

Tony Amis MSc

Senior Vice President for Endurant Energy (Formerly GI Energy)

E Mail: tamis@endurant.com

Mob: +1 312 877 0021



My 35 years working in the construction industry has been split by managing large foundation (Civil Engineering) projects in the UK, Asia and more recently in renewable energy solutions in the UK and USA.

The past 20 years I have been raising the profile and opportunities associated with renewable energy solutions due to my ever-increasing concerns around the world related to global warming and the harmful effects we place on our planet. With my background in building foundations, I was especially drawn to the simplicity offered by ground sourced heat pump solutions and became specifically associated with raising the profile of geothermal opportunities, largely through the use of energy piles (geothermal loops installed within building foundations). Using heat pumps connected to geothermal loops enables a heating and cooling solution that is 4-6 times more energy efficient than conventional heating and cooling solutions. I initiated the energy pile trial at Lambeth College in 2007 to try and answer the many questions from sceptics about impacts on foundation performance and to provide clear guidance regarding the effect of heating and cooling piles and provide clear guidance regarding the effect of heating and cooling on piles, most of which is incorporated into the UK's Ground Sourced Heat Pump Associations Thermal Pile Standard and currently now being written into an International Ground Sourced Heat Pump Association standard.

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