kahua

EXECUTIVE BRIEF · POWER & UTILITIES

Speed-to-Power Starts with Connected Execution

THE INDUSTRY SHIFT

The race to deliver power is exposing the limits of disconnected systems and data.

AI-driven load growth

Data center expansion, growth in manufacturing, and electrification are reshaping demand. With AI leading the charge, capital spending has grown 2-3X while workforces have remained constant.

Grid modernization & resilience

Transmission expansion, substation upgrades, storm hardening, and wildfire mitigation are increasing the volume and complexity of multi-year capital portfolios.

Renewable & BESS storage

Utility-scale solar, wind, and battery energy storage deployments are accelerating to support carbon offset initiatives and address uneven load demand.

Regulatory and audit scrutiny

Rising expectations for cost recovery, reliability, safety, and environmental performance are increasing the need for a shorter tolerance window.

Knowledge continuity risk

As experienced personnel retire, organizations need governed processes and systems that preserve critical institutional knowledge.

System fragmentation

Project teams rely on disconnected tools and manual workarounds to bridge gaps across internal systems and departments.

THE CORE CHALLENGE

Disconnected execution creates risk that compounds across the asset lifecycle.

The execution gap

When execution data stays siloed across EPC and contractor systems, ERP, scheduling tools, EAM, and spreadsheets, risk surfaces late, forecasting is in accurate, and commercial operation date targets are impacted.

WHERE EXECUTION DATA LIVES TODAY

- ERP systems holding cost and procurement records
- Scheduling tools and project controls platforms
- EAM and CMMS systems for asset and maintenance data
- EPC and contractor project systems
- Document repositories with inconsistent metadata
- Email chains, shared drives, and manual spreadsheets

WHAT FRAGMENTATION CREATES DOWNSTREAM

- Forecasting confidence declines; reporting becomes reactive
- Governance weakens across departments and delivery partners
- Limited owner visibility across EPC and contractor work streams
- Commissioning and turnover become less predictable
- Regulatory, audit, and compliance exposure increases
- Operational readiness and asset value suffer

THE CUMULATIVE COST

Disconnected execution doesn't create a single failure point. It creates compounding operational, financial, and regulatory risk across the asset lifecycle. As capital programs grow in complexity and volume, fragmented systems across owners, EPCs, and contractors weaken visibility, slow decisions, and make operational readiness harder to achieve at scale.

Late
Risk visibility: Cost, schedule, field execution, and turnover issues often surface too late for teams to respond effectively.

Manual
Reporting and data aggregation: Teams burn cycles reconciling EPC reports, ERP extracts, and spreadsheets instead of managing execution.

Reduced
Owner visibility & governance: Fragmented environments limit traceability across cost, schedule, change, documents, and asset data.

Disconnected
Commissioning and turnover readiness: Asset data and operational requirements are often incomplete or rebuilt late in the lifecycle.

WHERE CONNECTED EXECUTION CLOSES THE GAP

Governance & Portfolio Visibility

Owners gain visibility across internal, EPC, and contractor work streams without relying on static reports or manual updates. waiting on one-off extracts. Portfolio-level risk becomes easier to identify and act on.

Forecasting & Schedule Confidence

Connected execution data reduces the gap between what is reported and what is happening. Cost and schedule confidence improve when source data is no longer fragmented.

Commissioning & Turnover Readiness

Asset-centric execution means commissioning and turnover packages are built progressively throughout delivery, not assembled at the end under deadline pressure.

CONNECTED EXECUTION WITH KAHUA

One secure, asset-centric platform built for power and utility capital programs

Kahua connects execution, governance, forecasting, collaboration, commissioning, and operational readiness from planning through long-term asset operations.

CAPABILITIES

Asset-Centric Project Management®

Capture structured project and asset data progressively from design through commissioning and turnover.

Secure Multi-Party Collaboration

Owners, operators, EPCs, contractors, and regulators in one secure environment without losing data control.

Noa, powered by Kahua AI

Built-in AI that surfaces project information faster and adapts workflows in plain language, securely inside the system of record.

Analytics-as-a-Service

Portfolio-level visibility, forward-looking forecasting, and defensible executive and regulatory reporting.

Connected Project & Operational Data

A trusted data fabric from execution through commissioning, turnover, and long-term operations.

Flexible Governance & Integration

Standardize governance across business units and operating models while supporting team level flexibility. Integrate with ERP, EAM, GIS, CMMS, and scheduling.

OUTCOMES THAT MATTER

Connected execution delivers earlier visibility, stronger governance, and operational readiness built into delivery.

- Portfolio visibility across projects, programs, and capital portfolios
- Improved forecasting confidence and executive reporting
- Reduced reliance on disconnected tools and manual reporting
- Earlier risk identification across the delivery lifecycle
- Improved audit readiness and regulatory defensibility
- Stronger alignment between project delivery and long-term operations

NEXT STEP

Ready to see what connected execution looks like in practice?

Take the Personalized Tour

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