# 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 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 for 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.