# Key information

* 1st class degree Mechanical Engineering BEng
* Postgraduate study of Renewable Energy and Sustainable building
* Many years’ experience in construction, including PassivHaus and low energy refurbs
* Highly IT literate: MS Office; Programming experience; also experience of AutoCAD, and GIS, WindPro/WindFarmer
* High level of numeracy and literacy
* 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 11 years’ experience in the construction industry, including 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 renewable energy developer.

Keen interest in 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 course at CAT, Machynlleth.**

Covering building physics, and many renewable energy systems. Feasibility studies, environment impact assessment and energy generation forecasting. Energy modelling and efficiency improvement of buildings

* **1st class honours Mechanical Engineering UMIST (2000)**
* **A levels - Maths (A), Physics (A), Gen Studies (A), Geography (C) 1997**

# Employment History

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

In July 2014 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. Checking quality of workmanship/compliance. Solving problems onsite

**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.

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

This role involved supporting the management of nationwide projects to install medium scale wind turbines (100 – 500kW). 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.

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

I worked with the environmental practice advisers in Wales. My main project was to assess the NT’s holiday properties for energy efficiency, and to look for opportunities for improvement.

**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. Alongside this I was responsible for all the marketing, accounting, tendering and ancillary tasks relating to the business.

# Accomplishments

**Professional**

* Site managed sustainable property refurbishment projects valued up to c£300,000
* Ran own property Maintenance Company and managed contracts 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 business website
* Achieved certification under BS7671: requirements for electrical installations
* Used a wide variety of tools and equipment and skills to carry out refurbishment projects to a high standard.

**Academic**

* First class honours degree in Mechanical Engineering.
* 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.