

Infra Dig – Geothermal in the UK

Angus Leslie Melville

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While not many people associate the UK with geothermal energy – and not without good reason – things look set to change dramatically on that front in the coming years.

IJGlobal content director Angus Leslie Melville talks to Dr Charlotte Adams, a director at the newly established National Geothermal Centre (NGC) which is championing the proliferation of geothermal energy around the UK.

In a podcast that runs for almost 27 minutes, the listener is taken from zero to hero on ambitions to drive a geothermal agenda to support the UK's bid to achieve Net Zero.

This latest episode can be accessed on Spotify (embedded above) as well as through [Apple Podcasts](#) and the [Amazon service](#). It is also hosted across a slew of other platforms and is open access on all of them.

Charlotte joined the NGC 3 months ago – April 2024 – and is a hydro geologist by background and has been working in the geothermal sector for the last 25 years.

The NGC is a newly established not-for-profit entity that aims to release the UK's untapped geothermal potential and make it a key contributor to the future low-carbon energy mix. The centre was founded by Durham University and the Reece Foundation, the Net Zero Technology Centre in Aberdeen and Shift Geothermal.

Charlotte says: "The UK has a long geothermal history spanning from early drilling in the north Pennines in the 1960s to the most recent drilling into the Cornish granites at the Eden Projects and United Downs in Cornwall.



"The UK doesn't have any volcanoes. Compared to places like Iceland and New Zealand that you might classically associate with geothermal, so our geothermal resources are relatively low temperature, but they are spread across a wide range of settings and accessible to most of the UK. They are also available for a wide range of uses at a variety of scales."

Tune into this latest episode to knowledge up about a fascinating clean energy source that is set to receive a shot in the arm, learn about how impactful it will be by 2050 (spoiler alert – 10GW of geothermal heat), and so much more...



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