

Petratherm Ltd

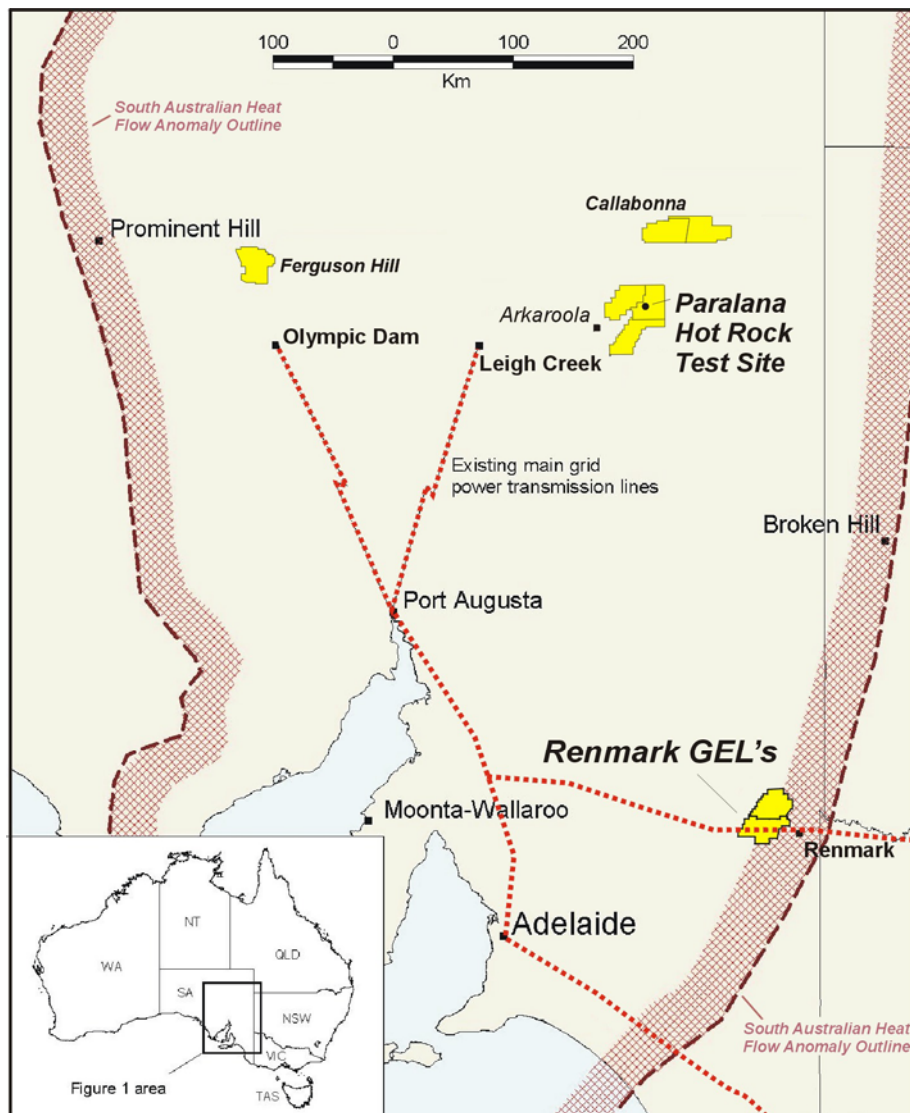
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New Geothermal Energy Project near Renmark

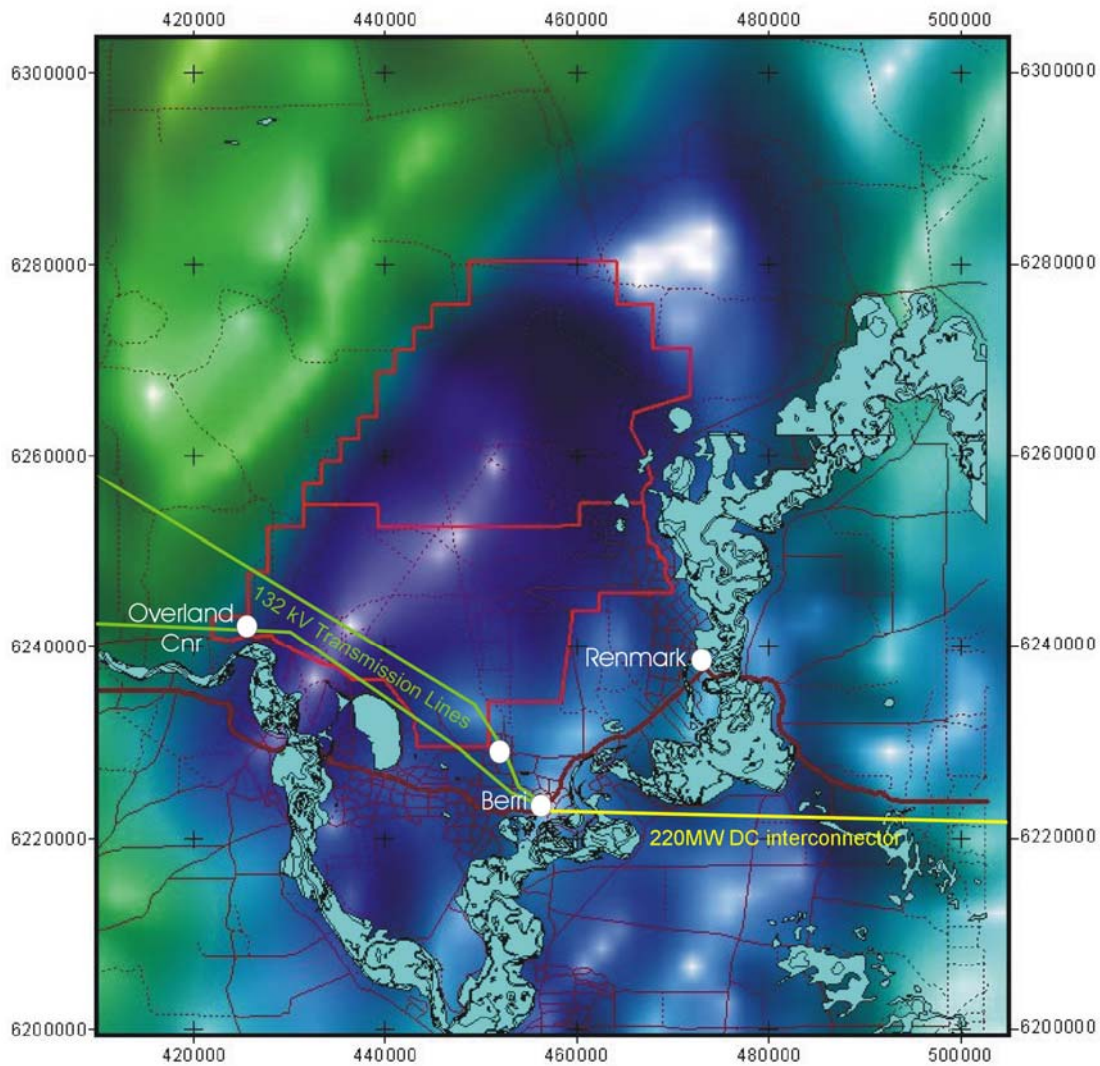
Petratherm is pleased to announce that it has expanded its geothermal project portfolio in South Australia, following the acquisition of two new Geothermal Exploration Licenses (GELs), located 26 kilometres northwest of Renmark, in South Australia's Riverland Region. The tenements cover the highly prospective Renmark Trough and are ideally situated in very close proximity to two major high voltage transmission lines, capable of carrying in excess of 220 MW of power. (Refer project site on Map 1 below)



Map 1 Petratherm GEL areas and High Voltage Transmission Infrastructure

The two new contiguous GELs capture the deepest portion of the Renmark Trough, a fault bounded depression of the Murray Basin (Refer Map 2 below). The estimated depth to basement, based on seismic data, is 3.5 kilometres. Measured thermal gradients in the area are elevated and potentially around 40 degrees per kilometre. The current exploration initiative is looking to test a conventional geothermal model of directly extracting hot brine waters from aquifers near the base of the trough.

Two high voltage 132 KV transmission lines run through the tenement holding. Network analysis of the transmission system has confirmed that this is a strong portion of the National Electricity Grid and could easily support a large scale geothermal development. Whilst the region will not yield as high a geothermal gradient as Petratherm's flagship Paralana Project, the licence area is attractive for geothermal exploration by virtue of its proximity to large capacity transmission infrastructure and the potential for the utilization of naturally occurring hot geothermal waters at depth, requiring relatively lower engineering costs to develop.



Map 2 A gravity image of the Renmark area indicating the location of the new GELs and their relationship to transmission infrastructure and townships. The dark blue shadings on the gravity image represent the deepest, and thus the most prospective portions of the Renmark Trough. The boundaries of the GELs are outlined in red and clearly bracket the deepest parts of the sub-basin.