

The Icelandic Data Center Advantage for High Performance Computing

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THE SMART DATA CENTER SOLUTION



Processing Data is Power Intensive

“Energy Risk”

- Expensive
- Unpredictable Pricing
- Unstable Delivery
- Fossil Fuel
- Negative PR and Taxes

Processing Data is Power Intensive

1 MW of server infrastructure in London or Frankfurt can cost €1.0 to €1.6 million annually on power alone.

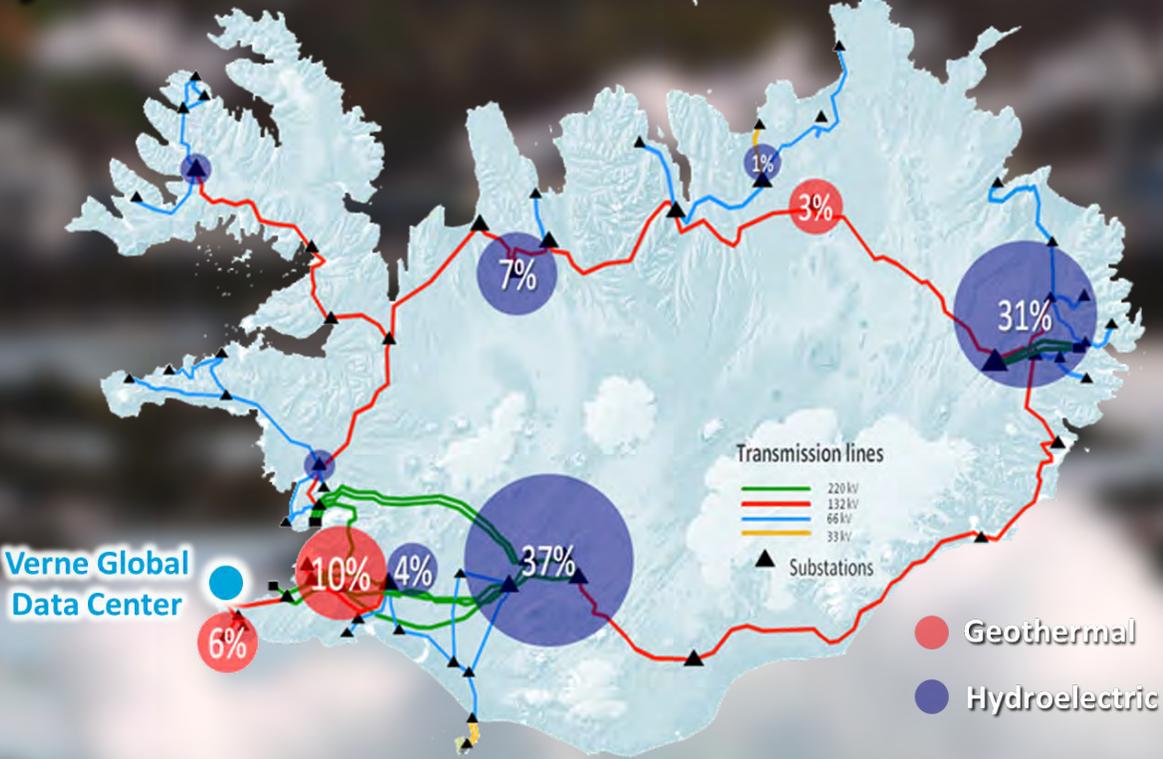


Why Iceland?

- Connectivity
- Workforce and Culture
- Environment
- Government
- 100% Renewable, Reliable,
Low-cost Power

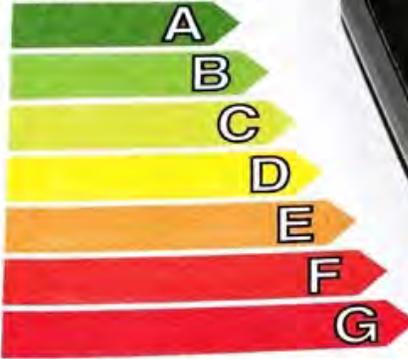


Clean, Reliable Power



Energy

More efficient



Less efficient

Energy consumption
kWh

Washing machine

A: higher G: lower



Stromkosten
Zahlpunktbezeichnung: Select-Home
Zahlernummer 20029242

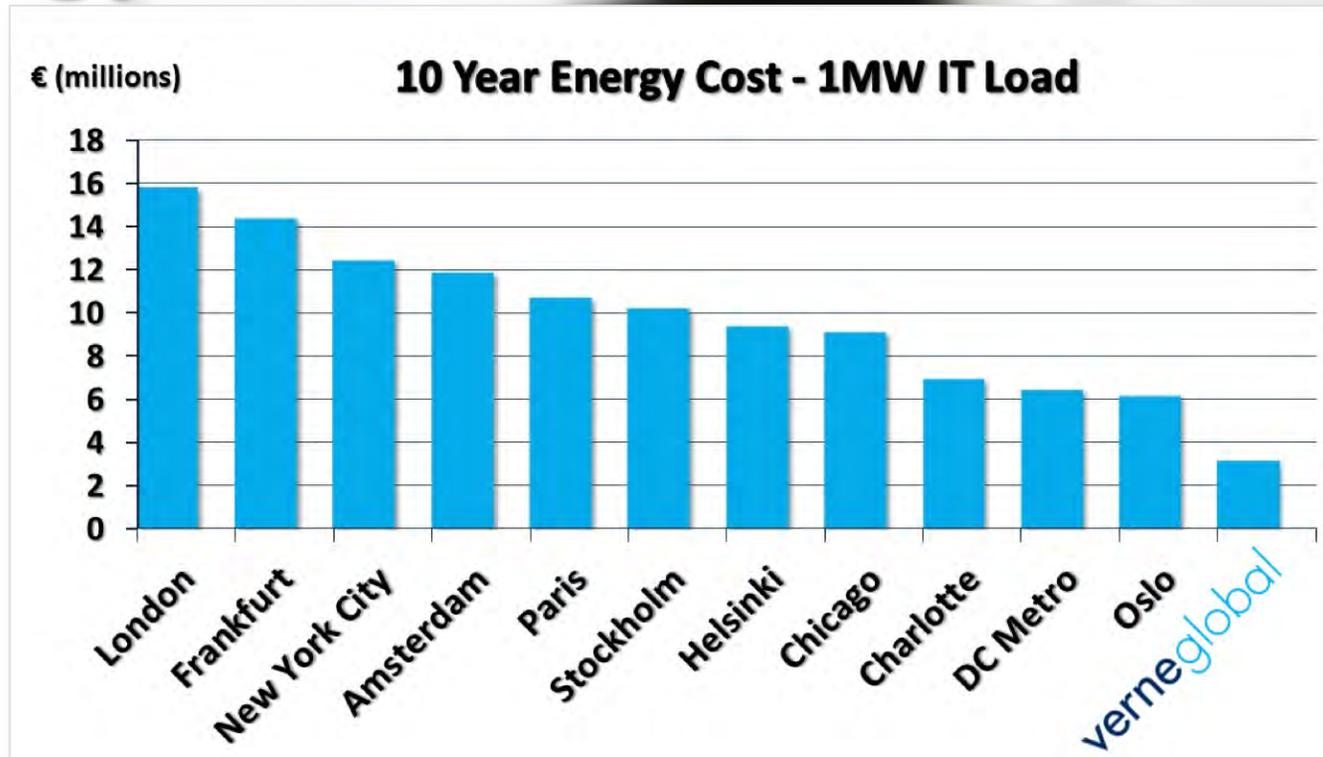
Zeitraum	Menge	Merkmale
17.754,40 am 09.01.2009		
19.612,50 am 05.01.2010		
(357 Tage)	1.858,10	Kundenselbstablesung
(5 Tage)	11,74	Ablesung-Netzbetreiber
(357 Tage)	0,16	09.01.09 - 31.12.09
(5 Tage)	1.832,44	01.01.10 - 05.01.10
	25,66	09.01.09 - 05.01.10
	11,90	09.01.09 - 05.01.10
	1.858,10	09.01.09 - 05.01.10

10.0000000000000000

Zeitraum	Menge	Einheit
09.01.09 - 31.12.09	957,40	kWh
01.01.10 - 05.01.10	944,18	kWh
01.09 - 05.01.10	13,22	kWh
09 - 05.01.10	11,90	Monate
- 05.01.10	11,90	Monate
	957,40	kWh

2.815,50

Energy Cost Comparison





Cool Opportunities for Efficiency

Average high and low temperatures in Keflavík

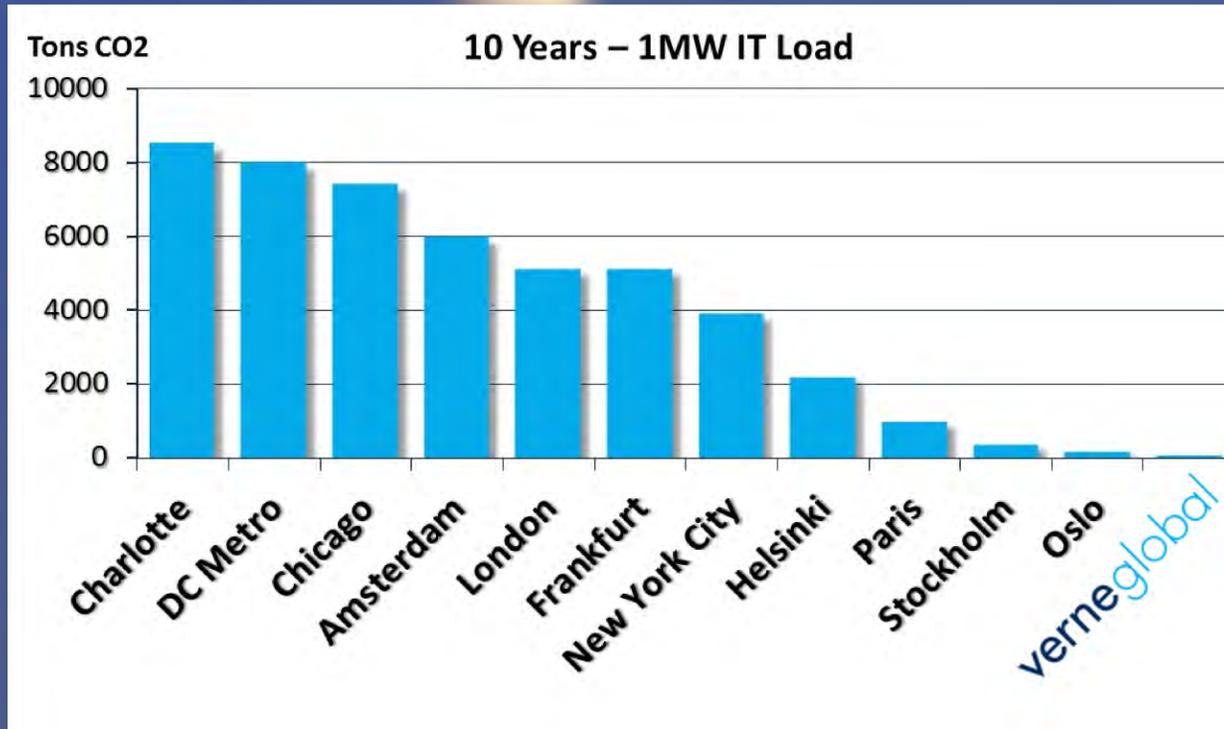
Degrees Celsius





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CO2 Footprint Comparison





Connectivity



- DATAPIPE - STRATOSPHERE GREEN CLOUD
- STRATOSPHERE HOSTED PRIVATE CLOUD
- COLT NETWORK POINT OF PRESENCE
- UNDER SEA CABLES



Verne Global's Icelandic Data Center

