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9+ years as a Project Engineer, designing and optimizing grid-connected photovoltaic, wind, storage and hybrid power plants in "Utility-Scale" and "Commercial & Industrial" (C&I) sectors.

4+ years as a Senior Technology & Innovation Advisor in photovoltaics, wind, and hybrid storage (BESS and others). Certification in progress: "PMP®: Leading and managing an innovative project with agile methods."

10+ years of experience in scientific computing as a Consultant in research centers, serving as Technical Manager for multinational European projects (computational fluid dynamics, electromagnetism, interferometry, Bayesian inversion, optimization, evolutionary algorithms, etc.).

My employers include Axpo, Volkswind, Engie, Total, Green Energy 3000 GmbH, Tetra Engineering Europe, the European Space Agency (ESA/ESTEC), EDF R&D, and France Télécom R&D in France, Germany, and the United Kingdom.



CERTIFICATIONS



PMP®: Leading and managing an innovative project with agile methods (In progress)

(View certification)



Commissioning of Industrial Hybrid Energy Systems with the SMA FSC 2.0 M 2017

SMA Solar Academy Issued Nov 2017



Designing of Hybrid Energy Systems with the SMA FSC version

SMA Solar Academy Issued Sep 2017



Electrification of remote areas with Sunny Island 2012

SMA Solar Academy Issued May 2012



CSWIP 3.0 Visual Welding Inspector - Level 1 2014

Issued May 2014 · Expired Apr 2019



▼ EDUCATION

European Master in Renewable Energy

MINES PARISTECH

September 2011 to December 2012

European Renewable Energy Council (EUREC) double Master's degree with major in Design & Engineering of PV-based Hybrid Energy Systems with BESS (Institut für Elektrische Energietechnik, Kassel - Germany)

Master of Science in Engineering, PhD

INP LORRAINE - ENSG

2003

Numerical modelling of hydrocarbon reservoirs and uncertainty analysis



Soft Skills

- Public Speaking
- Problem Solving
- Customer Focus
- Analytical Thinking

Technical Expertise

- Photovoltaics Wind Storage
- Project Management
- Numerical modeling
- Data science
- Research and Innovation (R&I)
- Strategic Partnerships

Fonctional Expertise

- Developing techno-economic analysis including LCOE calculations for tendering or internal business case guidelines development
- · Leading the technical discussions and negotiations with international partners and contractors for tender development
- Watching technologies in the domain of Photovoltaics, Wind and Storage
- Developing and implementing corporate technology and innovation roadmaps
- Building partnerships with external companies for developing Proof of Concepts, prototypes or pilot projects for innovation
- Computational engineering and physics-based numerical modeling & Deep-Learning for meeting business needs



Project Manager Storage

Axpo / Volkswind France - Since May 2025 - Tours

 Project Manager within the Construction Department and Grid Connection team at Volkswind France (Axpo Group), acting as the interface with suppliers and support functions of Axpo Services in France, Switzerland, and Germany.

In this role, I have:

- <u>Fulfilled</u> the role of <u>Owner's Representative</u> up to contract signing (EPC or MOE), including the following activities:
 - Development of project-specific tender documentation (RfP) for storage equipment and BESS hosting infrastructure
 - **Provision of expert technical support** (BESS, electrical, civil, hydraulic & acoustic engineering) and coordination of cross-functional teams
 - **Drafting of generic BESS tender documents** for the group in compliance with French Public Procurement Regulations (MOP), including the supplier and stakeholder responsibility matrix (RACI)
 - · Development the Scope of Work (SoW) for each project
 - Analysis of bids, supplier audits, and selection of BESS suppliers
 - Supervision and analysis of acoustic studies to optimize storage plant design
 - Involvement in discussions with public authorities (SDIS & DREAL) regarding evolving regulations for Environmental Protection Classified Facilities (ICPE) related to battery storage systems
 - **Supporting of technical contract negotiations** for a turnkey construction contract of a grid-connected storage plant
- Managed an EPC construction project post-signature during the initial launch phases (Notice To Proceed, Advance Payment Bond, kick-off meeting, etc.)

Senior Advisor for Technology & Innovation in PV, Wind and Hybrid with Storage

Engie Renewables - March 2020 to May 2024 - Paris - La Défense - France

• Expert technical advisor, coordinating and, in support to the CTO, liaising with external technology suppliers and the internal Research and Innovation (R&I) department to develop and implement an annual technological roadmap. This roadmap aims to identify and introduce new, innovative, marketable, and "bankable" elements into operational projects, thereby enhancing safety, reducing LCOE, and improving operational performance.

In this role, I have:

- Provided cross-functional expert technical support in photovoltaics, electrical engineering, civil and mechanical engineering, and SCADA for projects assigned to the Engineering team in collaboration with Procurement on photovoltaics, wind, and hybrid projects with stockage (mainly BESS), coordinating these teams to integrate new technologies and mitigate Engie Renouvelables' exposure to technological risks.
- <u>Collected and disseminated feedback and best practices</u> on technical aspects across all different entities of Engie Renouvelables and others such as Tractebel and Laborelec.
- Watched and evaluated innovations, products, and market developments related to pv, wind and storage (BESS, hydrogen, thermalpv, etc) technologies.







German ★★★☆☆

Conversant

Spanish ★★★☆☆

Conversant

CONFERENCES AND EVENTS



2021-2022-2023 - Intersolar Munich (Participant)

The world's leading exhibition for the Solar Industry



2023-2024 - Solar Quality Summit Barcelona (Participant)

The Solar Quality Summit units stakeholders essential for maintaining quality in the solar sector.



2022 - Singapore Energy Transition Conference (Speaker)

https://www.dnv.com/energy/webin ar/registration/singapore-energytransition-conference/

The race to tackle climate change is on. Yet as rapid as that transition is and despite efforts being made, DNV forecasts in its Energy Transition Outlook (ETO) that the green shift is not fast enough for the world to achieve the ambitions of the Paris Agreement. This means that developed countries -Singapore being one of them - and certain sectors must reduce greenhouse gas emissions to zero way before 2050, because developing regions and hard-toabate sectors will take longer to decarbonize.

As Singapore intensifies efforts towards reducing and eventually eliminating harmful emissions to the atmosphere, what does the energy transition journey in 2022 look like? To better understand the opportunities and challenges facing energy companies and industry stakeholders in adapting to the energy transition, DNV has hosted speakers and panels of experts with extensive experience in the sector.

 <u>Participated in seminars, conferences, and events</u>, both within and outside Engie, to bring new ideas to pv, wind, hybrid, and battery projects.

Senior Engineer for Study & Design in PV, Wind and Hybrid with Storage

Engie Solar - October 2018 to March 2020 - Paris - La Défense

• Consultant Engineer for the study, design, and optimization of gridconnected power plants of "Utility-Scale" and "Commercial & Industrial" (C&I) size in photovoltaic, wind, and hybrid with BESS.

In this role, I have:

- <u>Designed, developed, and optimized the performance</u> of large photovoltaic plants and hybrid microgrids with BESS.
- <u>Conducted studies to estimate production, uncertainties</u>, and proposed risk mitigation measures for CAPEX, OPEX, and overall revenues.
- <u>Provided technical support to Project Managers</u> in collaboration with Procurement in preparing specifications and EPC contracts.
- <u>Conducted preliminary load flow analysis from Origination to Basic</u>
 <u>Design</u> to consider Grid Code requirements in maximum interconnection power and power factor from the feasibility study stage onward.

Project Engineer in Hybrid Systems with PV, BESS and Gensets

Total - March 2017 to August 2018 - Paris - La Défense - France

 Consultant Project Engineer in photovoltaics and hybrid systems with BESS for Total Solar, supporting the Technical Director.

In this role, I have:

- <u>Designed a 5MW hybrid microgrid system in West Africa</u> based on Compressed Natural Gas generators, rooftop photovoltaics, and BESS.
- <u>Provided technical support</u> to the <u>Finance team</u> in estimating production for economic calculations of the <u>Levelized Cost of Energy</u> (LCOE).
- <u>Conducted technical discussions and negotiations</u> with local partners <u>in Nigeria</u> and international suppliers alongside the Technical Director and Business Manager.
- <u>Conducted field visits in West Africa</u> to qualify subcontractors and service providers, and to measure electrical load.
- <u>Analyzed the market</u>, evaluated, and selected control technologies for "isolated" microgrids in the Commercial and Industrial (C&I) segment.
- <u>Developed a numerical model of the complete hybrid system</u>, including a Simulink model of the gas generators, to determine BESS specifications for managing solar intermittency.

International Project Engineer in PV and Wind project development

Green Energy 3000 GmbH - April 2016 to December 2016 - Leipzig - Germany

• International Project Manager in Leipzig, Germany, developing technical solutions for international invitation to Tenders (ITT) in photovoltaics, wind and electrical transmission networks.

In this role, I have:

<u>Conducted studies and designed technical solutions for preparing</u>
 <u>responses to tenders (ITT)</u> for photovoltaic and wind power plants, and
 <u>modernization of electrical transmission networks</u> in the MENA region,
 including analysis of tender document requirements.



2023 - Rencontres viennoises de l'innovation énergétique (Speaker)

https://lecerclevienne.at/rencontres-viennoisesinnovation-energetique/

https://www.linkedin.com/posts/am basciata-d-italia-a-vienna viennainnovazione-scienza-share-7052308889668583424-CwwS? utm source=social share send&ut m medium=member desktop web &rcm=ACoAAAp6wTABWAAWsTE-4Be9yLPcB9wWilOAKG8

The term 'energy transition' is gaining momentum and is emerging as one of the major objectives of the coming decades to decarbonize our economies. However, it must be noted that humanity has never truly undergone an energy transition if we look at the curves of the global energy mix since 1800. On the contrary, energy sources have accumulated on top of each other, and 80% of our energy still comes from fossil sources today.

In this context, what role can the actors in the energy sector play to free us from fossil fuels and steer us towards a real energy transition? What is the place for energy efficiency, and what is the impact of the war in Ukraine on industrial players? How are France, Austria, and Italy positioned in the face of the transition?

equirements.		

• Sourced service providers for detailed engineering studies and both

Field Service Engineer in Maintenance of Heat Recovery Steam Generators

Tetra Engineering Europe - September 2013 to August 2015 - Sophia-Antipolis - France

 Field Inspector for Heat Recovery Steam Generators (HRSG) of Combined Cycle Gas Turbine (CCGT) plants in the Middle East & North Africa (MENA) region.

In this role, I have:

- <u>Implemented</u>, as a Field <u>Engineer</u>, inspection plans for HRSG, including conducting <u>Ultrasonic Thickness</u> (UT) tests on heat exchanger tubes (up to 2 months continuously on-site).
- <u>Supervised local service provider teams</u> for Non-Destructive Testing (NDT) other than UT (up to 10 people).
- <u>Analyzed data and simulated CCGT production</u> to develop inspection plans (in the back office).
- <u>Prepared technical and commercial proposals</u> for plant operators based on inspection plans.
- <u>Conducted a 2-month inspection of welds at Ras Laffan, Qatar</u>, after studying metallurgy and obtaining welding inspector certification from the Technical Welding Institute, Cambridge UK.

International Project Manager for Numerical Computing in Earth Observation

Argans Limited - February 2008 to August 2010 - Plymouth - United Kingdom

 Technical Leader for the development of the "ground segment" L2 for the Ocean Salinity (OS) part of the SMOS mission for the European Space Agency (ESA).

In this role, I have:

- <u>Implemented and validated physics-based numerical models</u> of the ground segment as a computational engineer.
- <u>Coordinated and integrated the results of research teams</u> in France, the United Kingdom, Spain, and Portugal, with monthly visits to these laboratories for progress meetings.