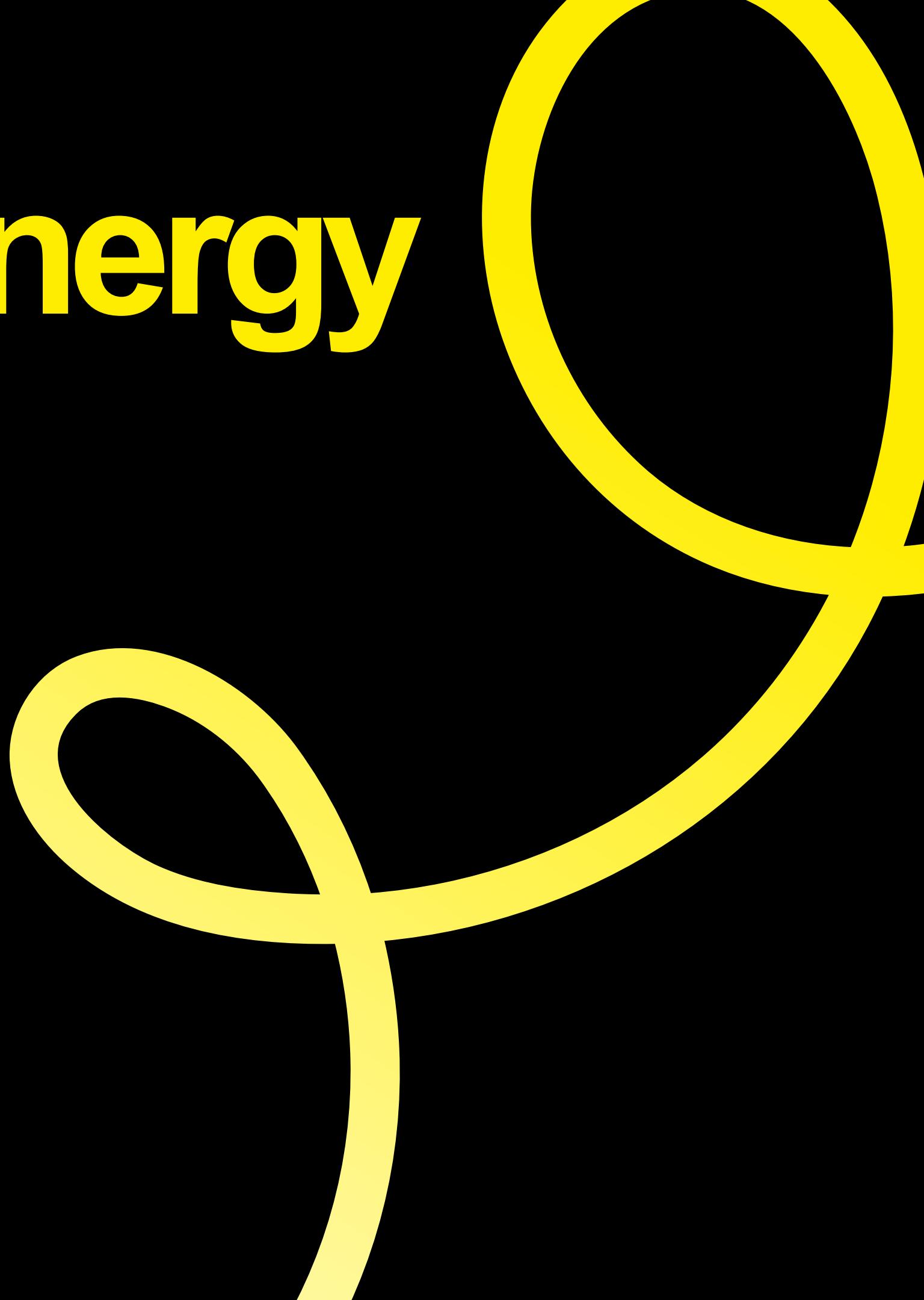# NETIAD

Presents:

NETIAD
ENERGY

About Netiad Energy

Most energy operations today are data-rich but insight-poor. While generation assets, substations, and consumption points produce vast amounts of data, the high cost and rigidity of legacy energy management systems often leave this data underutilized.

Netiad Energy closes this gap. We do not sell dashboards or isolated software modules, we deliver measurable energy outcomes.

From real-time load visibility and loss detection to predictive asset monitoring and cost optimization, our proprietary Light Energy Intelligence platform is purpose-built for utilities, industrial energy users, estates, and infrastructure operators that require control without enterprise-level complexity or pricing.

Why Us?

1 Action Over Archiving: We don't just store energy data, we turn it into operational insight, reducing energy losses, optimizing consumption, and extending infrastructure lifespan.

2 Predictive, Not Reactive: Move from "fixing what's broken" to "fixing what's about to break" using our AI-driven Remaining Useful Life (RUL) estimators.

3 True "Zero-Tool" Deployment: Our hardware ecosystem is designed for rapid deployment without expensive cabling or downtime.

4 Built for Distributed Energy: Seamlessly manage solar, batteries, generators, and grid interaction from a single operational layer.

The Netiad Energy App Ecosystem:
Our proprietary application delivers a "Cockpit" view of your entire value chain, accessible via Mobile and Web.

Operational Health (APM)

"Traffic Light" Status System: A visual, single-pane dashboard (Green/Yellow/Red) for every asset, allowing managers to assess mine health at a glance.

AI-Driven RUL Estimator: A countdown clock for critical components (bearings, motors), displaying the estimated hours until servicing is required.

Automated Root Cause Diagnostics: When a limit is breached, the system doesn't just alert you; it diagnoses the issue.

Maximize every Kilowatt used

Digital Energy Logbooks : Replace paper logs with automated or manual entries for daily energy generation, consumption, storage levels, and system events across sites.

Real-Time Asset Performance Metrics: Continuous monitoring of availability, load efficiency, and output quality across generators, inverters, batteries, and substations to benchmark operational performance per shift or cycle.

Operational Energy Cost Tracker: Live tracking of fuel, grid draw, maintenance, and labor costs against real-time energy output or tariff structures, providing instant visibility into operational efficiency and cost per kWh.

Unbreakable Connectivity

Edge-Sync Protocol: Our app uses a local database architecture that ensures 100% functionality without internet.

Operations never stop; data simply auto-reconciles with the cloud once a signal is detected.

Secure Access: Biometric and ID logins with multi-tier permissions (Owner, Foreman, Worker) ensure data integrity and prevent tampering.

The Hardware Layer (IoT): We provide the physical "senses" for your digital brain.

Multi-Sensor Units: Monitor key parameters such as voltage, current, temperature, and vibration, providing a full picture of system health.

Edge Controllers: Process and transmit data locally to minimize latency and maximize responsiveness.

Industrial-Grade Communication: Secure, long-range connectivity ensures data flows reliably between sites and the central platform.

Low-Maintenance Design: Hardware components are built for years of continuous operation in harsh environments, reducing downtime and service costs.

Implementation
Roadmap

We deploy in weeks, not months.

Site Audit: Identify critical energy assets, inefficiencies, and "blind spots" in monitoring and data collection.

Seamless Integration: Connect sensors and monitoring systems without shutting down operations or affecting power delivery.

App Configuration: Set your operational thresholds, efficiency targets, and predictive maintenance alerts.

Go Live: Immediate data flow to your Netiad Energy Dashboard for real-time visibility and actionable insights.

Ready to maximize energy efficiency and reliability across your infrastructure?

Contact

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