Prevent

Enhance network reliability and resilience while increasing operational efficiency.

△Prevent integrates historical, current, and predictive maintenance data to create an intelligent health score for each asset and a maintenance roadmap.

App features

Holistic network insights

A 360° view of data from all network components, sensors, and tools to construct a centralized data repository for advanced analytics and reporting.

Real-time risk reduction

Stay ahead of potential issues with real-time updates and predictive maintenance, reducing supply chain disruptions.

Safety and incident prevention

Minimise incidents and unplanned downtime with proactive measures, recommendations for preventive maintenance and real-time health assessments.

AI-powered performance prediction

Harnessing historical asset data, combined with the expertise of asset managers and advanced analytics algorithms, to predict potential asset failures or performance decline.

Complaint and repair analysis

Unearth concealed network issues by scrutinising frequent complaints and repair operations. With proactive issue resolution, witness your network's reliability and resilience soar to new heights.

Benefits

Seamless distribution - ensuring uninterrupted distribution with proactive asset lifecycle planning.

Adapt safety first - reducing the risk of accidents and incidents with health monitoring and predictive maintenance.

Budget accurately - using predictive outcome modelling of internal and external factors to understand impact.
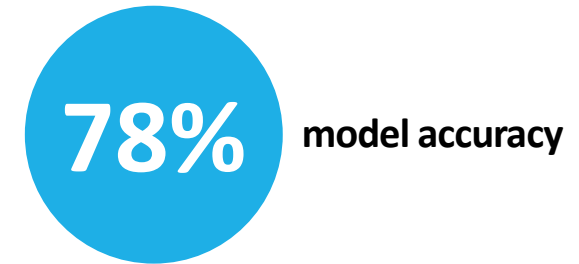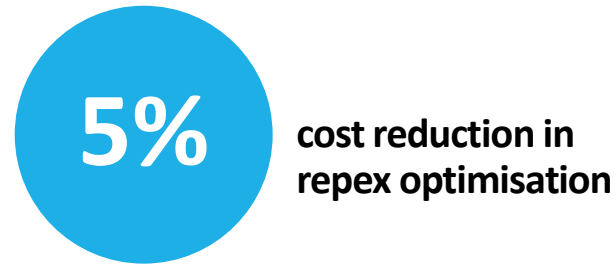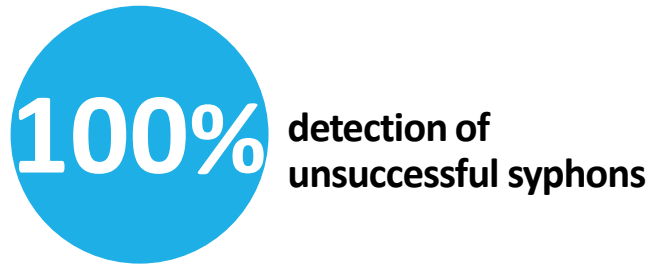
Improve sustainability - increasing network resilience, safeguarding against disruptions and limiting leakage.

5% cost reduction in REPEX optimisation

△ **Prevent**

Northern Gas Networks uses digital twin to prevent gas escapes with △Prevent

100% detection of unsuccessful syphons

5% cost reduction in repex optimisation

78% model accuracy

Business opportunity

Preventingc interruption to supply using early detection and an intelligent preventive maintenance strategy to improve capex and repex planning and avoid regulatory fines.

Solution

△Prevent digital twin streamlines asset monitoring, eliminating risk of supply disruption and prioritising preventive maintenance.
Historical, current and predictive maintenance data are integrated to create asset health scores and a maintenance roadmap.

Customer

Northern Gas Networks delivers gas to 2.7 million homes and businesses in the North East, Northern Cumbria and much of Yorkshire.

Northern Gas Networks

CKDelta   For more information: **W** ckdelta.ai/prevent   **E** prevent@ckdelta.ai