

High

Performance

Computing

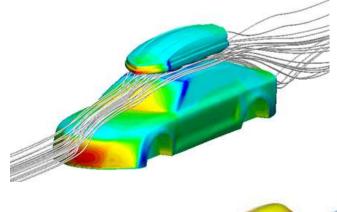
(HPC)

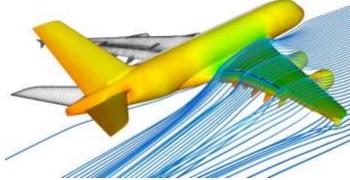
Used for solving advanced problems and performing research activities through computer modeling, simulation or analysis. Computer uses paralell processing to solve complex calculations fast.

HPC-Everything.

It can save your morning and your life.













Environment

Global warming: Data centres to consume three times as much energy in next decade, experts warn

416.2 terawatt hours of electricity world's data centres used last year was far higher than UK's total consumption

Tom Bawden Environment Editor | @BawdenTom | Saturday 23 January 2016 21:37 GMT | □ 2 comments











How viral cat videos are warming the planet

Datacentre web servers, such as those used by Google and Facebook, to blame for 2% of greenhouse gas emissions - about the same as air travel

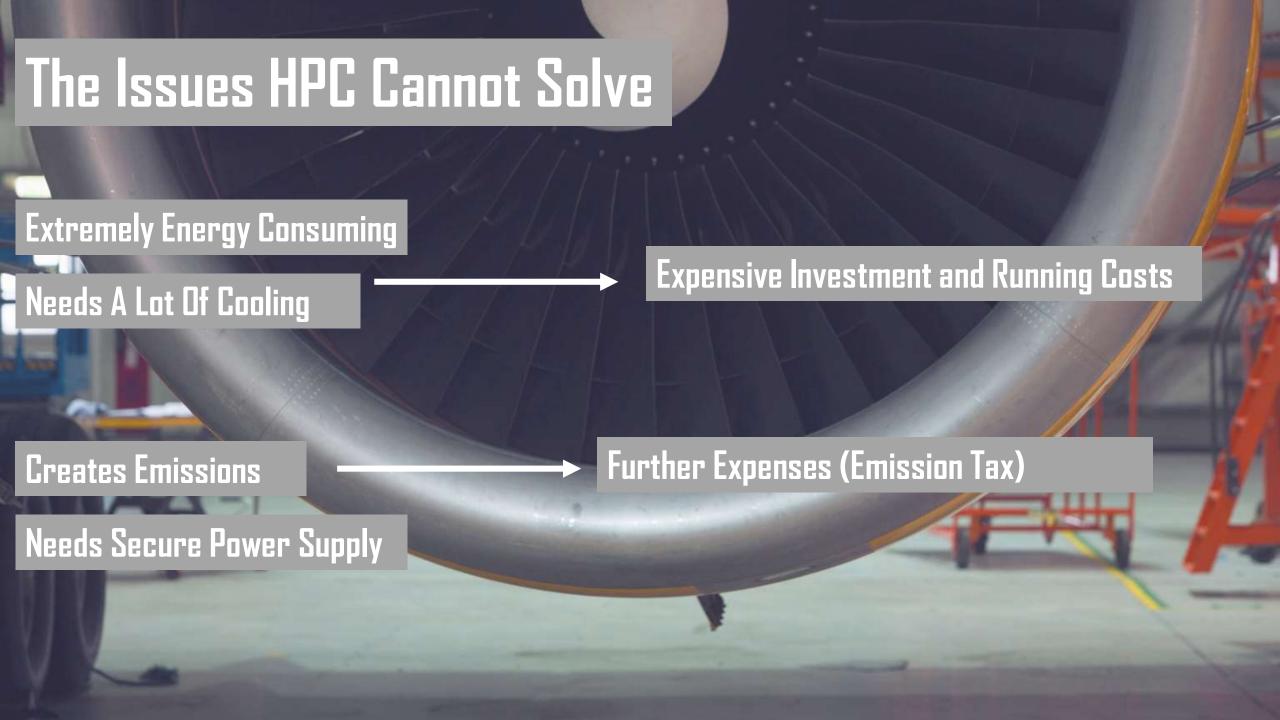


(i) Inside Google's data centre in Mayes County, Oklahoma. The firm's carbon footprint was equivalent to more than 1.7m tonnes of carbon dioxide in 2013. Photograph: Google/Rex



approx. 401/100km

fully electric





HPC + Iceland = Ideal Match

Energy Consuming, Emission Creating

Expensive Investment and Running

Energy Availability

Energy Security Important

Cooling Is Essential

It Has To Be Safe!

100% Renewable Energy

Low-Cost Energy

Independent from world markets of energy

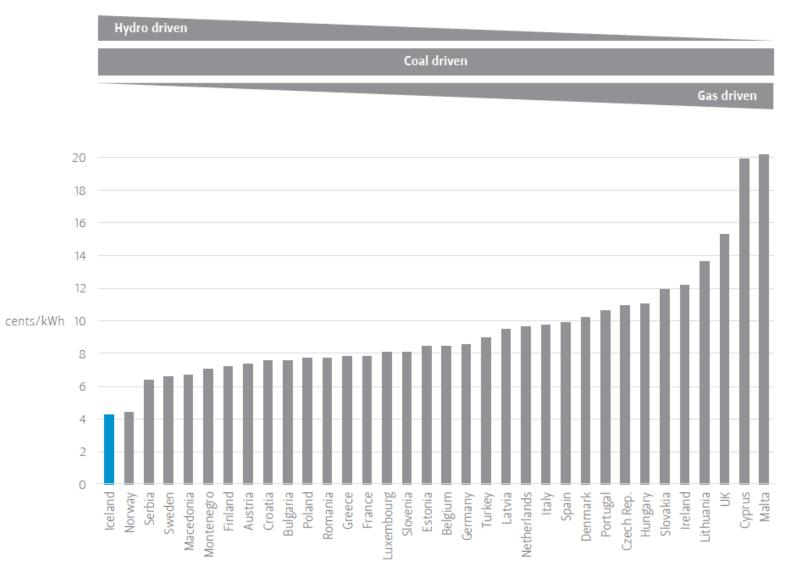
Over 90% energy surplus

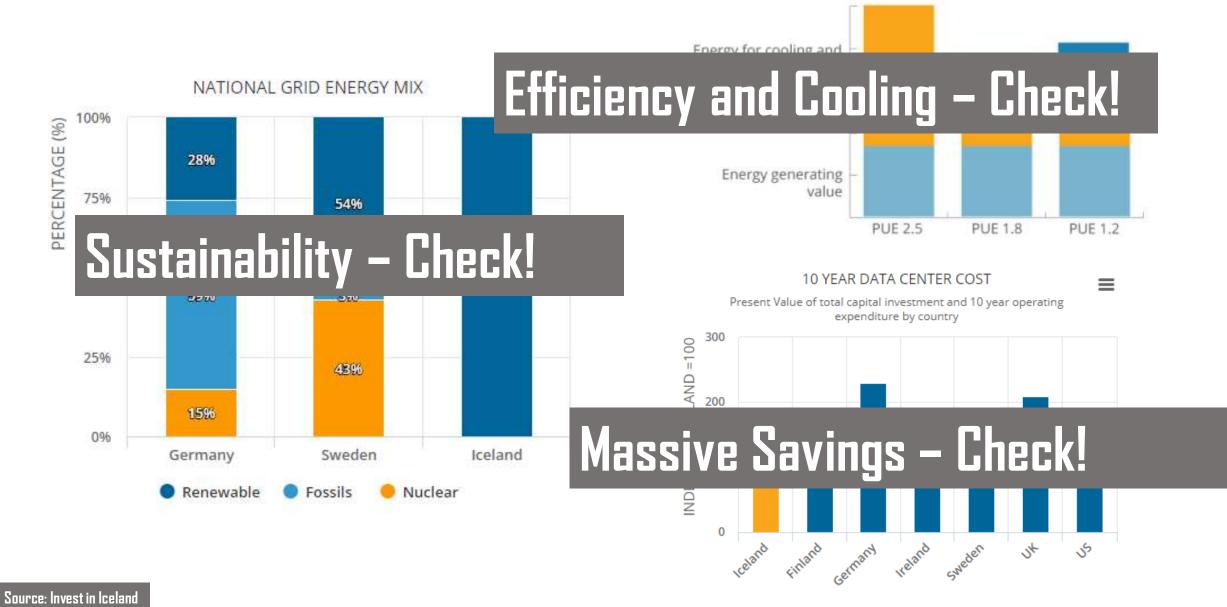
Extremely robust power grid

Free cooling all year due to climate

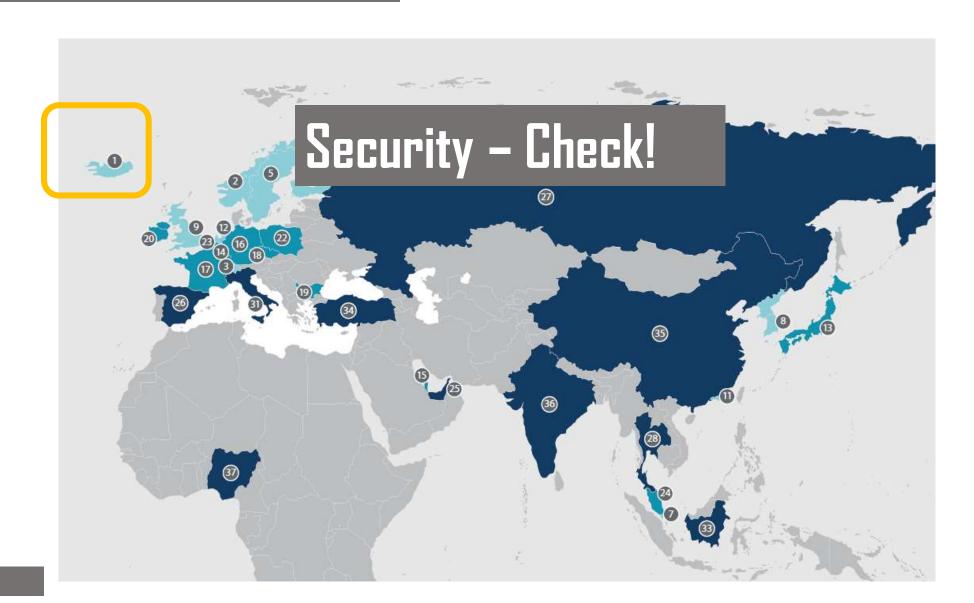
Unprecendented Safety

Figure 2: European power prices and energy source mix





Data Center Risk Map



Is Iceland Poised to Become a Data Center Paradise?

By Dave Levitan Posted 6 Nov 2014 | 20:00 GMT













OR SEPTEMBER 25, 2017 - ENTERPRISE



Why Iceland Could Be The Safest & Most **Sustainable Location for Your Data**

Iceland rated as the world's safest location for a data center



Using HPCaaS For Your Next Breakthrough Fearlessly — The Options Are Limited O BH OCTOBER 4, 2017 # ENTERPRISE / HPC

Tried and Tested.



Cost of HPC operations 82% less.





From 16p to 4p per kwH





lceland ideal on the globe for HPC: sustainable and low-cost energy, free cooling, top safety and availability of energy.

Important for Iceland develop this golden opportunity as it will have a long-term positive effect on the country's economy and future stability.

