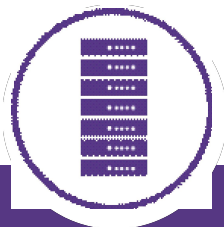




AFRICA  
DATA CENTRE  
ASSOCIATION

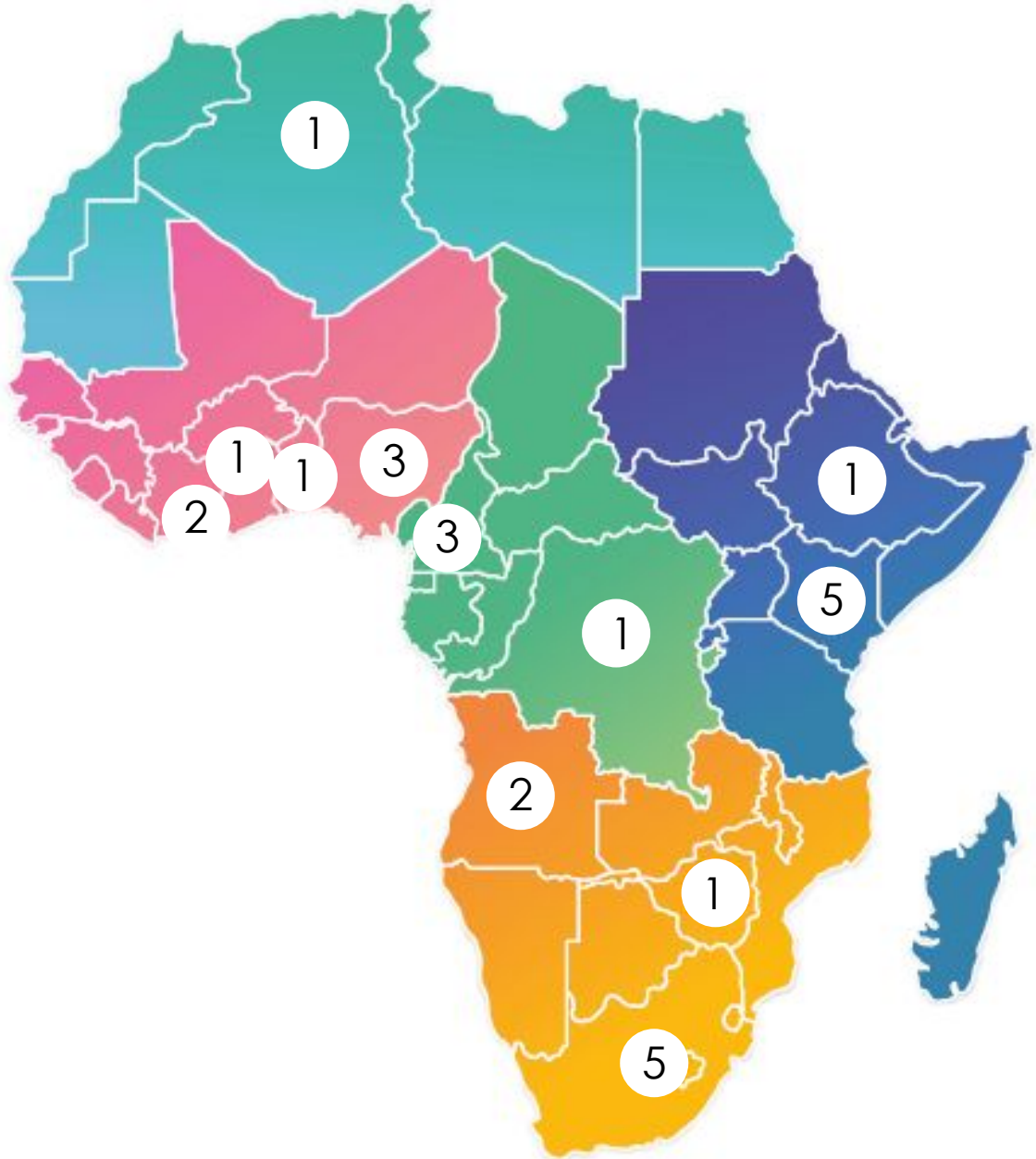
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Olivier LABBE

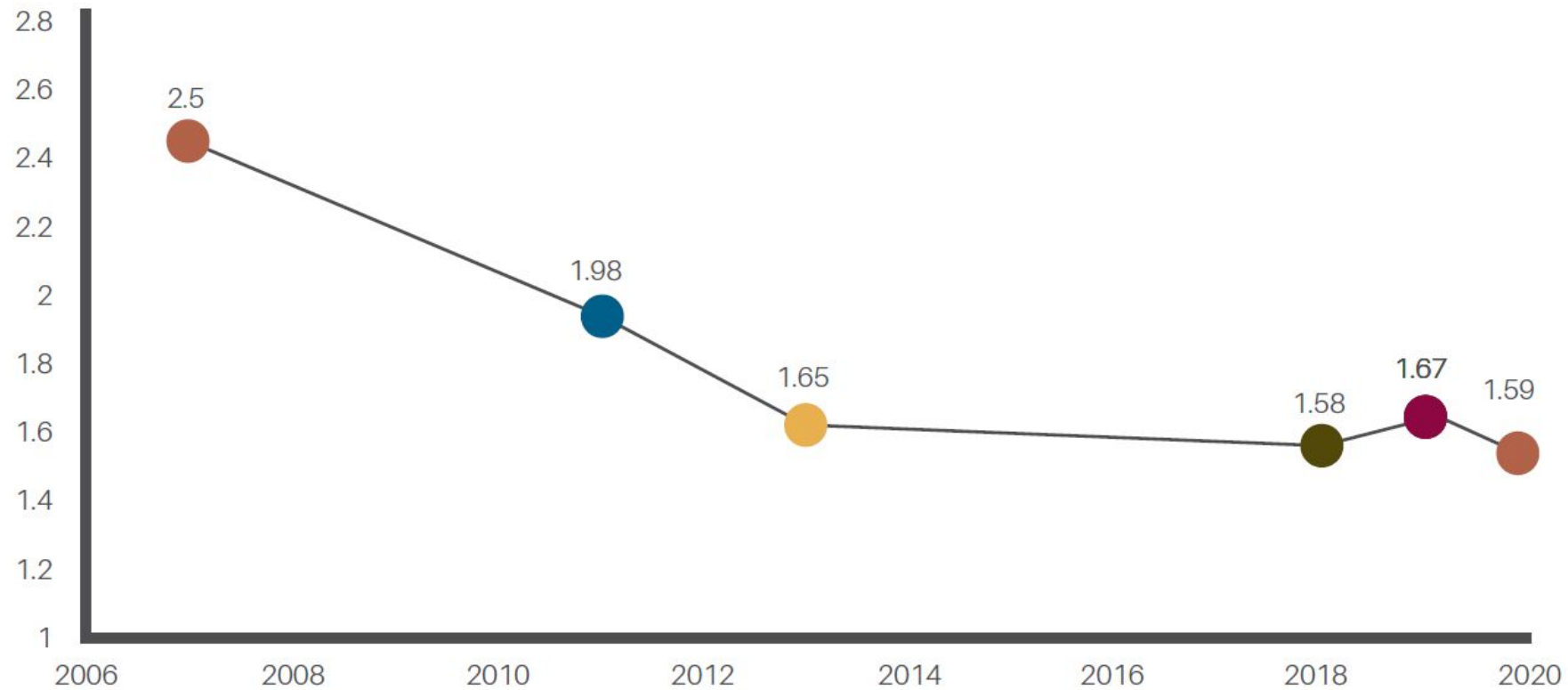


African Climate & Datacenter PUE

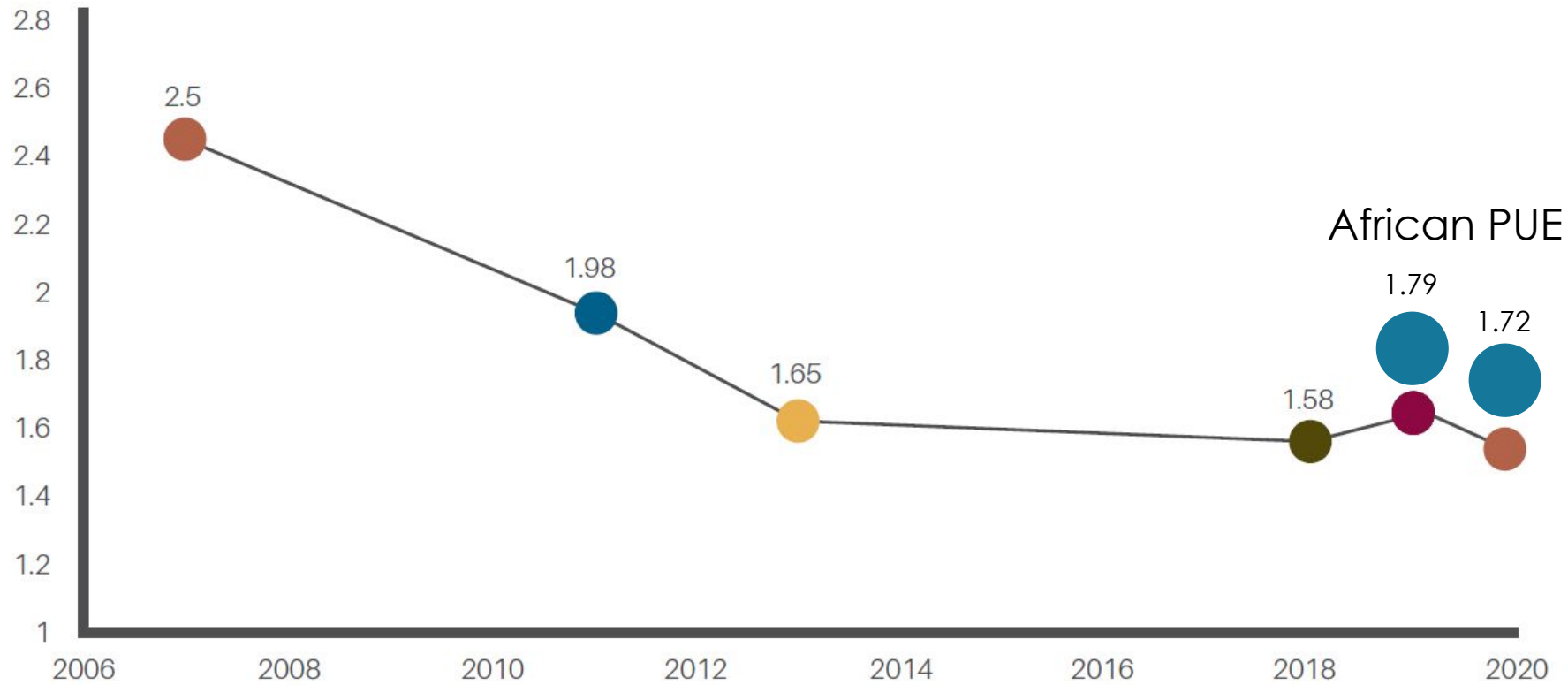




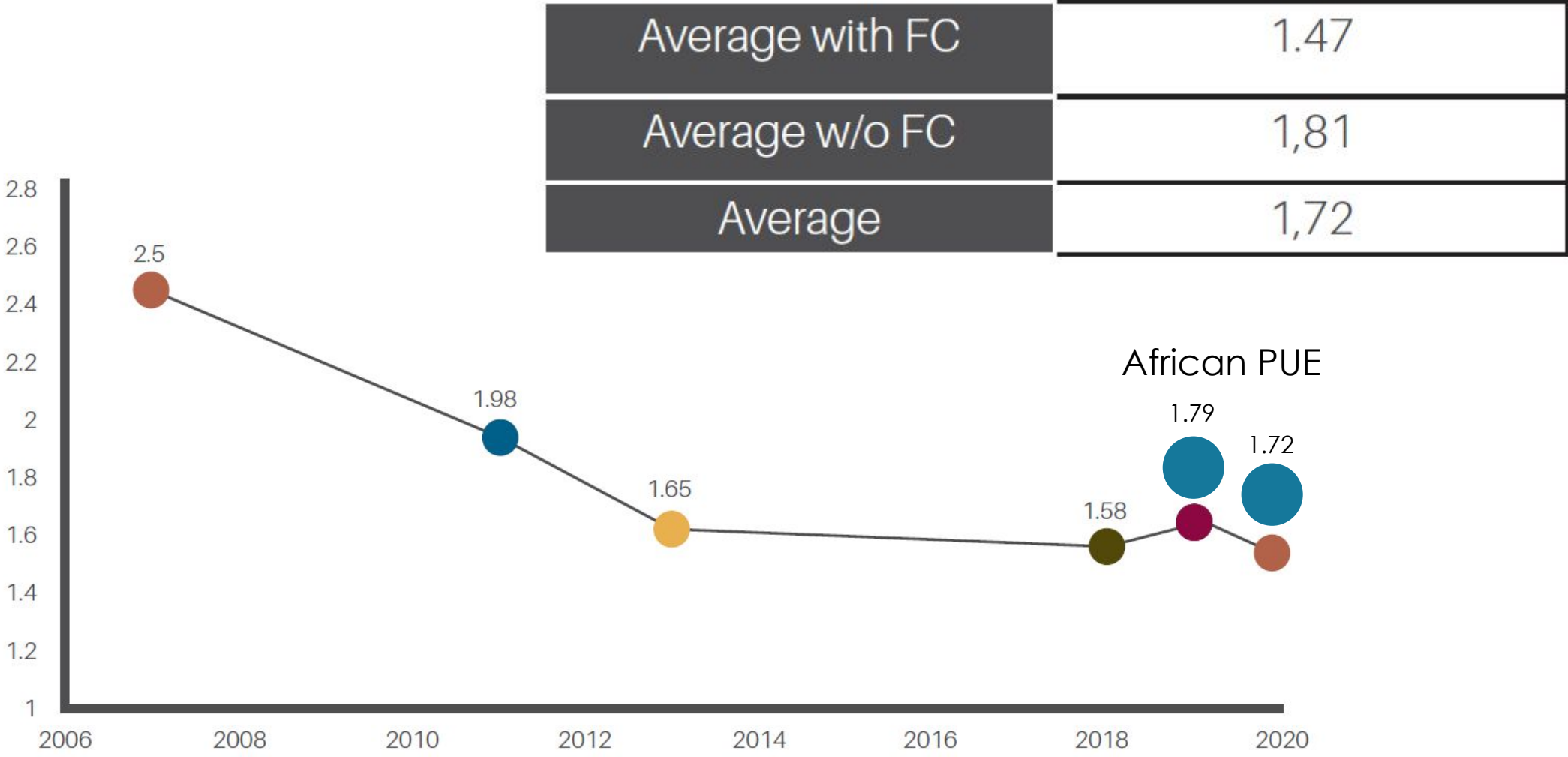
# Worldwide



Source : <https://journal.uptimeinstitute.com/>



Source : <https://journal.uptimeinstitute.com/>



Source : <https://journal.uptimeinstitute.com/>

## Renewable energy supply

### Hydrogen

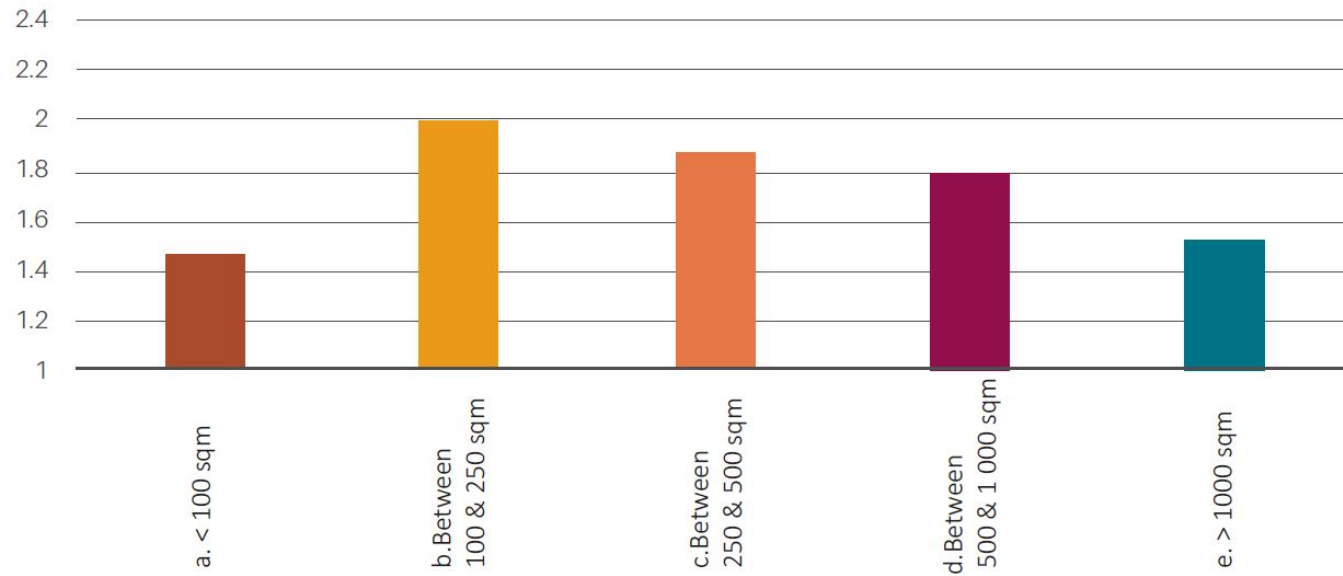


Microsoft Data Centre Salt Lake City (USA)

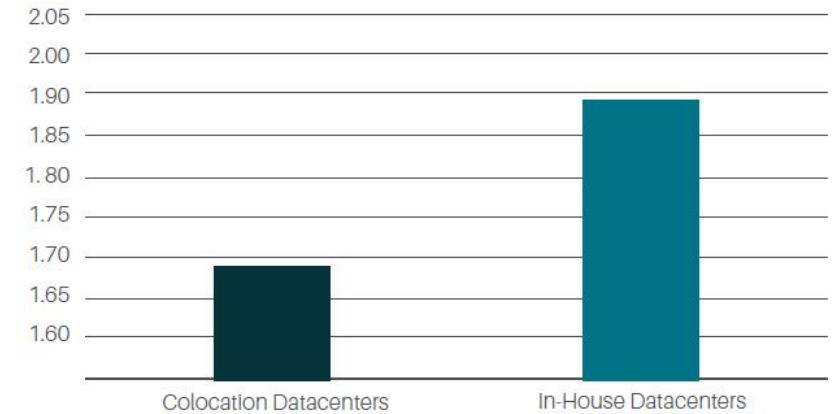


21st Century Datacenter in Lagos (Nigeria)

## PUE in relationship to Size of Data Centre

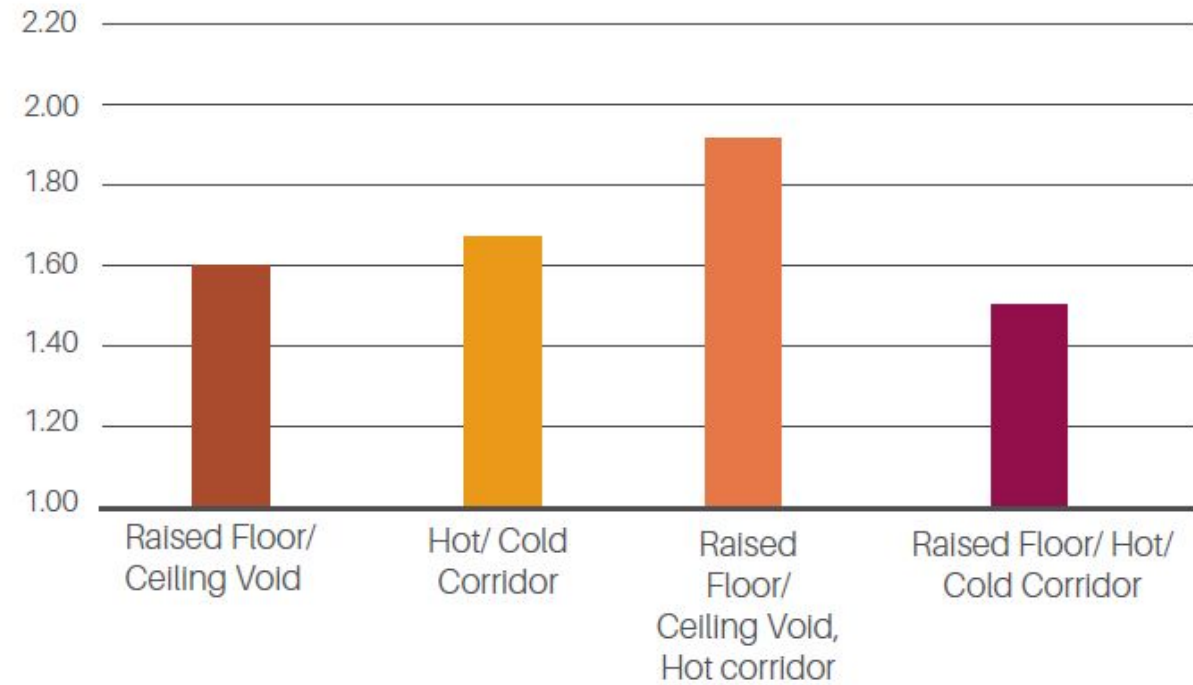


## PUE and business model



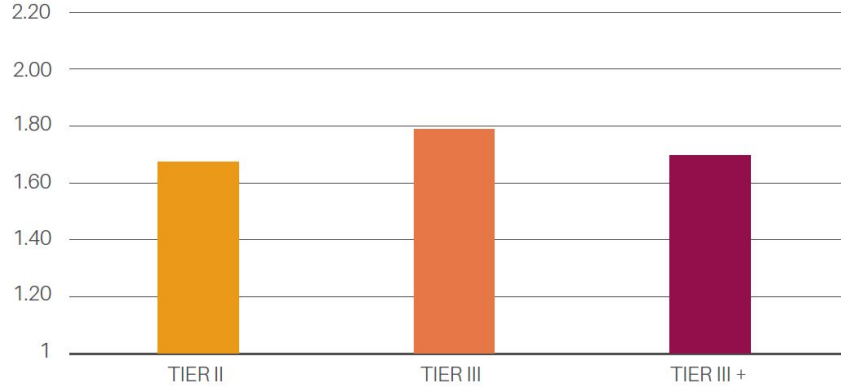
**Containment solution massively deployed. 65% of African Datacenters at least using either Cold or Hot Corridors.**

### Containment architectures

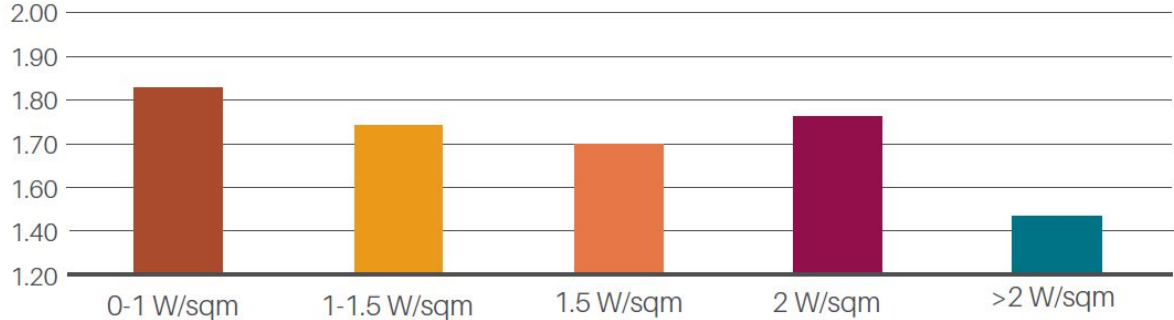




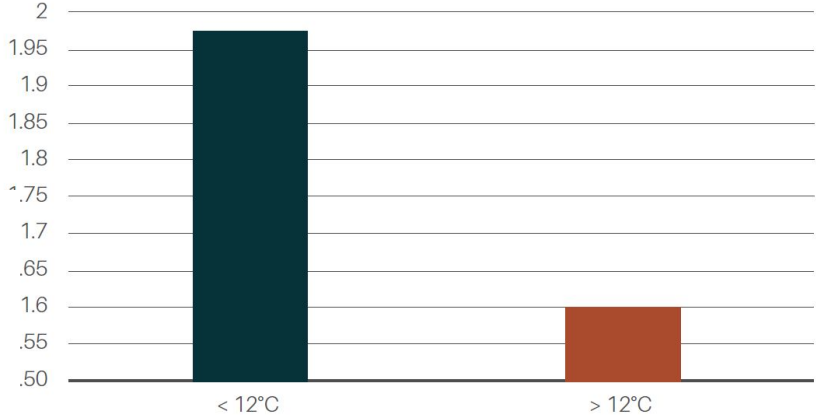
PUE in relationship to the Tier System



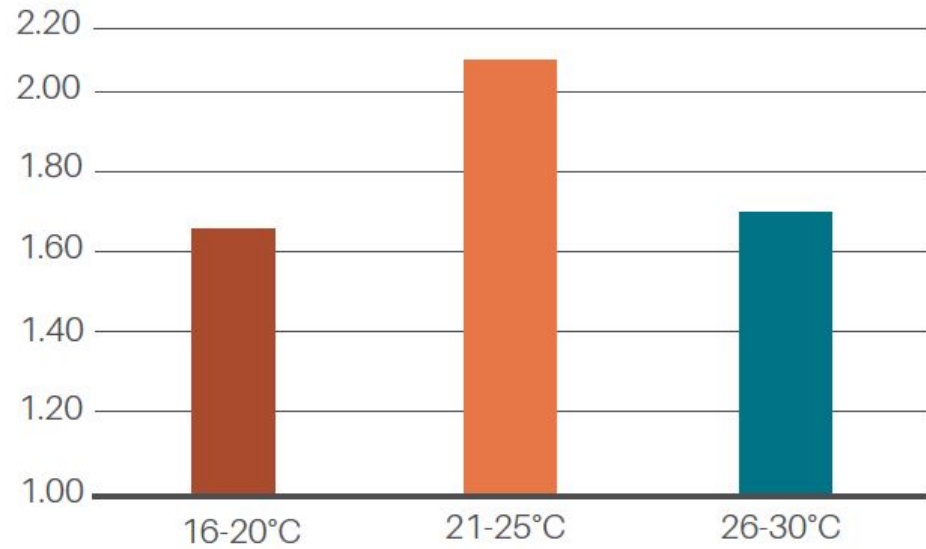
PUE vs electrical density



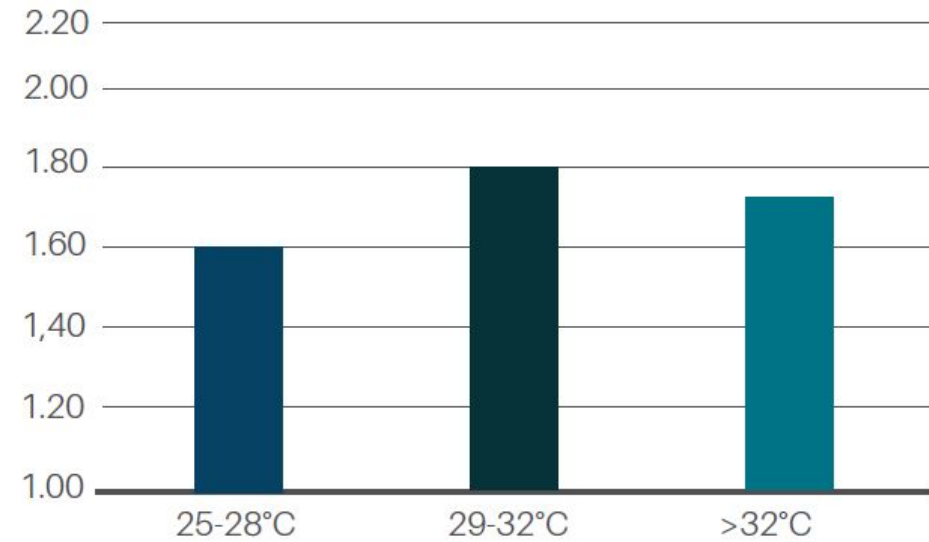
PUE vs Chilled Water Cooling System



### PUE vs External Temp Average



### PUE vs External Monthly Temp Peak



Thanks for your attention !

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