



submer

Matteo Mezzanotte
PR & Corporate Communication - Submer
contact@submer.com



The Evolution of Data Centers

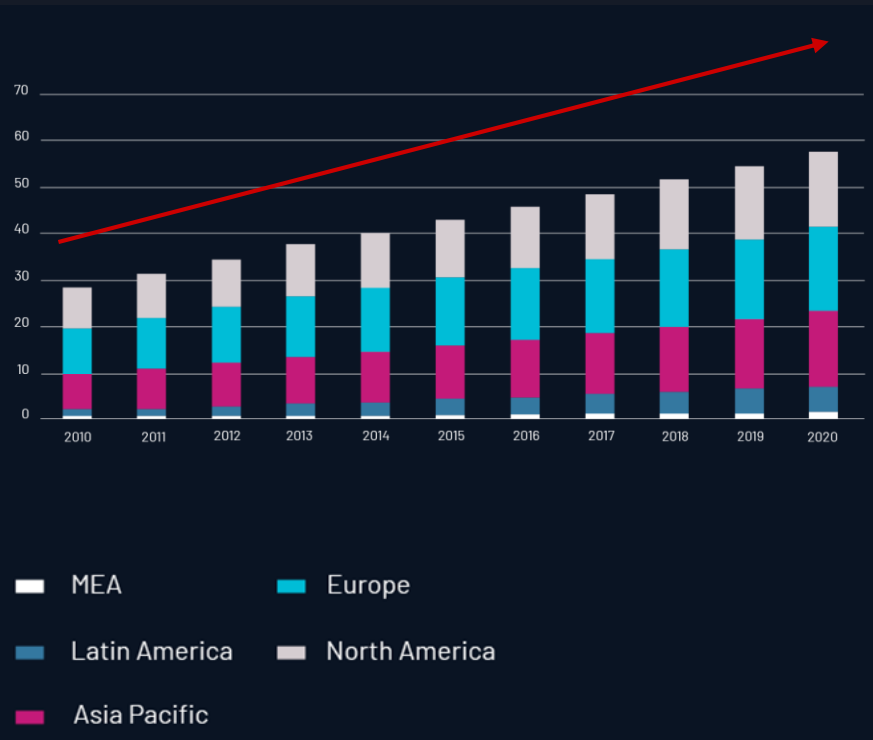


Data Center environmental impact is our *big little lie*

*Data Centers and Cloud
Providers consume 6% of the
global electricity (more than
India) and generate 4% of global
CO2 emissions (more than 2
times commercial air travel).*



In recent years, Data Center industry has witnessed a **migration toward Northern regions**, looking for places with a low electricity cost and low temperatures.



new power hungry IT + new trends =

Unprecedented densities

Blockchain / Artificial Intelligence

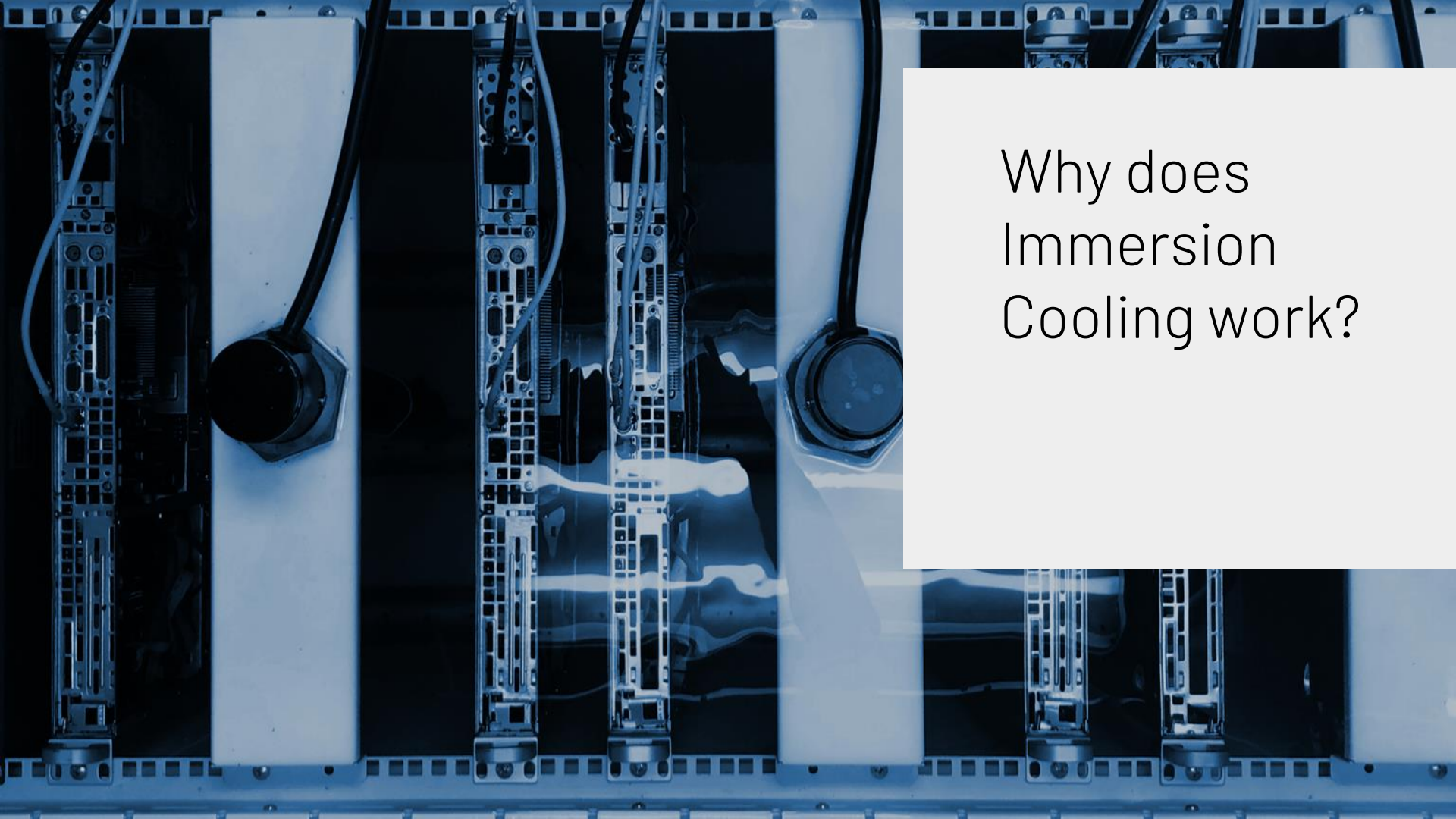
Edge / IoT / HPC / Hyperscale



The Next Generation Data Center is **anywhere** and **everywhere** and requires **extreme density** and **efficiency**.



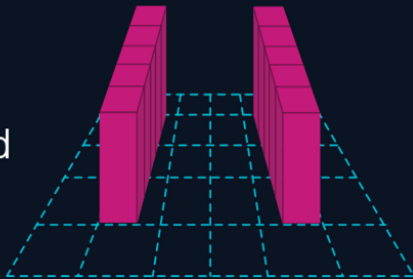
Immersion Cooling
to Power the
Next Generation
Data Center

A blue-tinted photograph of server racks in a data center. The racks are filled with electronic components, and there are large black cooling fans visible. A white text box is overlaid on the right side of the image.

Why does
Immersion
Cooling work?

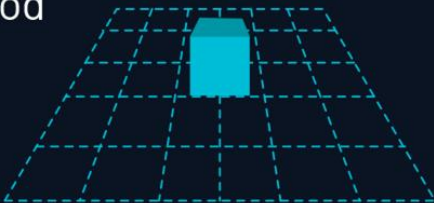
10

regular
air-cooled
racks



1

SmartPod
50 kW



air-cooling



immersion cooling

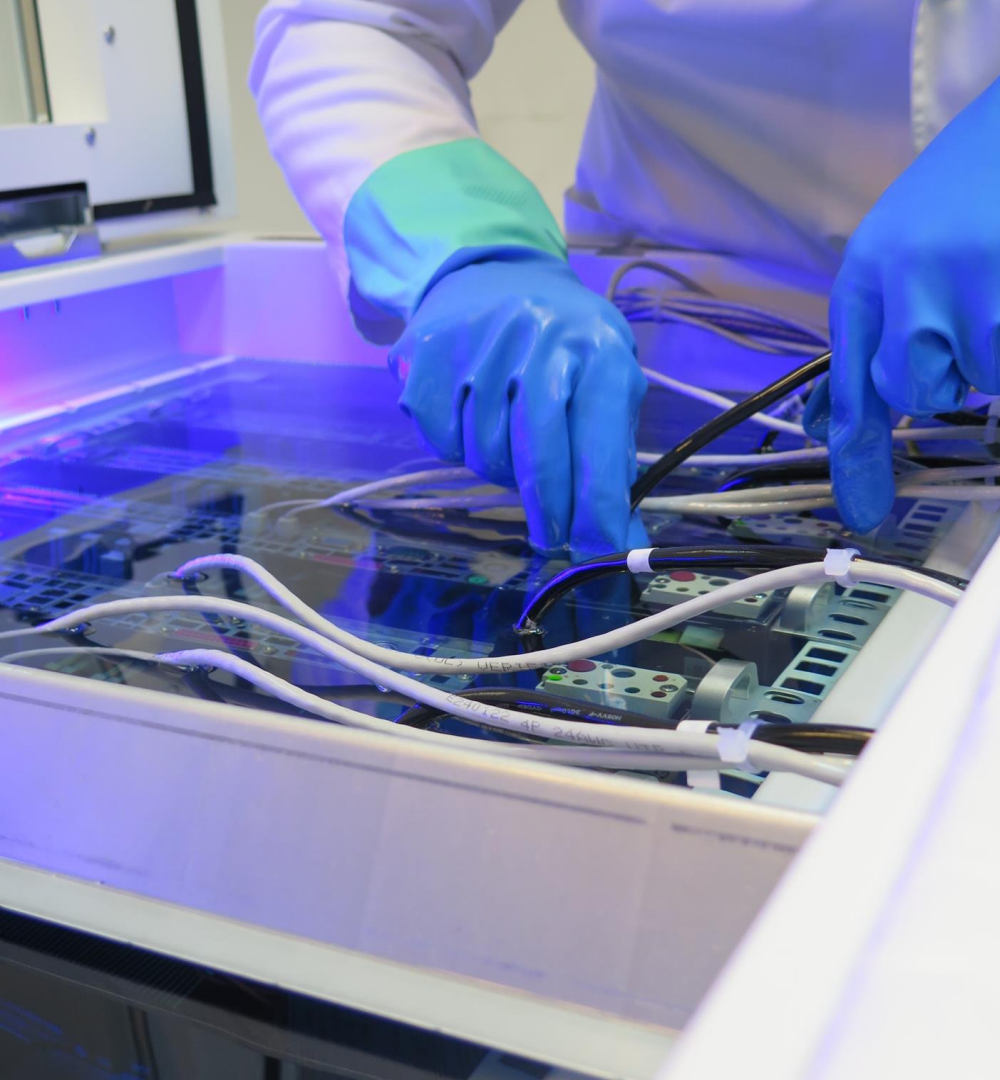


← 50% reduction →

■ Servers

■ Cooling

Why does
Immersion Cooling
allow for such
density and
efficiency?



Submer has
developed the full
stack of technology



Enabling optimised
Edge solutions



submer

There's a Better Way

Matteo Mezzanotte
PR & Corporate Communication - Submer
contact@submer.com