Ground Source Heat Pump Association Webinar Series 2020

Open Loop Ground Source Systems

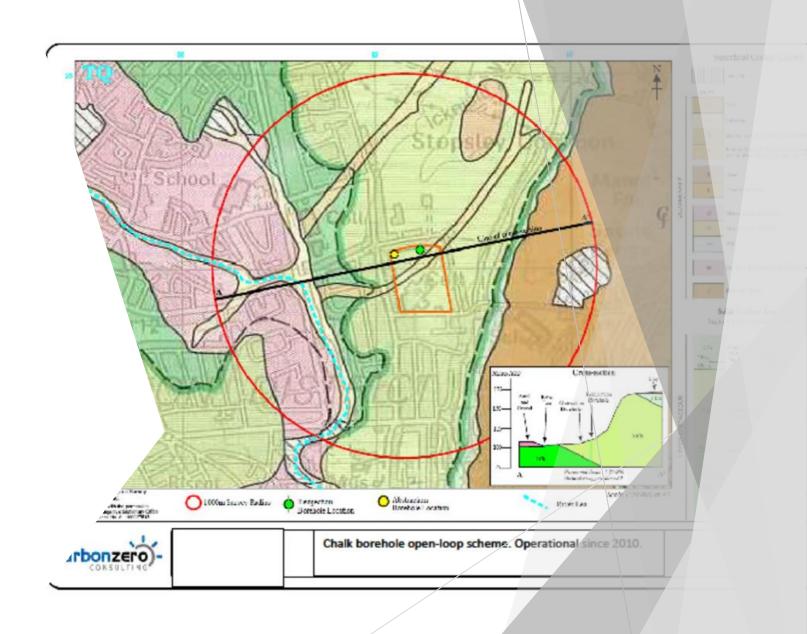
#5 – Above & Beyond the Ground

17th December 2020



Open Loop Ground Source Systems #5 - Above & Beyond

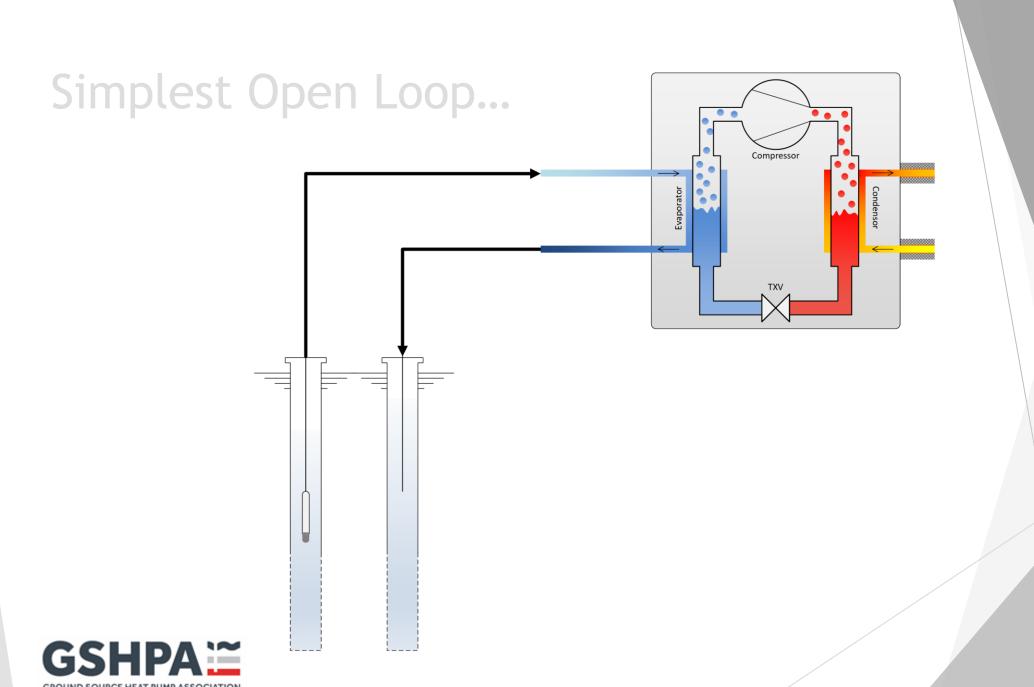
- Setting the Scene
- 2. Groundwater Modelling
- 3. Come All You Gallant Colliers Mine Energy Renaissance?
- Borehole for Water Source Heat Pumps
- 5. Listen On!



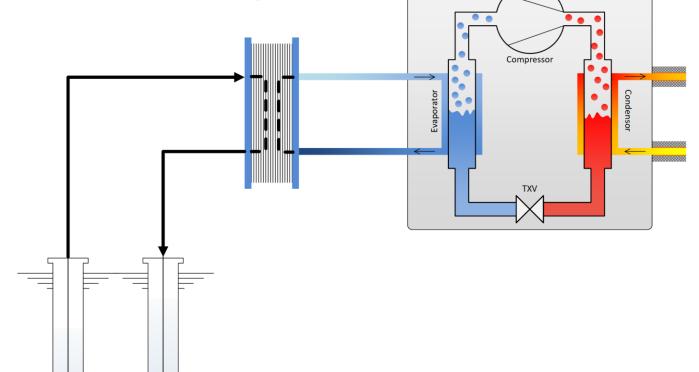
A word on Water Quality....

- Particulates
 - Well Development
 - ► Filtration is the last resort!
- Minerals
 - ▶ Up front assessment
 - Analysis
 - Specification of components
 - Regular maintenance
 - Can be a serious problem
- Bacteria
 - Analysis
 - Treatment Schedules





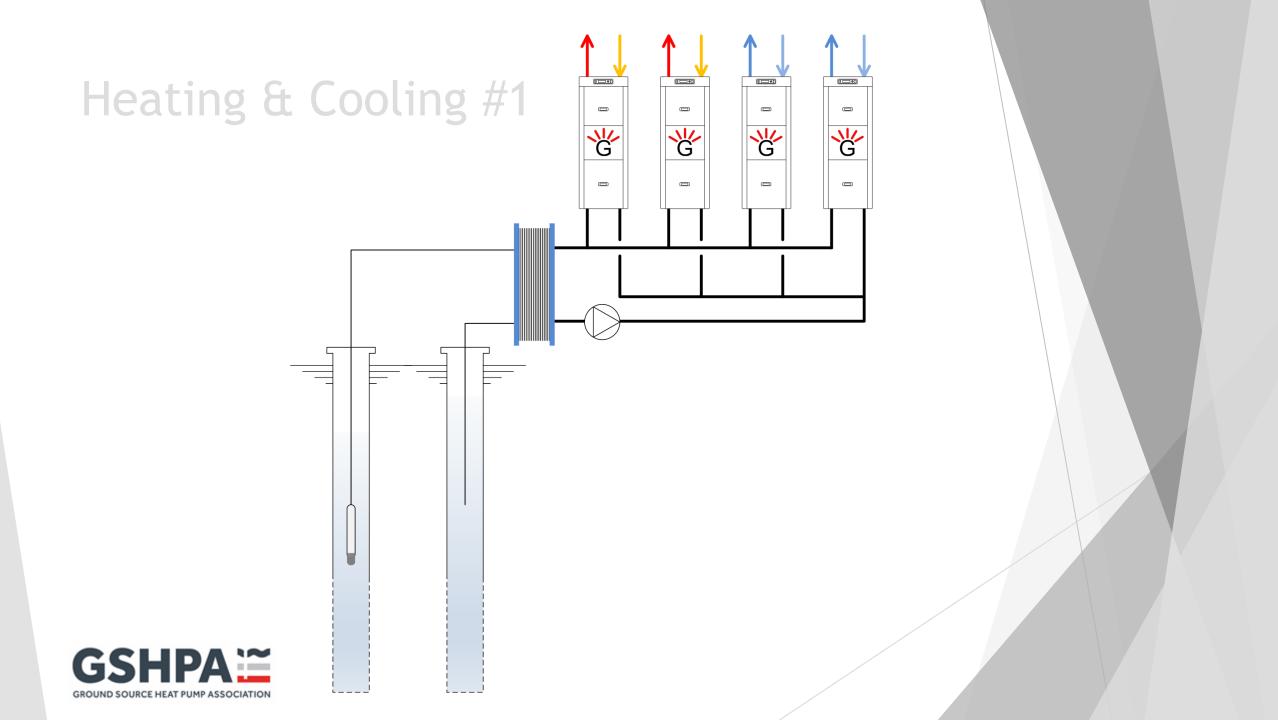
But a Much Better Option...

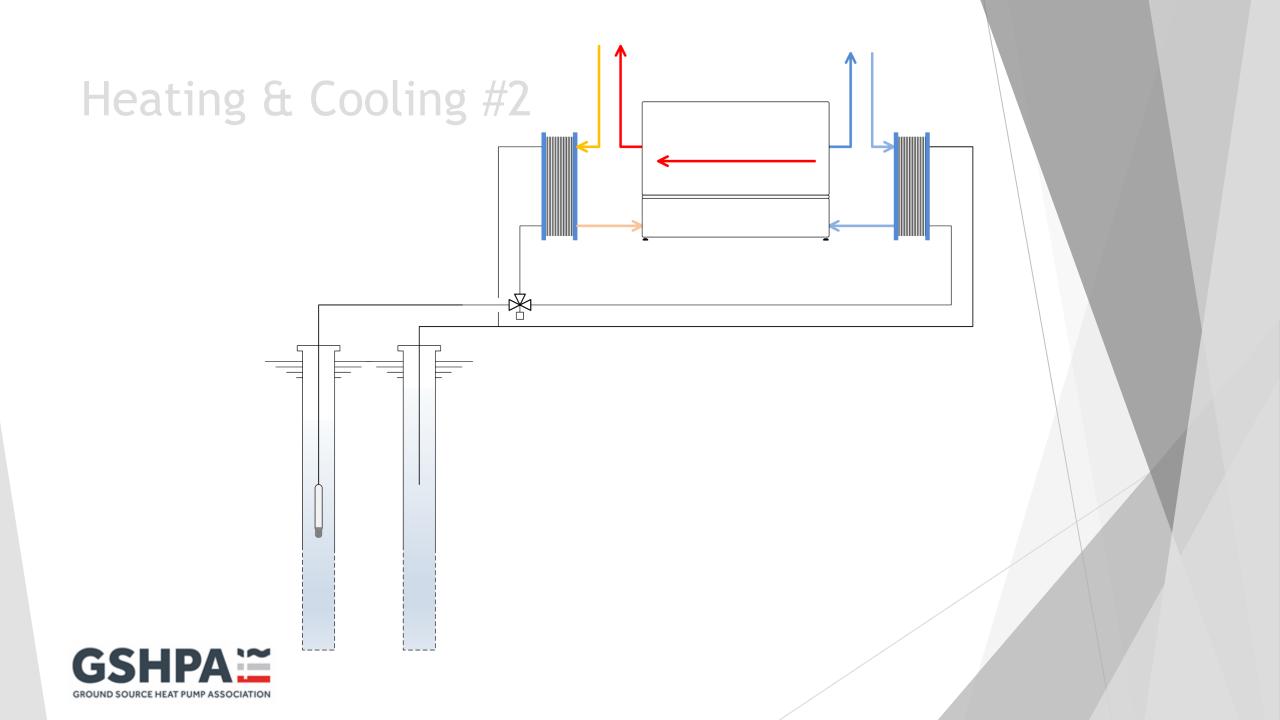




Central Heat Pumps

Distributed Heat Pumps





So in summary?

- Engage a specialist!
- Establish viability early
- Commence the licencing process via an EA Pre-Application
- Remember that modelling can be simple or complex
- Consider water quality
- Keep it simple!
- Remember the EA process, postdrilling, can take up to 9 months
- ...and did I say Engage a specialist?



Questions.....

and thank you www.gshp.org.uk

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