

Demand



Unlock your network's potential with intelligent forecasting.

ΔDemand is a cutting-edge AI driven Intelligent App offering accurate consumption estimates for existing and unobserved assets.

App features



Unlock 100% demand with 10% sensor installations

Utilising data from a strategically installed 10% of assets to accurately predict demand for the remaining 90%, providing comprehensive visibility across your network.



AI-powered future demand forecasting

Leveraging AI technology, historical demand patterns, and customer profiles to accurately predict future network demand, enabling proactive planning and optimised resource allocation.



Proactive anomaly detection

Identifies and highlights anomalies in real-time, equipping your technical team with quick and actionable insights, saving valuable investigation time and streamlining issue resolution.



Intelligent instrumentation strategy

Optimise sensor placement for comprehensive coverage, minimal capex, and swift implementation.



Scenario simulation for optimal network planning

Run scenario simulations of future network activities, providing actionable insights on the impact, enabling proactive measures to minimise negative effects on assets and supply chain.

Benefits

Improve safety -

minimising outages and the need for physical interventions.

Cut carbon emissions -

streamlining operations and the need to travel to site.

Save time and money -

avoiding instrumentation of the entire network.

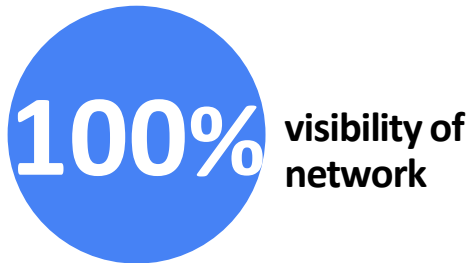
Boost network resilience -

rapidly detecting anomalies and forecasting future demand.



£4M savings in operation costs

UK Power Networks unlocks 100% visibility of network with 10% sensor installation and Δ Demand



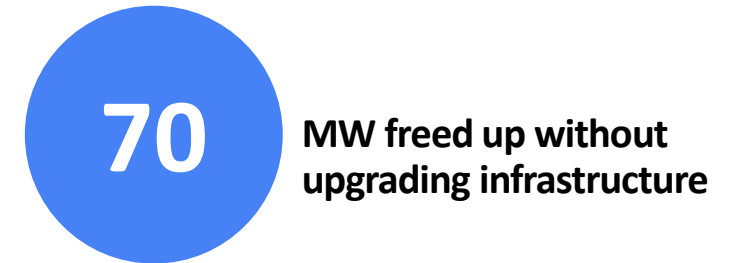
Business opportunity

UKPN is facing huge growth in electricity demand from EV chargers and heat pumps. Connecting sensors to 10% of their unconnected 90,000 low voltage substations for remote monitoring enables effective response to demand.



Solution

Δ Demand is a cutting-edge AI driven Intelligent App offering accurate consumption estimates for existing and unobserved assets. Powered by AI, our engine learns from a small sample of instrumented assets and extrapolates demand across the entire network.



Customer

UK Power Networks is the largest electricity distributor in the UK. It maintains electricity cables and lines in London, the South East and East of England, supplying energy to 19 million people.

