



Case Study

Euronext data centre in Bergamo

// 15 of May 2023

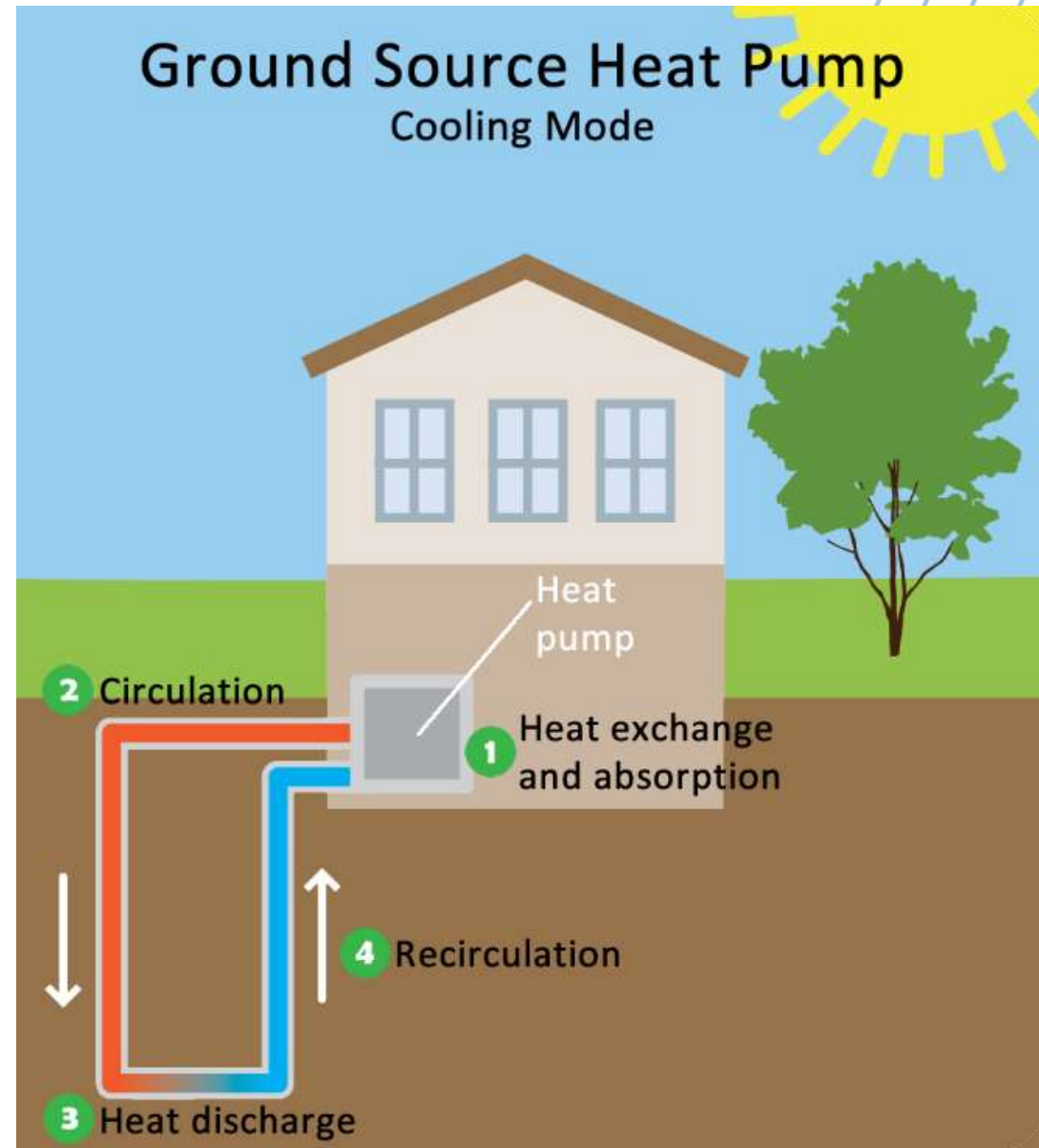
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How does geothermal cooling work?

Passive (or “free”) cooling and active cooling.

Passive cooling utilizes natural conduction, convection, and radiation to cool a component, while active cooling requires the use of energy specifically dedicated to cooling the component.

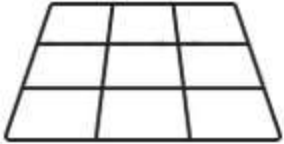


Geothermal cooling in data centres:

the example of Euronext Data Centre in Bergamo



Global Cloud Data Center IT3, Italy



Surface area:

17,500 m²



Capacity:

Over 165,000 physical servers.



Location:

[Ponte San Pietro, Bergamo, Italy](#)



3D Video Tour



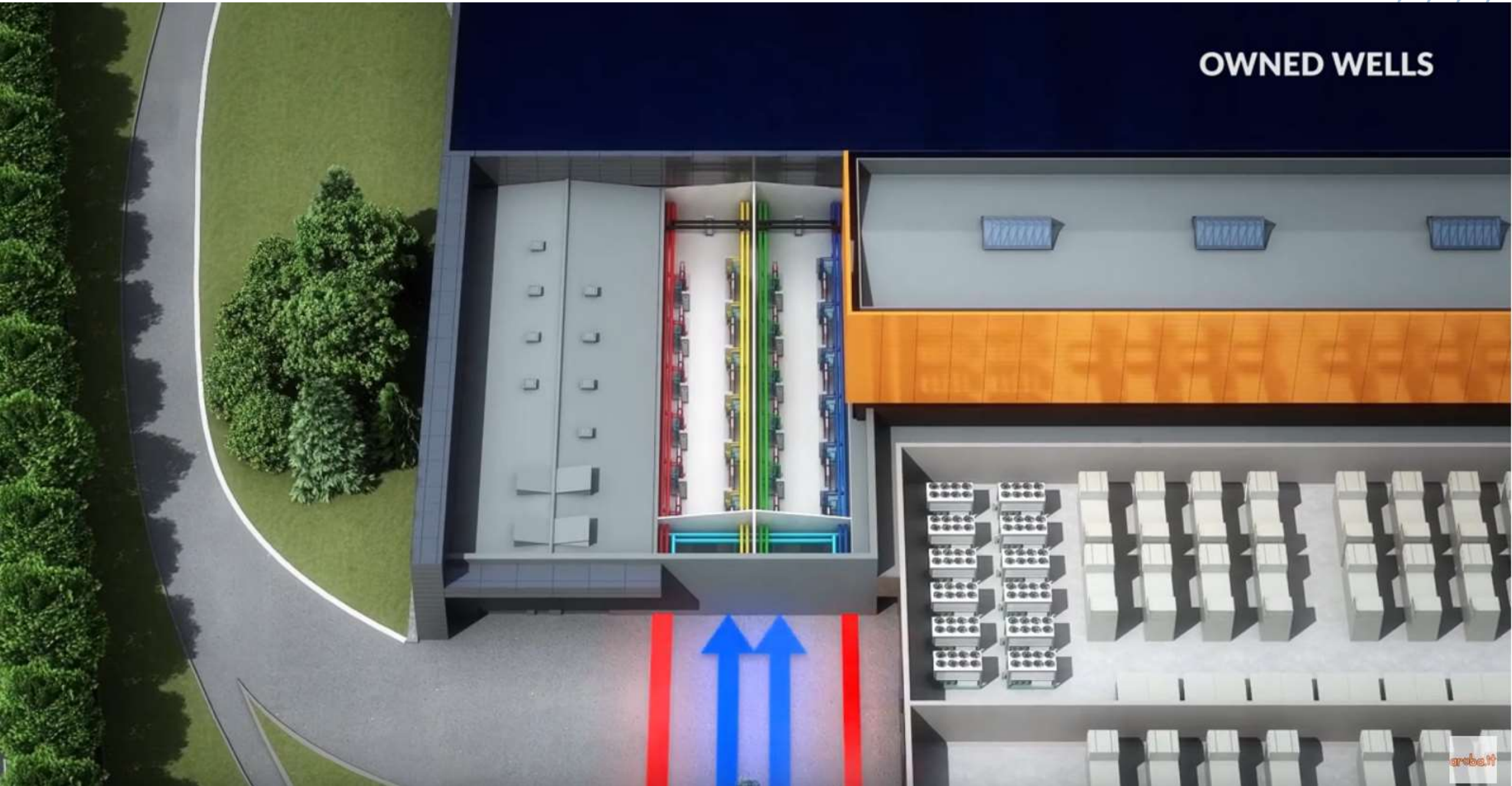
Migration of Euronext's Core Data Centre from Basildon, UK to the Aruba Global Cloud Data Centre in Bergamo, Italy has been concluded on 6 June 2022

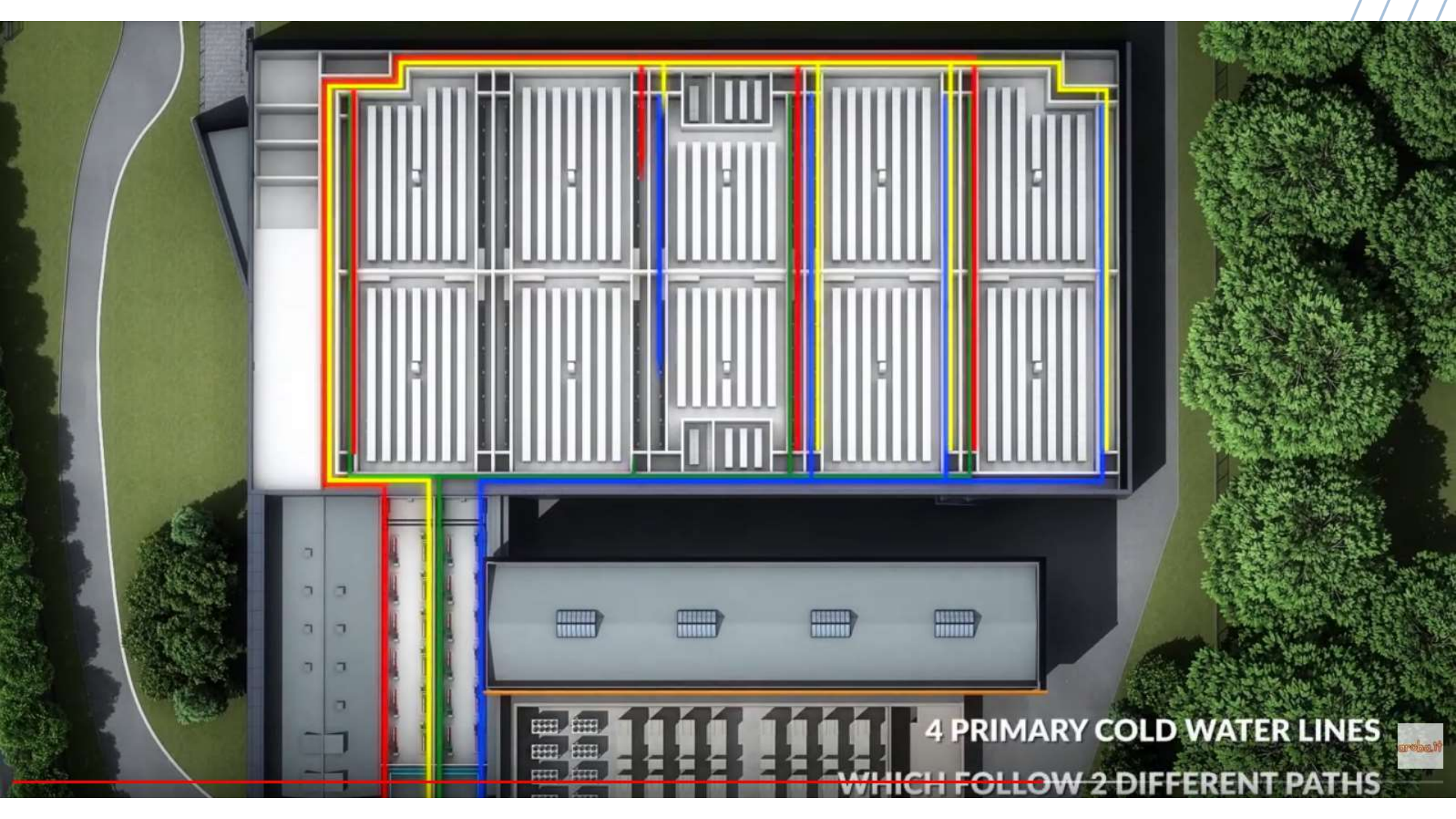
The new Core Data Centre is entirely powered by renewable electricity, much of it self-produced through a large photovoltaic system and a hydroelectric unit.

It also benefits from reduced power consumption thanks to very efficient cooling systems using geothermal and dynamic free cooling, and the use of cloud computing to reduce the number of servers.



OWNED WELLS





**4 PRIMARY COLD WATER LINES
WHICH FOLLOW 2 DIFFERENT PATHS**

To learn more about the environmentally-friendly features of the new Core Data Centre, click here:

<https://lnkd.in/e-25Ktdg>

And watch:

<https://www.youtube.com/watch?v=THzGiaGK7EU>





Thank you for your attention!

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