Script for Govhack 2025

Australia seeks to become the Data centre capital of Asia-Pacific, but to do this, it will need to build new data centres. To do that, the best location for these data centres needs to be determined.

To find the data you, you have to need to crawl through and dig into many different websites where the data you’re looking for stored and is sometimes buried so deeply you never find it or it’s in a format that you don’t know how it affects your new data centre.

This is where Data Centre Frontier comes in. Data Centre Frontier grabs the open data from websites like Digital Atlas of Australia. Department of Climate Change, Energy, the Environment and Water, then consolidates them into a single map. From there, you can draw the footprint of the data centre on the map, and Data Centre Frontier will determine its score on how viable that location is.

It does this by checking the distance from necessary infrastructure, such as high-voltage powerlines, water reservoirs, and the population/workforce. It also checks the climate, whether the area you zoned falls into a protected area, flood zone, or bushfire zone.

And in the future, also be able to show you a prediction on how much it will cost to run that data centre, by gathering current cost per megawatt per hour and water usage and cost and display these as well, so you are truly informed when deciding to build your next datacentre.

Data Centre Frontier will also include links as to where it's currently pulling data from, so that it may be independently audited by our users, government or organisations. We will always be transparent with what data we are using and where we are getting it from.

By gathering all this data and being transparent with it in one place, Data Centre Frontier can act as your one-stop go-to when planning new data centre construction for a cheaper build and operating cost and a cleaner environment.

The Video playing now is a proof-of-concept version, developed by ChatGPT5.0, of what Data Centre Frontiers could look like and is missing most of the features described. But imagine what a dedicated analysis AI could do if what we are describing was already made somewhat possible by an everyman AI software.

Thank you for watching let us make Australia a leading competitor in our digital world.