

**TOP
5
CONSIDERATIONS**
for CIOs

Implementing sustainable IT practices as part of a digital transformation

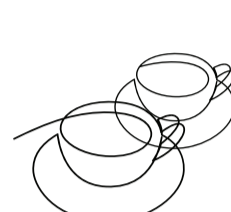
Energy-Efficient Data Centres

Green power, every hour

Data centres that never sour

Transitioning to energy-efficient data centres reduces the carbon footprint. Find suitable suppliers or upgrade existing data centres with energy-efficient cooling systems and renewable energy sources.

Bottom line: Get markedly lower operational costs and reduce environmental impact. For example: Google has implemented advanced cooling techniques and machine learning to optimise energy use in data centres, achieving a Power Usage Effectiveness ratio of 1.12—significantly below the industry average.



Virtualisation and Cloud Computing

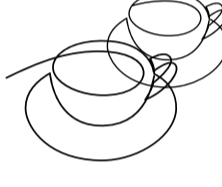
Cloud's the ace

For a greener IT space

Utilising virtualisation and cloud services to optimise resource usage and reduce waste.

Bottom line: Migrate on-premises servers to cloud-based solutions that use dynamic resource allocation enhances scalability and efficiency, cutting down energy usage.

Netflix, for example, moved its streaming service to Amazon Web Services to optimise resource usage (scaling up or down based on demand) and have reduced overall energy consumption.



Green Software Development

Code it lean

For a future that's green

Developing software with a focus on energy efficiency and low resource consumption.

Bottom line: Implement coding practices and algorithms that optimise power usage and performance, leading to the creation of more efficient applications, lowering energy consumption.

For example, Mozilla Firefox focus on creating a browser that uses fewer system resources, improving performance while reducing the energy consumption of users' devices.



After 30+ years of experience...

“Adopting green IT practices is not just a trend, but a responsibility. As Mahatma Gandhi said, “The Earth provides enough to satisfy every man’s needs, but not every man’s greed.”



E-waste Management

Manage e-waste, keep the footprint in haste

Recycle right, keep IT green and bright

Proper disposal and recycling of obsolete IT equipment to minimise environmental impact.

Bottom line: Establish e-waste recycling programs and partnerships with certified e-waste disposal vendors to reduce landfill waste and recover valuable materials.

For example: Apple’s Recycling Program includes the Daisy robot that disassembles iPhones to recover valuable materials — showcasing effective e-waste and sustainability management.



Remote Work Policies

Work from home

Let sustainability roam

Encouraging remote work to reduce commuting and associated carbon emissions.

Bottom line: Implement robust remote work infrastructure and policies, promoting flexible work arrangements to decrease the need for office space and reduces transportation-related emissions.

For example: Microsoft has implemented a flexible work policy, allowing employees to work from home—reducing the company’s carbon footprint while increasing staff satisfaction and productivity.



Like to delve into, dissect or draw on my experience over a coffee — let’s set up a time...

