Data Center Sustainability Fundamentals

Environmental
GHG emissions
Water use
Waste and recycling

Social
Diversity & inclusion
Human rights, health & safety
Conflict resources/materials

Governance
Business ethics
Compliance
Board diversity

Green House Gas (GHG) Emissions

Scope 1
Direct Emissions
Fuel combustion on-site and fleet vehicles, refrigerant leaks

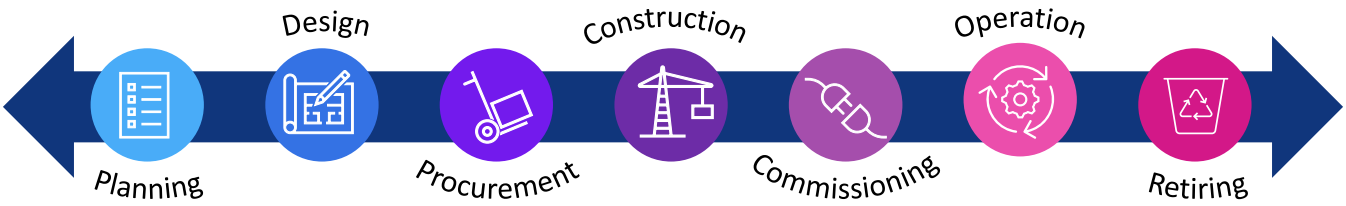
Scope 2
Indirect Emissions from purchased electricity, heat or steam emissions

Scope 3
Supply Chain Emissions, including:
Goods and services purchased
Investments
Commuting and business travel
Waste disposal
Leased assets

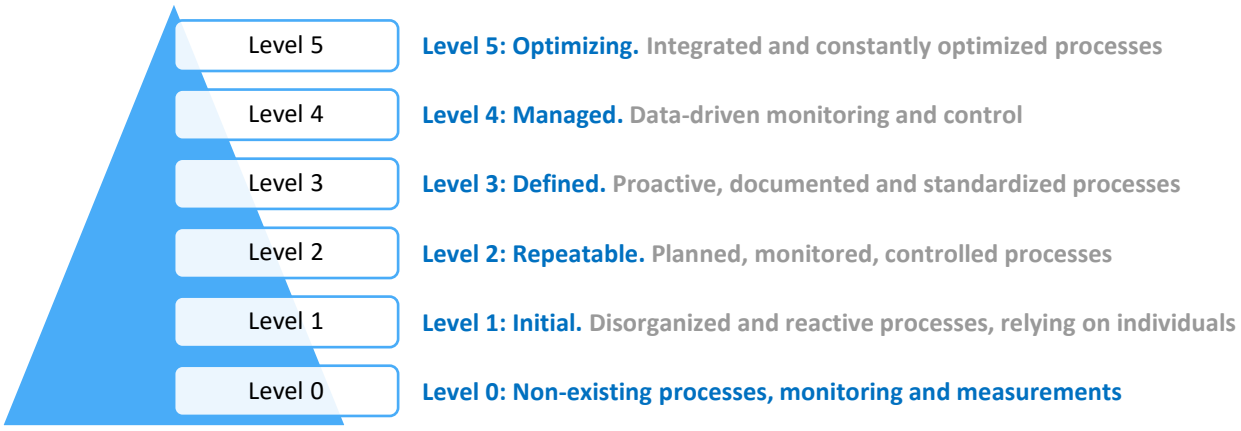
Scope More
Avoided emissions
Emissions avoided due to investment in R&D to improve efficiency

Water use
Water used for cooling
Water recycling (1) reuse within the data center (2) returning water to the ecosystem from which it was sourced

Waste
Waste from construction
E-waste generated from non-recyclable components
Recycling, refurbishment and circular economy



Implementing sustainable practices requires time and continual effort. A data center operator's journey can be summarized with the following maturity levels.



For additional insights, click here

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