



# A foundation for change



Redefining sustainable construction

# Our purpose

**At hiperenergy we redefine the link between sustainability and tangible value. We deliver integrated energy infrastructure that enhances asset value, better serving the needs of developers, businesses and communities.**

At the core of our business lies a multifaceted approach encompassing design, construction, finance, and operation, all geared towards the realisation of low-carbon, renewable thermal energy systems. Our vision is for a network of locally connected energy hubs, each trading and distributing surplus energy to optimise performance and minimise waste.

Our patented hiper pile foundation system is a groundbreaking and award-winning technology. The hallmark of the hiper pile is its ability to reduce both operational and embodied carbon emissions, effectively tackling the dual environmental footprints inherent in traditional methods of construction and current operation of buildings.

Within the realm of hiperenergy, we redefine today's foundations as tomorrow's assets by following the principles as outlined below:

**Integrated design:** By integrating structural, geotechnical and thermal design principles within a singular foundation solution we optimise efficiency and functionality.

**Embodied Carbon reduction:** Our methodologies lead to a substantial reduction in the embodied carbon associated with piled foundations, achieving reductions ranging from 20% to 40%, thereby mitigating the environmental impact of construction activities.

**Operational Carbon mitigation:** Through the harnessing of ground-source energy coupled with the latest heat pump technology, we achieve outstanding operational carbon reductions. Ground-source energy solutions, delivering an efficiency level twice that of air-source systems, form the bedrock of our sustainable energy approach.

**Holistic Energy systems optimisation:** We enable the integration of diverse renewable energy technologies, facilitating the efficient operation of entire building systems.

**Urban Development accessibility:** Our innovative solutions break down barriers to accessing high-capacity thermal energy storage and generation, particularly in densely populated urban environments where space constraints pose significant challenges.

**Financial accessibility:** Recognising the financial hurdles associated with the initial capital outlay for ground-source energy systems, we offer innovative funding options tailored to overcome these barriers, ensuring that sustainable infrastructure remains within reach for all stakeholders.



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