

Case Study:

A Greener Nottingham

TMP Sustainability

Sustainability is a word that is thrown about freely in our environmentally aware times, but what does it actually mean? It's in fact a complex issue combining elements of physics, ecology, engineering, social and economic policies – an integrated approach is needed therefore, for sustainability to be achieved.

TMP Sustainability, launched in April this year, was set up to do more for the environment through greener building design. Their aim is to provide accurate and up to date advice and guidance on sustainable – i.e. lower environmental impact - design solutions to the built environment. Their three-strong team uses science to analyse and model sites and buildings, so they can reduce both operational and embodied energy (energy used in creating the building) from the outset. Long-term, energy consumption and carbon emissions are then reduced.

Starting the business

Science, nature, and engineering have always been of interest to Elisabeth Green of TMP Sustainability. Elisabeth studied Architectural Engineering at Cardiff University, and then went on to study an MSc in Renewable Energy with Architecture. After her studies she worked as a structural engineer for 6 years. She then set up TMP Sustainability to provide Nottingham with a sustainable consultancy, as she wanted to do more for the environment through buildings.

Benefits of being based in Nottingham

Nottingham has a climate declaration act and set environmental objectives. It is a focus outside of London with The University of Nottingham's School for the Built Environment and BioCity leading the way.

Elisabeth says: “It is important for TMP Sustainability to demonstrate its principles by using local resources



and businesses. The East Midlands is leading environmental research and it is important to maintain some of that high quality experience here rather than use a London environmental consultant (who may have been trained in Nottingham) to travel 260 miles return, emitting 90kg of carbon emissions per journey.”

Achievements so far

The launch of TMP Sustainability with a seminar 'sustainability - a win win solution' has led to working with Blueprint, local borough councils, and businesses. TMP's work with energy audits can reduce buildings energy consumption and save businesses money. They have also set up a charity called GreenAid to promote science, engineering, business, and the environment to inner city schools. This is generating funds through local businesses and mitigating their carbon emissions. Schools enter a design competition to improve their environmental practices and the winning school receives the funds to put their ideas into practice.

Plans for the future

TMP Sustainability aims to support the local construction and property industry, in developing sustainable buildings for the future of the local community. They aim to support Nottingham in achieving its goal to be an eco town and build on the status of Nottingham Science City.