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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

7 months



**RES Australia – Sydney, NSW, Australia**  
**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

6 months



**Catcon – Bungala Solar Farm, 220MW – Port Augusta, SA, Australia**  
**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