# Key information

* 1st class degree Mechanical Engineering BEng
* Currently studying MSc in renewable energy
* Highly IT literate: WindPro/WindFarmer; MS Office; C and HTML; also experience of AutoCAD, and GIS
* High level of numeracy and literacy
* Project support experience
* Tendering skills
* Experience of building energy performance assessment and improvement
* Feasibility assessment of renewable energy projects
* Practical aptitude with mechanical and electrical systems.BS7671 (16th ed.)

# Personal Profile

Mature Mechanical Engineering Graduate with 9 years’ experience of managing own property services business and latterly site managing for a green building company, consistently providing excellent customer service, delivering projects on time and on budget.

Also experience of project work for a wind turbine developer.

Passionate about renewable energy and sustainability issues. Currently combining full time work with a part time postgrad course in renewable energy.

Possesses problem-solving and fault finding skills, alongside sound practical judgement and has a track record of effectively working in the field. Has an affinity with IT and other technology and excellent numeracy and literacy, enabling effective and efficient record keeping and administration.

# Qualifications

* (ongoing) Renewable Energy and the Built Environment MSc at CAT, Machynlleth. Covering building physics, wind, hydro, solar PV and thermal and other technologies. Wind farm constraint mapping, using WindFarmer, knowledge of feasibility studies, environment impact assessment and energy generation forecasting
* 1st class honours Mechanical Engineering UMIST (2000)
* A levels - Maths (A), Physics (A), Gen Studies (A), Geography (C) 1997

# Employment History

**Project Support Engineer, Urban Wind, Preston January 2014 to June 2015**

This role involved supporting the management of nationwide projects to install medium scale wind turbines. I was also responsible for carrying out AEP calculations using WindPro, liaising with DNOs and suppliers/subcontractors. Working closely with sales, planning, surveyors, designers and site managers.

**Site manager, EcoVert Solutions July 2014 to December 2014**

In July my role was expanded to involve managing construction sites in addition to the existing responsibilities, to include training staff, liaising with clients, suppliers and subcontractors.

**Project assistant, EcoVert Solutions Oct 2012 to July 2014**

EcoVert provides low energy refurbishments and new build services for commercial and domestic buildings up to PassivHaus standard.

My role was to assist in planning and execution to ensure projects are finished to a high standard, on time and on budget.

**National Trust Environment Volunteer - March 2012 – March 2013**

I worked with the environmental practice advisers in Wales. Projects Included: assessing the NT’s holiday properties for energy efficiency, and creating a solar and human-powered mobile generator for the trust to promote their environmental work.

**Owner/Manager, Eagle Property Services – Chester April 2005 – October 2012**

Responsible for managing and carrying out property maintenance/development contracts, ranging from minor repairs and mechanical/electrical installations to full property refurbishment.

# Accomplishments

**Professional**

* Facilitated the successful implementation of wind turbine development projects
* Site managed sustainable property refurbishment projects valued up to c£100,000
* Set up own property maintenance company and managed contracts for property renovations valued up to £55,000. Maintained business through difficult period in the construction industry.
* Sourced, planned and coordinated groups of tradespeople to fully meet the project criteria.
* Learned and used MS FrontPage software/HTML to create a website to promote Property Company.
* Achieved certification under BS7671: requirements for electrical installations (16th).
* Used a wide variety of tools and equipment and skills to carry out refurbishment projects to a high standard.

**Academic**

* Achieved first class honours degree in Mechanical Engineering.
* Award for outstanding results in fluid mechanics and thermodynamics (> 90% pass rate).
* Used word processing and spreadsheet software packages to produce many technical reports to a high standard.
* Learned programming language from scratch to develop material testing equipment for university dissertation.

**Personal interests**

* Keen runner, cyclist and climber. Regularly participate in races around the country.