Geodynamics Limited is developing the world’s first multi-well hot fractured rock power project. Geodynamics has assessed its resource as holding geothermal energy sufficient to support several thousand megawatts of electricity generating capacity. The company planned to develop a 1 MW advanced pilot plant. After which a decision on whether to proceed with a 25 MW project to demonstrate the potential of hot-rock geothermal energy for zero-emission, base-load power is to made by 2013. A 500 MW power plant is planned by the end of the decade with the long term goal of producing several thousand megawatts. September 2013, the company reported that the results from the Habanero pilot plant supported its belief that the its enhanced geothermal system could play a material role in Australia’s energy future but the Cooper Basin resource will require “significant capital investment” for further exploration, development and to extend transmission infrastructure" and that "Under the current market conditions, this scale of expenditure is not economic". Geodynamics was developing plans, and seeking a power purchase agreement, for an initial smaller scale commercial project of 5 - 10 MW to supply companies who are looking to exploit shale gas and shale oil developments in the region. This would require six wells to be operating. In August 2016, Geodynamics announced that it was closing down the project. The company said that it had managed to extract super-heated water from five kilometres below the earth's surface and use it to generate small amounts of electricity. But the cost of implementing the technology and also the cost of delivering the electricity that was produced to a market was greater than the revenue stream that could be created.

Company: Geodynamics Limited
Capacity (MW): 10
Status: Cancelled
Start Year: 2014
Technology: Steam turbine
Fuel: Geothermal
Source of Information: Geodynamics web site (September 2011, September 2013)