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14/05/1988
Australian Permanent Resident

Renewable Professional Looking for Part-Time

[LinkedIn profile](#)

[Portfolio Website](#)

PROFESSIONAL EXPERIENCE

2/2020 – 10/2022 **Battling Disease... and Learning New Skills**

2.5 years



- Autoimmune illness: going through treatment, gradually implementing completely new lifestyle and diet, researching the literature on the subject extensively, etc
- Using the free time to exercise, and trying out and accomplishing new things:
 - Progressively running from 2km to 5, 10 and the Ultra Trail Australia 22km
 - Learning how to: swim freestyle, sail a boat, scuba-dive, surf, skateboard, ...
 - Passing my Boat Driving Licence
- Learning new technical skills online: see Skills at the end of resume

7/2019 – 1/2020 **RES Australia – Sydney, NSW, Australia**
7 months
Site Manager/Plant Performance Manager



- During Construction Phase:
 - Assist Construction Project Manager to deliver both EPC and Grid contract
 - Oversee plant walk-downs post construction to develop contractor punch-lists and oversee punch-list close out
 - Ensuring the integration of each new WTG in the different SCADA systems
- During Operations Phase:
 - Supervise site-based activities and lead on-site contractors
 - Oversee the work of contractors, meeting on a regular basis to discuss the ongoing performance and availability of the generation systems
 - Troubleshooting telecommunication and dispatch systems issues
 - Cooperating with global RES teams in order to draw on centralised expertise

2/2018 – 7/2018 **Catcon – Bungala Solar Farm, 220MW – Port Augusta, SA, Australia**
6 months
Project Engineer



- Coordination of the installation of 420.000 PV modules on tracker systems
- PV panel installation quality control & remediation of defects
- Day-to-day management of construction site issues:
 - Staff and machinery (400+ labourers, 50+ heavy machineries)
 - Trenches for high-voltage cables and for DC cables
 - Civil works around power stations and weather stations
 - Delivery of materials from lay-down to building area and waste management

5/2017 – 12/2017 **InnoVent – Lille, France**
8 months
Project Manager



- Support in the construction of two 38 MW wind farms (12 WTG Siemens 3.2MW)
 - Monitoring the civil works (earthwork, excavation, foundation concrete pouring) and the turbine erection works
- Project preparation of a 36MW wind farm in Morocco (12 second hand turbines)
 - Organization of sea transport (blade frame supports, lashing/securing of towers on ship, crane lifting, maritime company selection, customs), involving frequent travels to the components storage port in Finland
 - Identification, quotation and supply of all transport and lifting tools
 - Preparation of the overhaul/reconditioning work of the old nacelles
 - Maintenance activities – hands-on training with technicians
- Leading a lifting operation of generator exchange (30T generator, 25T rotor)
- Installation of a 41kWp solar system on own office facilities

2/2015 – 12/2016 **Vergnet – Ashegoda Wind Farm Project, 120MW – Mekelle, Ethiopia**
2 years **Operation and Maintenance Site Manager (Technical Coordinator)**



- Coordination of all Operation & Maintenance technical aspects of the Ashegoda Wind Farm for client Ethiopian Electric Power (EEP)
- Staff management of 10 Vergnet technicians for Phase1 (30MW)
 - Planning and assignment for preventive and corrective maintenance
 - Organization of trainings (electrical, mechanical, safety, working at height)
- Management of subcontractor Alstom/General Electric for Phase 2/3 (90MW)
 - Follow-up and check of their maintenance operations
 - Ensure fulfilment of contractual obligations
 - Cooperation work on topics affecting the whole Wind Farm
- Weekly/Monthly/Yearly reporting to Ethiopian Electric Power (EEP)
- Clearance of Punch List and Final Taking Over obtained
- On-site involvement in various topics (SCADA system, troubleshooting, HV cells operating, overhead lines repair, grid stabilization, PLC, incidents solving)
- Logistics, supply spare parts, purchase, coordination with French headquarters

4/2013 – 2/2015 **BayWa r.e. Operation Services GmbH – Munich, Germany**
2 years **Control Room and SCADA Engineer**



- Development and operation of a control room for the monitoring of 540 MW wind power (286 turbines) and 330 MWp photovoltaic (74 plants) Europe-wide 24/7
 - Daily multilingual communication with technicians from Germany, France, Italy, UK and recording of their on-site carried out activities
 - Reporting of faults and outage, communication with other wind centers
 - Configure software and manage SCADA alarms
 - Analysis of data in order to diagnose and resolve issue

Asset Manager



- Management of solar plants for the clients
 - Planning of the maintenances, delivering of analytical and performance reports, initiation of repairs and retrofits
 - Management of technicians and maintenance contractors, as well as telecommunication, grid or insurance companies on behalf of the client
 - Implementation of technical improvement (data-logger lightning protection)

2/2012 – 2/2013 **BELECTRIC – Béziers, France**
1 year **Project Developer**



- Logistics manager for the components delivery of a portfolio of 29 * 100 kWp solar roof systems on agricultural hangars (11.600 PV modules, 174 inverters)
- Project development of solar systems
 - Creation of layout plans, electric plans, yield prognosis and cost analyses
 - Development of a tool for the calculation of CO2 emissions and its return time

Construction Assistant

- Support in the construction planning and construction supervision of utility-scale solar power plants (56 MWp, 12 MWp)

9/2010 – 1/2011 **INP North America – Atlanta, USA**
6 months **Intern**



- Support of the power plant department
 - Reading through the control program of a gas power plant as statement list language (STL), comparison with the circuit diagrams and update of these plans (in view of a changeover from Siemens to Emerson control system)
 - Site visit of the Combined Cycle Gas Turbine (CCGT) plant for implementation
- Development of a tracking and guidance system for tanker trucks
 - Image acquisition of an infrared camera
 - Writing of a C ++ program that retrieves the data from the camera, analyzes them and recognizes the hatch of the truck in all conditions
 - Writing of a program using STEP 7 software for the command of guiding lights for the truck through a programmable logic controller (PLC) Siemens S7
 - Development of a human-machine interface (HMI) using WinCC flexible

EDUCATION

- 2009 – 2012 **University of Technology of Belfort-Montbéliard (UTBM) – Belfort, France**
Degree: *Master's Degree*
Major: *Electrical Engineering*
Minor: *Corporate management (contract law, accounting, asset management)*
- 2006 – 2009 **National Institute of Applied Sciences (INSA) – Rennes, France**
Degree: *Bachelor*
Major: *Mathematics, Physics, Telecommunications*
- 2003 – 2006 **High school Saint-Riquier – Amiens, France**
Degree: *High school diploma*
Major: *scientific branch*

SKILLS

- GIS (ArcMap)** **GIS, Mapping, and Spatial Analysis Specialization - University of Toronto**
How to analyze spatial data using cartography and spatial analysis techniques
Practiced extensively through numerous Australian case studies (see portfolio)
- WAsP** **WAsP online course - Technical University of Denmark (DTU)**
Being one of the main components of WindPRO, the *WAsP software is the industry-standard for wind resource assessment, siting and energy yield calculation for wind turbines and wind farms*. It was also the basis for the Global Wind Atlas.
Numerous exercises and case studies, and interactions with the WAsP developer team -> fully capable of conducting wind resource analysis (see portfolio)
- PVsyst** **Self-taught - PVsyst tutorials and documentation**
Hundreds of hours of practice through all parts of the software, 200+ pages of notes, and major contribution on the PVsyst Forum
Proficient to carry grid-connected, stand-alone, storage or self-consumption analysis
- Python** **100 Days of Code: Python Pro Bootcamp - Udemy**
80+ mini-projects built in Python programming language, from scripting/automation to web scraping to web development to data science
- Various** Sunny Design, Skytron PVGuard, MeteoControl, Windplant, Wind SCADA Systems (Vestas, Enercon, Senvion, Alstom/GE, Nordex, Gamesa)
- Languages** **English:** fluent, Pearson Test of English (PTE) 90, TOEIC 975/990, FCE Cambridge
German: advanced, 2+ years in Germany, Zertifikat Deutsch (B1)
French: native language