Category

Digital Transformation

Sustainability & Green IT Digital Transformation Playbook

Making digital infrastructure decisions that reduce environmental impact and cost together

- Practitioner
- Intermediate
- Template Included

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- 26 April 2023
- 3 minute(s)

Overview

A framework for green IT and sustainable digital transformation — energy-efficient infrastructure, sustainable architecture choices, and measurable environmental impact tracking — that treats sustainability as a genuine design input for digital transformation decisions, not an afterthought reported separately from technology strategy.

Does prioritizing sustainability in IT decisions usually mean

higher cost? Not necessarily — many green IT practices (efficient resource utilization, rightsizing, renewable-powered cloud regions) reduce both environmental impact and cost simultaneously, since energy efficiency and cost efficiency are often aligned rather than opposed.

How do we measure IT's environmental impact meaningfully?

Through specific metrics — energy consumption, carbon intensity of infrastructure choices, e-waste from hardware lifecycle — tracked consistently enough to inform decisions, covered in the framework below, rather than a one-time report disconnected from ongoing technology decisions.

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