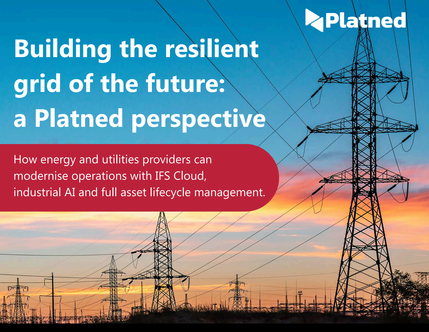
Building the resilient grid of the future: a Platned perspective

How energy and utilities providers can modernise operations with IFS Cloud, industrial AI and full asset lifecycle management.



The challenge

Energy and utilities organisations are managing ageing, widely distributed networks under increasing climate pressure. Providers must meet growing demand while new assets are deployed and legacy systems remain in service. Success depends on assessing critical assets, investing where it matters and planning for resilience and restoration.

Utilities are adapting to new business models that include diversified assets, prosumers and microgrids. At the same time, a changing workforce and expanding asset base require new approaches to knowledge transfer, service delivery and operational excellence.

Three pillars transforming grid operations

Decentralisation and microgrids

- Distributed energy resources such as EVs, rooftop solar and community storage are increasing.
- Utilities must balance variable supply, new technologies and rising customer expectations.

Key point

Decentralisation demands end-to-end visibility, remote coordination and seamless service delivery.

How Platned and IFS help:

- IFS Enterprise Asset Management (EAM) manages distributed asset fleets across locations.
- IFS Mobile Workforce Management (MWM) enables efficient installation and maintenance.
- AI-driven analytics in IFS Cloud support predictive insight and optimal dispatch.

Energy storage expansion

- Storage is essential for grid stability alongside intermittent renewables.
- Utilities must manage both owned and third-party batteries at scale.

Key point

Storage must be integrated into core IT systems to support safety, connectivity and lifecycle management.

How Platned and IFS help:

- IFS Asset Performance Management (APM) monitors battery health and safety in near real time.
- IFS Asset Investment Planning (AIP) supports long-term storage strategy.
- IFS ERP and Finance manage incentives, contracts and shared infrastructure.

Smart load management and demand flexibility

- Smarter load orchestration can reduce costly infrastructure upgrades.
- Flexible customer usage must be balanced with grid stability.

Key point

Load management improves resilience by distributing demand more evenly.

How Platned and IFS help:

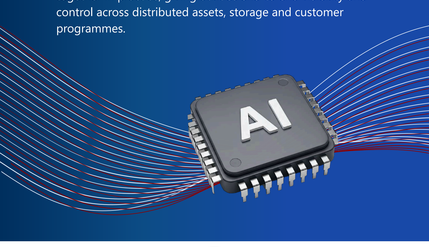
- IFS Planning and Scheduling Optimisation (PSO) coordinates smart technology rollouts and peak responses.
- Real-time dashboards in IFS Cloud visualise load distribution and optimisation opportunities.
- Consolidated operational and asset data supports faster, better decisions.

Operational guidance for utility leaders

- Ensure secure, reliable data transfer between enterprise systems and load panels to enable real-time demand response.
- Strengthen customer relationships through transparent, contract-based flexibility models.
- Integrate storage assets into core systems and plan maintenance and connectivity at scale.
- Work with stakeholders and regulators to develop programmes that improve grid flexibility.
- Build a long-term grid strategy that balances utility-scale and local storage contributions.
- Use digital technology to manage transformation and support a shift to service-led operations.
- Reskill the workforce to manage new technologies and evolving customer expectations.

Powering grid modernisation with industrial AI and lifecycle management

- IFS Cloud supports operations, maintenance and performance across the full asset lifecycle. Industrial AI enables predictive maintenance, storage optimisation and demand flexibility while improving service quality and resilience.
- Platned designs and delivers these capabilities so they work together in practice, giving utilities end-to-end visibility and control across distributed assets, storage and customer programmes.



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