Category

Digital Transformation

Energy & Utilities Grid Modernization & Digital Transformation Playbook

Modernizing infrastructure that can't afford downtime while it's actively powering the region it serves

- Executive
- Advanced
- Template Included

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- 3 minute(s)

Overview

A framework for energy and utilities grid modernization and digital transformation that manages the unique constraint of upgrading critical infrastructure that must remain continuously operational — phased modernization, redundancy planning, and rigorous testing — rather than treating grid technology upgrades like typical enterprise IT transformation.

How is grid modernization genuinely different from typical

enterprise digital transformation? The grid must remain continuously operational — there's no equivalent of a maintenance window where the entire system can go offline the way an internal enterprise system might tolerate scheduled downtime. This fundamentally changes how modernization needs to be sequenced and tested.

What role does smart grid data play beyond operational reliability?

Smart grid data enables demand response, renewable integration, and more granular outage detection and response — genuine capability improvements beyond just digitizing existing grid operations unchanged.

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