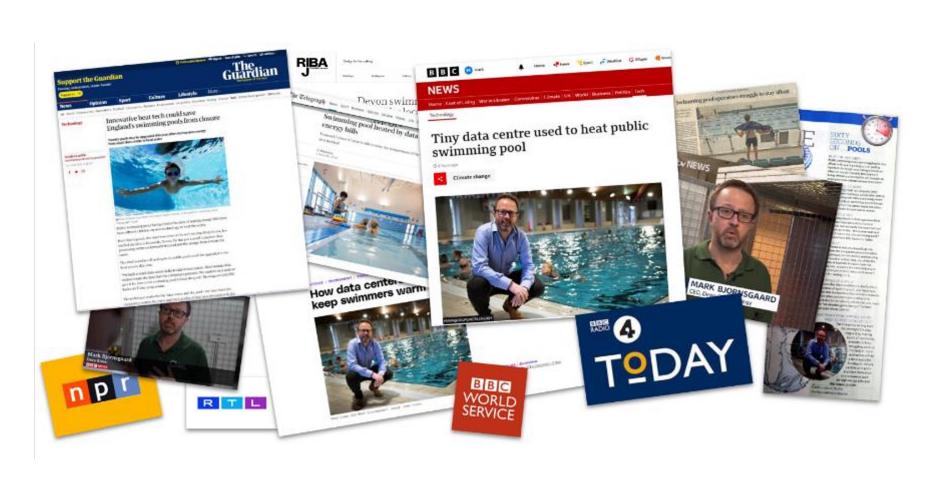
Transforming societies with data centre heat



Transforming societies with data centre heat Mark Bjornsgaard, GEO Deep Green







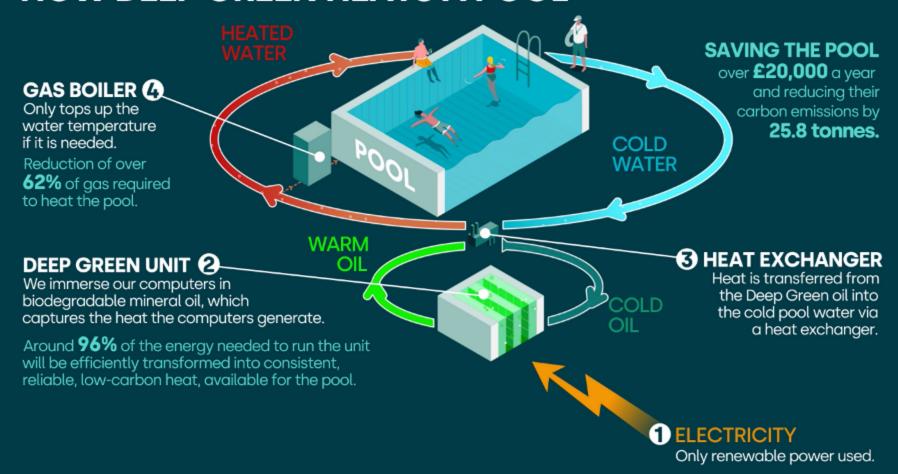




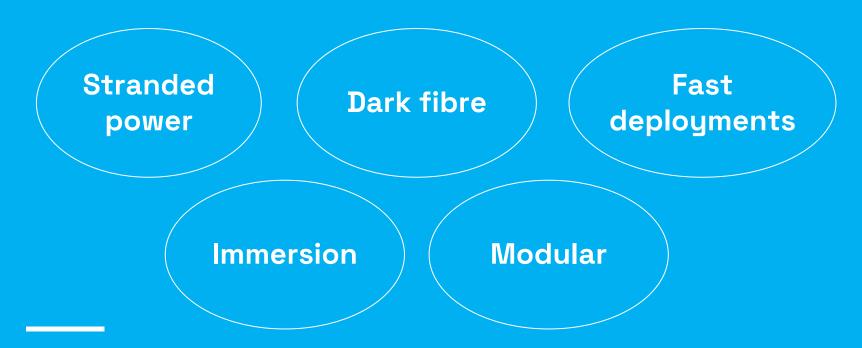


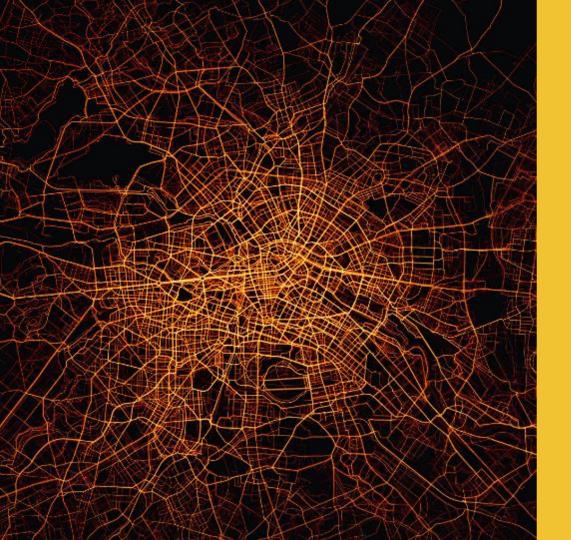


HOW DEEP GREEN HEATS A POOL



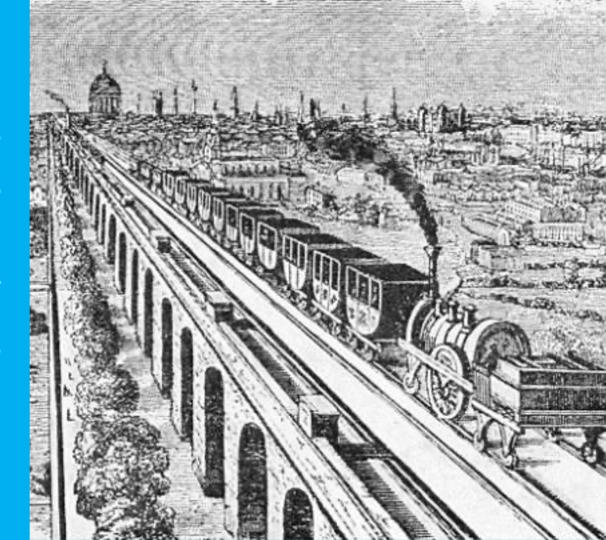
Modelling a new mindset...





We imagine a time where data centres heat all of the homes of Europe...

A mission as ambitious as the Victorian railway networks



Europe's Carbon Emissions

3%

Data centre

17%

Heating homes and spaces



Data centres **EVERYWHERE!**

"Excess heat in the EU alone amounts to 2,860 TWh/y, corresponding almost to the EU's total energy demand for heat and hot water in residential and service sector buildings".



Most heat is in the wrong place....



Cement manufacturing

Steel production

Chemical manufacturing

Food production

Wastewater treatment plants

The future is here... It's just not evenly distributed...



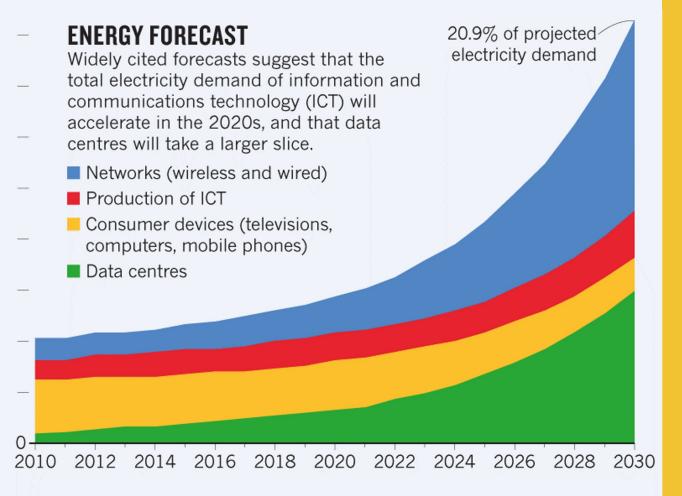


Portable assets

Easy to capture heat

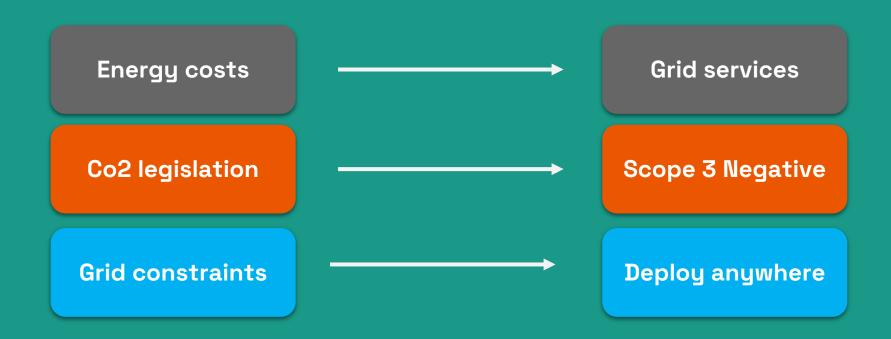
Heat sinks improve the economics

Decentralising - edge migration



The data centre industry is set to grow **10**x by 2033...

Heat recapture is a magic bullet...



The first steps on a journey which will span generations...



Data centres are the foundations of our new economies...

Micro Heat Networks

Grid management

Data centres

Thank you...

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