

# **The Data Centre Dilemma – Data Centre Power & Sustainability: A survey of the implications of the increase of Data Centre Power in 20 key Metro city markets**

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## **Abstracts**

The new report from Datacentrepricing analyses 20 key Metro city Markets in Europe and Asia.

It examines the impact of Data Centres on power infrastructure in the key metros and developments in sustainability including the use of renewable power and the impact of technology & the requirements needed to meet net zero.

Within the Data Centre facility power density has increased over time. DCP calculates that the average power density IT load in Europe has increased from 1.3 kW per m<sup>2</sup> of utilised space (in mid 2016) up to 1.6 kW per m<sup>2</sup> over the 5 year period to mid 2021. The growth in average power density has been accelerated by the growth in Hyperscale computing requirements and the increase in cloud services. However, pure Hyperscale facilities have a higher level of power density with 2 kW and above per m<sup>2</sup>. The level of power density average is set to increase as Data Centre facilities become more efficient and older stock is upgraded or replaced.

Plus The report provides a 4-year Data Centre Power forecast for key metro city markets in Europe and Asia.

Geographical coverage

Amsterdam (Netherlands)

Beijing (China)

Berlin (Germany)

Dublin (Ireland)

Frankfurt (Germany)

Jakarta (Indonesia)

Johannesburg (South Africa)

Kuala Lumpur (Asia-Pacific)

London and Slough (UK)

Madrid (Spain)

Marseille (France)

Milan (Italy)

Osaka (Japan)

Paris (France)

Shanghai (China)

Singapore

Stockholm (Sweden)

Sydney (Australia)

Tokyo (Japan)

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### **SOME OF THE COMPANIES MENTIONED IN THE REPORT INCLUDE:**

Aligned Energy

AirTrunk Data Centres

Apple

Amazon

atNorth Data Centre

Baidu

BDx Data Centre

Caransa Group

ChinData Group

Colt  
Conapto Data Centre  
Cyrus  
Data4 Group  
Digital Reality  
DigitalBridge  
Echelon  
EcoDataCenter  
EdgeConneX  
Equinix  
Facebook  
GDS Data Centres  
Global DC (NTT)  
Google  
GTR DC  
IDC Data Center  
Iron MountainK2 DC  
Jaguar Communications  
Keppel Data Centers  
Mapletree Trust  
MCDigital Realty  
Merlin Properties  
Microsoft  
Mitsui Fund  
Next DC  
PDG (Princeton Digital Group)  
QTS Data Centers  
Sify Technology Space DC  
SuneVision  
21viaNet Data Centers  
Stack Infrastructure  
ST Telemedia IDC  
Telehouse Europe  
Thesee Data Center  
Yotta Infrastructure  
Vantage DC  
Virtus Data Centres  
xScale  
Yondr Group



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