

Tony Amis

With over 40 years in the construction industry, I have dedicated my career to managing large foundation and civil engineering projects across the UK, Asia, and, more recently, renewable energy initiatives in the UK and USA.

For the past 20 years, my work has been driven by a deep concern for global warming and the environmental impacts of human activity. This passion led me to focus on renewable energy solutions, particularly geothermal energy. My background in building foundations naturally drew me to ground source heat pump technology and the innovative potential of energy piles—geothermal loops integrated within building foundations.

I have been a strong advocate for raising awareness about the energy efficiency of geothermal systems, which provide heating and cooling solutions that are 4–6 times more efficient than traditional methods. In 2007, I spearheaded the energy pile trial at Lambeth College to address concerns about the impact of heating and cooling on foundation performance. This work contributed to clear industry guidance, much of which is reflected in the UK Ground Source Heat Pump Association's Thermal Pile Standard and more recently incorporated into the CSA/ANSI/IGSHPA C448 standard.