

Evolving the worldwide electrical grid: A Platned perspective

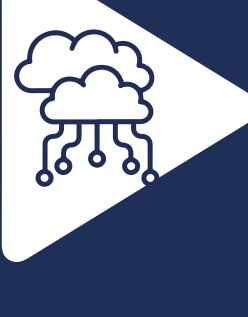

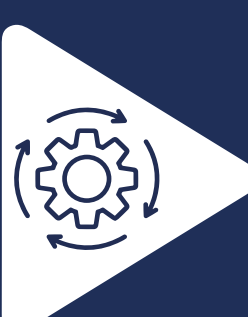
The global electrical grid is at a critical juncture. As energy demands continue to rise, utilities must transition towards more sustainable and efficient solutions. This evolution requires innovative technologies, strategic investments, and a highly skilled workforce. The following key areas outline the path towards a more resilient and future-ready energy infrastructure.

GOAL #01

Rebalancing supply and demand

Rather than viewing energy demand as a fixed constant, the future of utilities depends on a flexible balance where both supply and demand are variables. Instead of reacting to increasing demand, utilities must adopt innovative strategies to influence energy consumption patterns, ensuring a more resilient and efficient grid.

Key strategies:



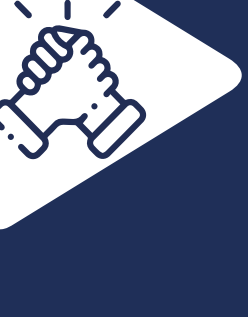
-  Cloud-based, AI-powered solutions for demand forecasting and optimisation.
-  Automated customer communication technologies to encourage off-peak consumption.
-  Flexible energy and demand response programmes to distribute demand effectively.

GOAL #02

Strategic asset investments

The global electrical grid is ageing, requiring continuous investment to maintain reliability. To meet future energy demands, utilities must replace and modernise critical infrastructure while ensuring uninterrupted service.

Key strategies:



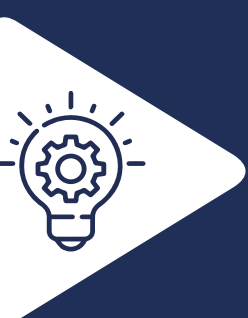
-  Real-time asset performance monitoring and predictive maintenance.
-  Data-driven investment planning for infrastructure upgrades.
-  Industry collaboration to enhance grid resilience and share best practices

GOAL #03

Building a strong and dynamic workforce

Utilities are facing a critical shortage of skilled talent, exacerbated by an ageing workforce. To secure the future of energy infrastructure, the industry must attract and retain a new generation of workers.

Key strategies:

-  Workforce productivity optimisation through advanced scheduling and remote assistance tools.
-  Partnerships with educational institutions to develop skills for the energy transition.
-  Technology-driven training and development programmes to accelerate onboarding and upskilling.

The future of energy

The traditional centralised energy model is evolving towards a decentralised, consumer-driven ecosystem. Renewable energy sources, smart grids, and AI-driven analytics will play a crucial role in reshaping the industry.

Platned's role in the transition:

Platned, in partnership with IFS, provides cutting-edge field service management solutions that enable utilities to optimise asset performance, streamline operations, and enhance workforce efficiency. By leveraging AI, machine learning, and predictive analytics, we help utilities transition towards a smarter, more sustainable electrical grid.

Find out more

Discover how Platned can support your organisation in evolving its energy infrastructure. Contact us today to learn about our tailored solutions for the utilities sector.