

# 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 Datacenrepricing 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 m2 of utilised space (in mid 2016) up to 1.6 kW per m2 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 m2. 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)

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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

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