teams to complete tasks on time while staying on budget
- **Identified** areas for improvement, narrowing focus for **decision-makers**
- Made **Sponsorship and Partnership** with companies, other associations and with magazines
- Demonstrated **leadership** by making improvements to work processes and helping to train others, the team has grown from 3 up to 12 committed
- **Organized** several on-site and on-line **events**. Assisted with **event planning, support** and **execution** of virtual and in-person engagements

2018 - DATE

• **Founding member of PoliENERGY**

Student association, no-profit, of the Politecnico di Torino

- Provided **organizational leadership** and collaborated with executive partners to establish long-term goals, strategies and collaboration policies
- Organized several events at the university
- **Managed** the **external relation** with companies
- **Tutoring** at Hackathons

MY SKILLS & EXPERTISE

Digital

- Microsoft Office Suite
- SolidWorks
- Programming language C
- Matlab
- Arduino
- LaTeX
- System Advisor Model (SAM)
- Collector Design Program (CoDePro)
- Simulating Software Polysun
- Lithroom
- Photoshop
- Canva

Personal

- Project Management
- Team Working
- Leadership
- Organizational
- Strategic Networking
- Professional Communication
- Developing Presentation
- Entrepreneurship
- Innovative Spirit
- Problem Solver
- Proactive
- Quick Learning

Languages

- Italian: Native speaker
- English: Professional level
- French: Basic level
- Spanish: Basic level
- Swedish: A1