

Energy and Utilities

Powering resilient, connected, and future-ready utility operations.





Industry Overview

The Energy and Utilities sector is modernizing aging infrastructure while meeting rising demand, decarbonization targets, and grid reliability expectations.

Digital transformation across generation, transmission, and distribution is no longer optional. It is now central to operational continuity and long-term competitiveness.

- **\$291B → \$843B**

Global digital utility market, 2024 to 2033

- **12.69% CAGR**

Digital utility market growth, 2025 to 2033

- **₹3,03,758 Cr**

India RDSS smart grid programme investment [REVIEW — MNRE/RDSS, pitch deck]

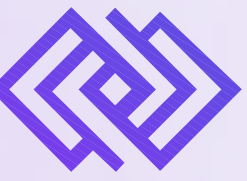


Key Challenges

Today's operating reality is defined by six converging pressures.

Legacy systems, fragmented data, and manual processes are limiting the speed, reliability, and safety of energy and utility operations across generation, transmission, and distribution.

- **Capital locked, visibility lost** — massive capital sits in physical assets with no real-time read on performance or failure risk.
- **Manual operations, rising costs** — reactive maintenance and siloed field teams keep OpEx climbing.
- **A patchwork of systems** — SCADA, NMS, and vendor platforms operate in isolation, leaving no single source of operational truth.
- **Slow payback on big bets** — legacy OEM deployments take years to show ROI.
- **Outages and exposure on the rise** — unplanned downtime, T&D losses, and growing cyber and compliance risk.
- **No predictive view, only lagging indicators** — teams operate without a live, simulate-able model of their assets.



The Cost of Standing Still

Every year of delay compounds cost, risk, and lost efficiency across operations.

40–60%

Cost premium added by reactive maintenance

77%

Energy firms reporting a successful cyberattack in 2025

25–35%

OpEx inflation from manual remote-site field operations

40%

Of AI value missed due to legacy infrastructure



How WinVibe Solves Them

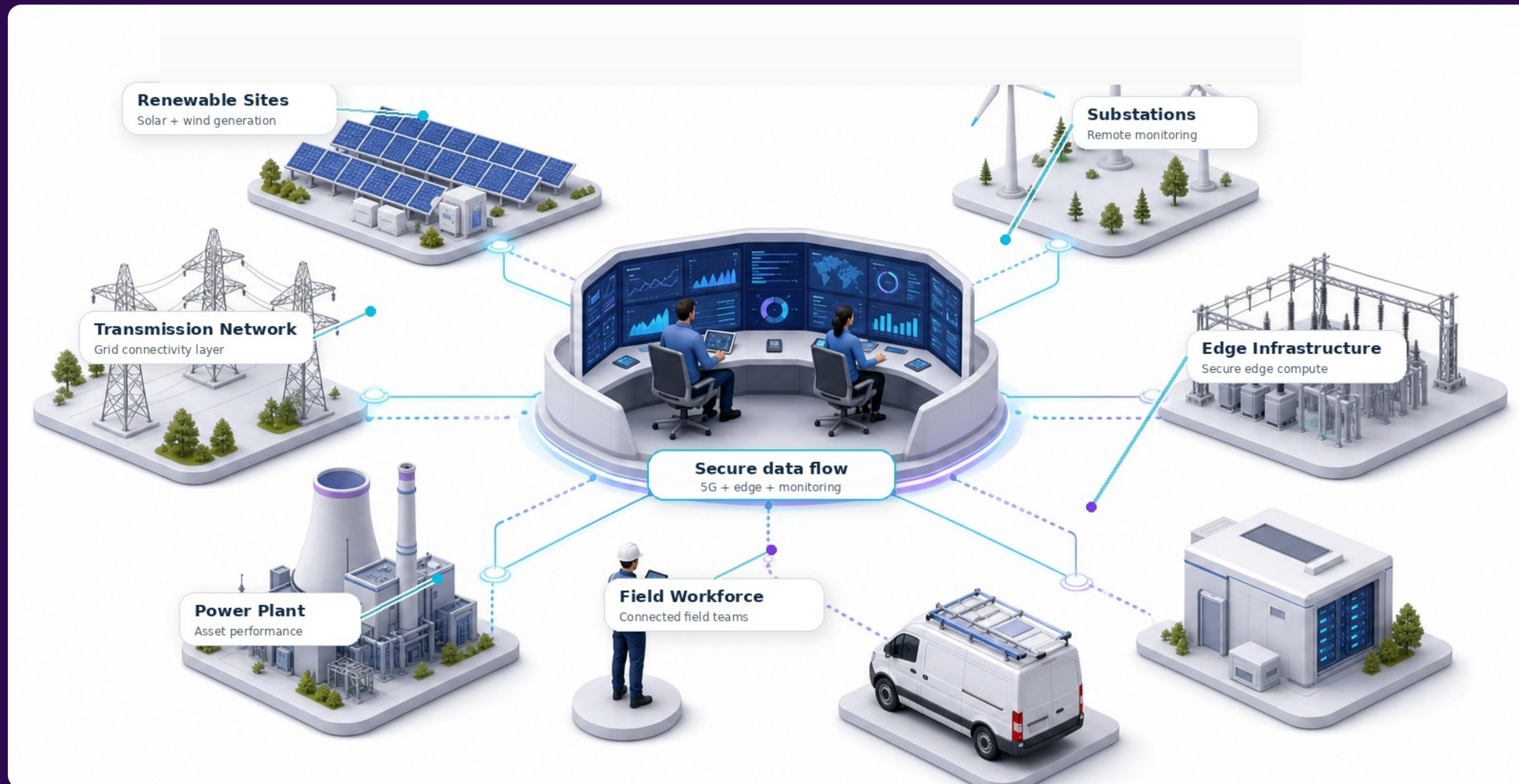
WinVibe operates as the orchestration layer across your entire operating environment, connecting infrastructure, data, and decision-making into one intelligent ecosystem.

- **Decision-Making** - live asset intelligence that turns data into faster action.
- **Operations** - unified visibility across generation, transmission, and distribution.
- **Infrastructure** - secure connectivity extended to grids, plants, and remote sites.
- **Data** - Fragmented systems consolidated into one trusted operational source.
- **Security** - zero-trust protection embedded across OT and IT from day one.
- **Automation** - predictive maintenance and AI-driven field operations at scale.



Connected Grid & Field Operations

Real-time connectivity across generation, grid, remote sites, and field teams.



Private 5G and edge infrastructure

Secure, high-performance connectivity across plants, substations, and remote sites.

Intelligent tower and remote-site monitoring

Continuous health monitoring of wind, solar, and transmission assets.

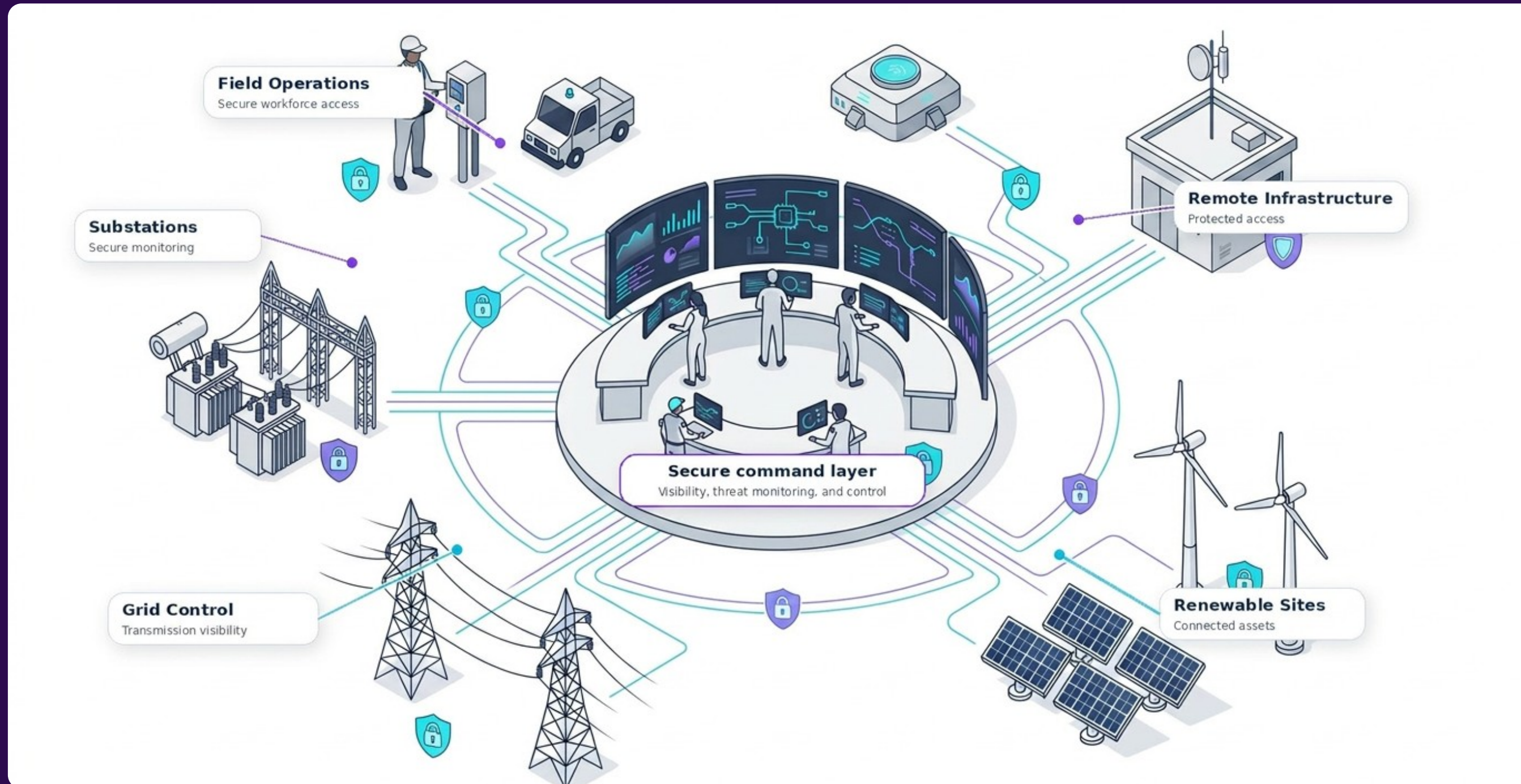
Connected field workforce and IoT

Real-time coordination for field teams and connected devices.



Command, Visibility & Security

Unified monitoring and secure control across grid, operations, and critical assets.



Centralized NOC and Command Centre

Generation, transmission, and field operations in one real-time view.

SOC and zero-trust OT/IT defense

Continuous threat monitoring, protection embedded across every layer.

Real-time operational visibility

One trusted source of truth across grid and sites.



Predictive Asset Intelligence

Turning operational data into forecasts, asset health insights, and smarter maintenance.



Digital twin and simulation

Virtual asset models fed by sensor and drone data.

AI predictive maintenance

Predict failures before outages, from turbines to pumps.

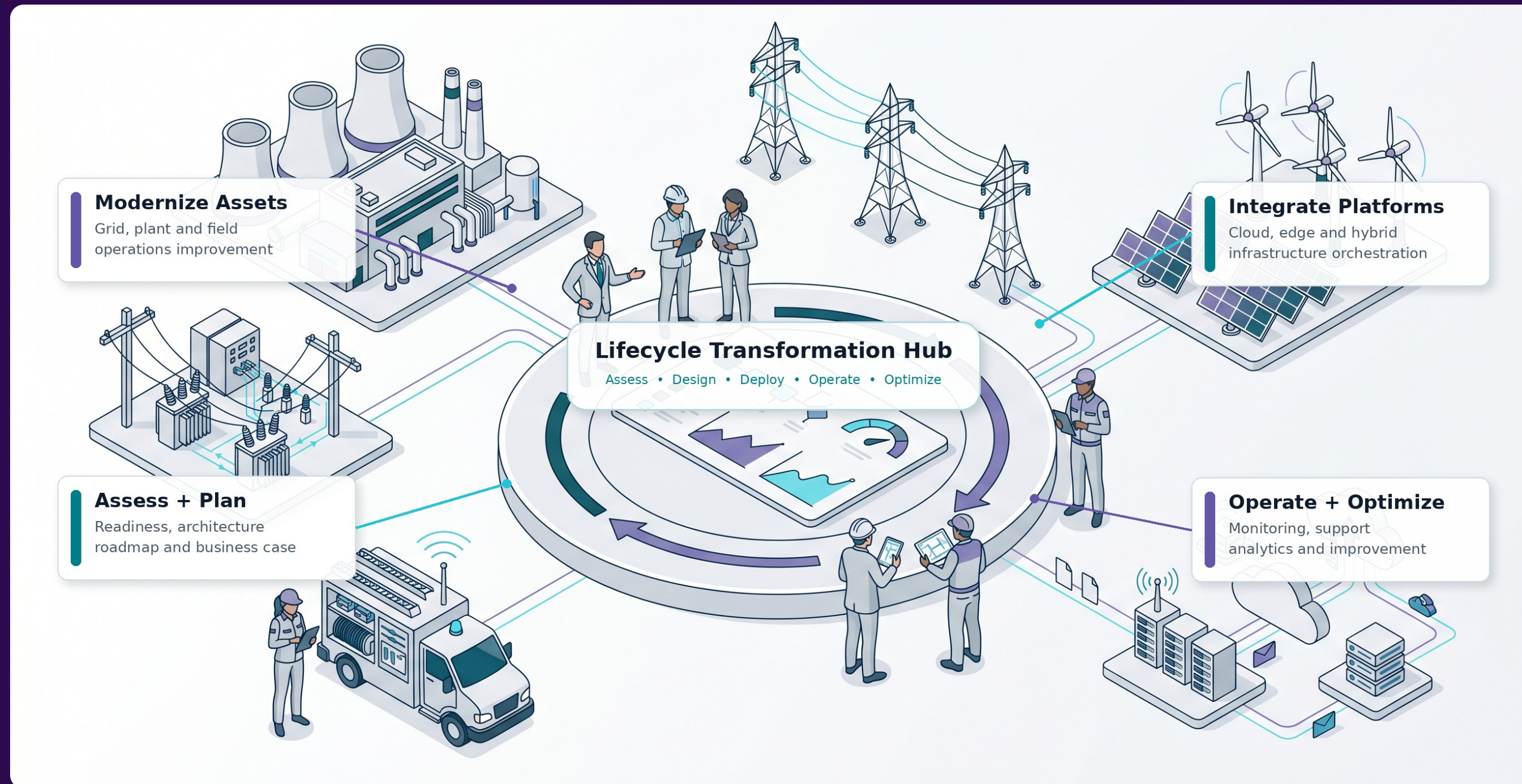
GIS and analytics-driven workflows

Data turned into prioritized, measurable maintenance actions.



Transformation & Lifecycle Support

Guiding strategy, delivery, operations, and continuous optimization.



Advisory and architecture roadmap

Readiness, target architecture, and a clear business case.

Cloud, edge, and hybrid orchestration

Integrated platforms working together across your environment.

Managed operations and optimization

Ongoing support and continuous improvement beyond go-live.



Use Cases & Success Stories

SMART GRID COMMAND CENTRE

Up to 50%

Faster outage response across generation, T&D, and field ops

AI PREDICTIVE ASSET MAINTENANCE

40–60%

Less unplanned downtime on turbines, substations, and pumps

SMART WATER NETWORK MANAGEMENT

20–35%

Lower non-revenue water through leak detection and pressure optimization

REMOTE SITE OPERATIONS

~30%

Fewer field incidents across wells, pipelines, and corridors

RENEWABLE ENERGY PARK INTELLIGENCE

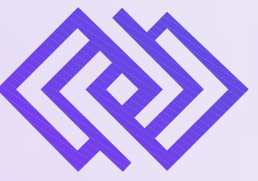
~25%

Higher energy yield across solar and wind assets

UNIFIED OPERATIONS VISIBILITY

Up to 50%

Faster decisions by consolidating siloed systems



Why WinVibe

Outcome accountability

Our commercial model is built on measurable results such as CapEx reduction, OpEx savings, and uptime gains, not delivery milestones.

Speed to value

pilot to scale in months, not years, backed by a proven playbook and prebuilt integrations.

Vendor-neutral by design

we are not tied to any single OEM roadmap, giving you long-term flexibility across your technology stack.

Security and AI, built in

zero-trust architecture and AI-native monitoring from day one, never bolted on after the fact.

Solution Lifecycle Partnership

one accountable partner across strategy, deployment, operations, and continuous optimization.



Let's build the energy operations of tomorrow, today.

Schedule a strategy session with our Energy and Utilities team.



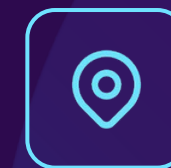
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