

After graduating with a BEng in 'Integrated Engineering' from Cardiff University in 2003, I gained valuable project management and client relations experience working as an account manager for On Demand Distribution Ltd. in Bristol. Then early in 2007 I began my career in the energy management & building services engineering sector. Initially working as a technical assistant for Imagination Solar Ltd. (a solar hot water systems installer), I gained insight and hands-on technical knowledge in an emerging part of the energy industry. Building upon this foundation, I began working as an Assistant Energy Engineer for Teamwork Energy Bureau Services Ltd. (TEBS) in August 2007. Simultaneously I began studying an MSc in 'Building Services Engineering with Sustainable Energy' at Brunel University, Uxbridge, via a distance learning programme.

Working on the MSc alongside full-time work with TEBS, I progressed through to the position of Senior Energy Engineer at TEBS, and graduated from the MSc in July 2011, gaining a distinction grade and a prize. During this time I worked on a wide variety of energy management and consultancy projects, typically for large public and private sector clients including the Department for Work and Pensions, the Driver Vehicle and Licensing Agency, the National Health Service, the Ministry of Defence, and the Carbon Trust. My work experience with TEBS includes:

- Bespoke technical energy audits of buildings
- Technical feasibility studies for energy efficiency, low-carbon, and renewable energy projects
- Production of carbon and water management strategies
- Detailed analysis of energy & water consumption, costs and associated greenhouse gas emissions
- Audits of existing utility metering systems, and specifications for installation of new metering
- Production of technical project specifications and tender return documents
- Project management services on a wide range of energy efficiency works and metering systems

In addition to full-time work and the MSc, I also formed two voluntary community groups in 2009 – the Easton Energy Group (EEG) and the Bristol Energy Network (BEN) – which are still ongoing. EEG aims include giving free advice and assistance for members of the community to help them understand and manage their energy & water consumption; whilst BEN is a city-wide initiative to promote contact and collaboration between individuals, community groups, public sector, and private organisations in Bristol. EEG and BEN have been at the forefront of Bristol's grass-roots community energy awareness activities in the past few years, and have been the focus of much attention within organisations such as Bristol City Council, the Centre for Sustainable Energy, and more recently the Department for Energy and Climate Change.

In November 2011 I was awarded Chartered Engineer status by the Engineering Council UK, and full membership of the Chartered Institute of Building Services Engineers (CIBSE). I planned and carried out voluntary engineering work at a rural village in western Nepal during April/May 2012, investigating issues with a hydroelectric power station and energy demands within buildings in the surrounding area. In August 2012 I formed a private company - Synertree Ltd., and am currently building up a client base to provide freelance consultancy services in line with my previous experience, knowledge, and interests.

Besides my commitments in the energy industry, I am an amateur photographer; a keen music enthusiast and vinyl collector; and enjoy spending time outdoors cycling or hiking with friends & family.