



To assist the design and implementation of sustainable GSHP solutions it is universally regarded as necessary to perform Thermal Response Tests (TRT's) as part of the initial site investigation activities.

// KEY FEATURES

- Testing of all geothermal boreholes and piles
- In-house data analysis
- Remote monitoring via the internet
- Self-sufficient, own power source
- Safe, secure and vandal proof
- Test report within 1 week of completion

In addition to the safety and mobility efficiencies of our TRT rig, it is also totally self-sufficient having its own water supply, super silenced power generator and all functions within the rig are remotely operable via a 3G mobile broadband connection. This allows remote start-up, shutdown, data analysis and monitoring via the internet, further enhancing the efficiency and speed of analysis.



With developers and clients often putting the emphasis on sustainability, TRT's are playing their role in sourcing suitable sites.

The processing of the data, and the subsequent calculation of results, is completed in-house, providing full control of delivering accurate data efficiently.

Initially the design of a borehole field for a given GSHP system relies on published data. This data provides approximate information such as Thermal Conductivity, relating to how the GSHP system would be expected to perform given the local ground conditions.

This approach accommodates its inaccuracies by either unnecessarily increasing the number of boreholes, the most expensive cost element per kW for a closed loop GSHP system, or worse still, underestimating the true requirement resulting in an unsustainable solution. TRT's significantly reduce the potential for this inaccuracy.

// PORTABLE EQUIPMENT

Our testing rig consists of a vandal resistant, off-road towable unit which has the ability to be lowered and raised using the in-built compressor. This minimises delays due to mobilising and demobilising, and when on-site presents a safe, secure and totally enclosed solution with no exposed pipes or cables.



FOR FURTHER INFORMATION CONTACT:

// TESTING AND ANALYSIS DEPT.

Birchwood Way, Cotes Park West,

Somercotes, Derby, DE55 4QQ

T +44 (0)1773 526370

F +44 (0)1773 526371

e: enquiries-somercotes@bbge.com