



ARNOWA for Utilities

Optimising Networks, Assets, and
Sustainability Through Data

Transforming Utility Operations with AIoT

Utilities today must balance reliability, efficiency, and sustainability while evolving toward smarter, customer-centric operations. Arnowa's AI and IoT-powered Utility Intelligence Platform transforms electricity, water, and gas networks end-to-end—delivering real-time monitoring, predictive insights, and operational optimisation across the entire value chain.

Core Capabilities



Advanced Metering & Management

- Smart electricity, water, and gas meters with real-time data and AMI capabilities.
- Support for embedded networks, dynamic tariffs, prepayment, and demand-side management.
- Compliance with standards like IEEE 2030.5, smart metering protocols, and interoperability frameworks.
- Tenant utility and billing management.



Grid, Substation & Network Monitoring

- Real-time monitoring of substations, transformers, feeders, and distribution networks.
- Power quality, voltage fluctuations, losses, and fault diagnostics.
- AI based Condition monitoring and predictive maintenance to ensure critical infrastructure reliability.



Smart Water & Wastewater Management

- Continuous flow, pressure, and leak monitoring across networks.
- Automated pump, reservoir, and treatment system control.
- Sewer and stormwater monitoring with overflow alerts and anomaly detection.



AI & Predictive Analytics

- Load forecasting, asset health prediction, and anomaly detection.
- Theft and non-revenue loss analytics, operational optimisation.
- Predictive alerts for downtime prevention and improved service continuity.



Renewable & DER Integration

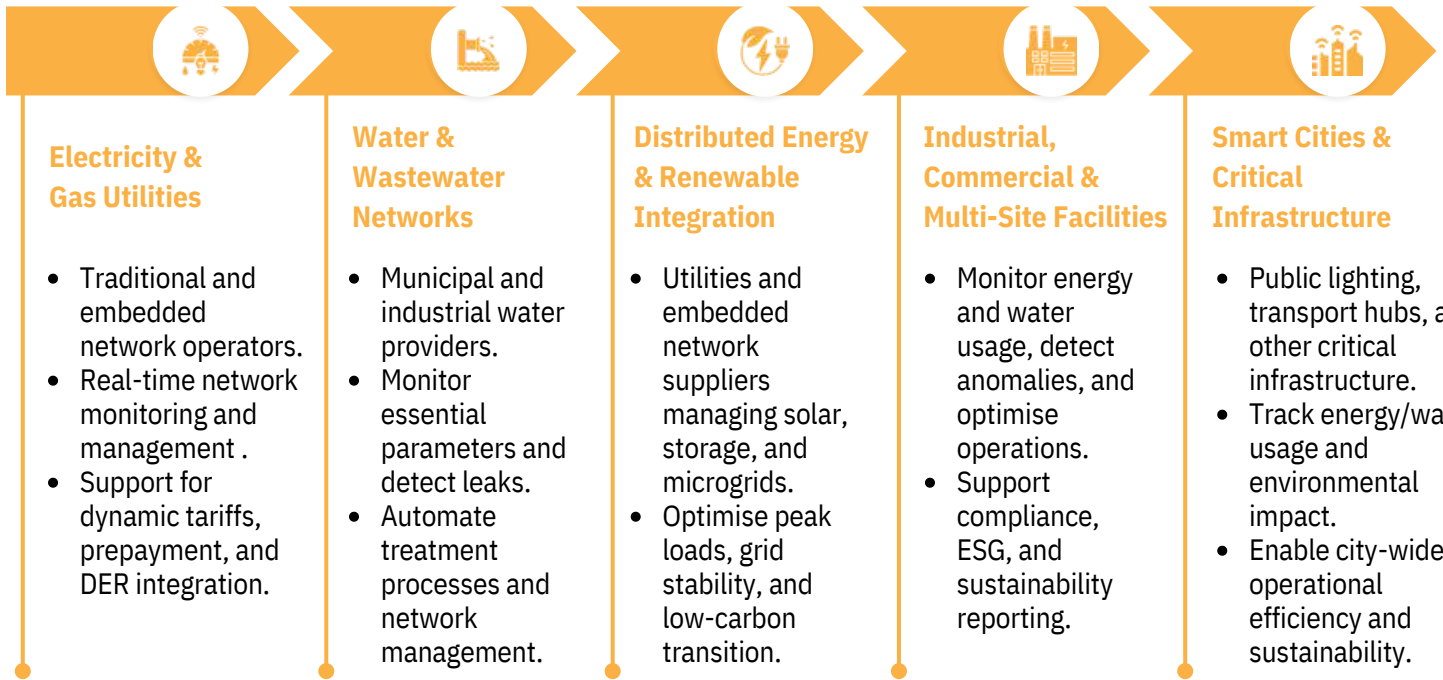
- Management of distributed energy resources (solar, storage, microgrids).
- Optimisation of network stability, peak load management, and low-carbon transition.
- Supports integration with DERMS and grid-scale intelligence platforms.



Regulatory Compliance & ESG Reporting

- Automated tracking of energy, water, and GHG performance metrics.
- Supports utility reporting frameworks, audits, and sustainability standards.
- Real-time dashboards and KPI reporting for transparency and public accountability.

A Few Use Cases



Benefits at a Glance

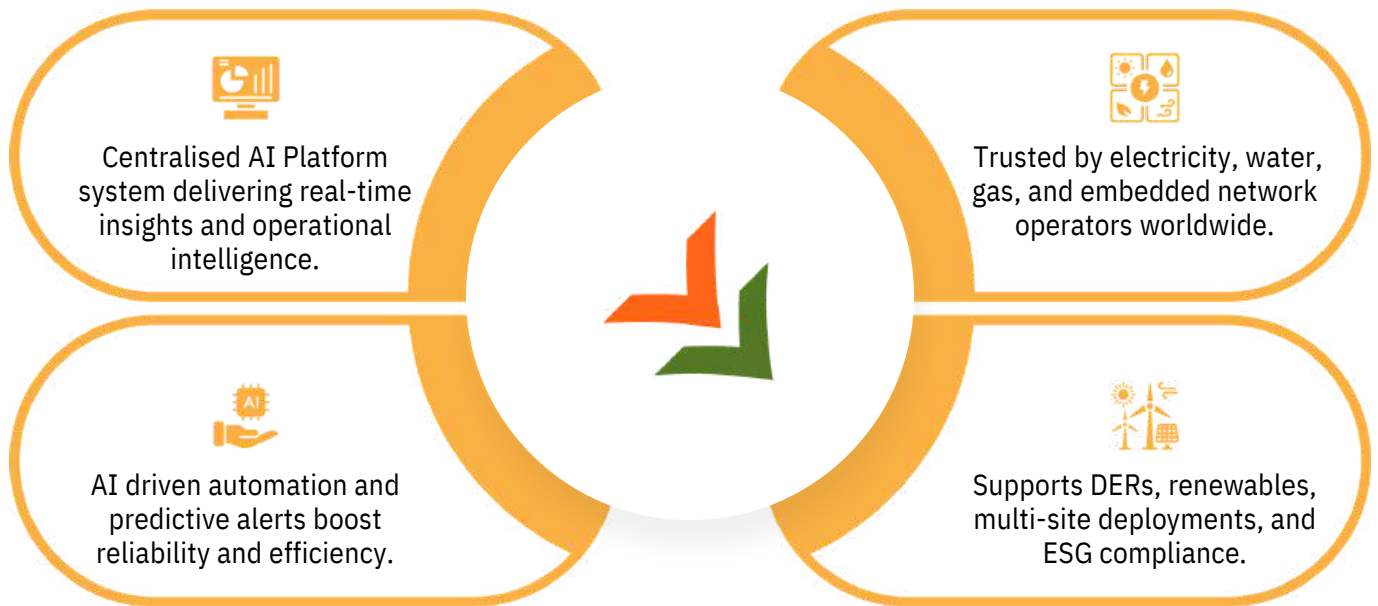
- **Optimised Operations & Reliability** – Real-time monitoring, predictive insights, and automation reduce downtime and improve service continuity.
- **Tenant & Customer Transparency** – Automated billing, usage insights, and dashboards enhance trust and satisfaction.
- **Cost, Resource & Energy Efficiency** – Optimise electricity, water, and gas usage across networks and multi-site operations.
- **Future-Ready, AI-Driven & Scalable** – AI-enabled analytics, embedded network management, DER integration, and multi-site deployments globally.

Tech Integration

- **Edge & IoT Sensors** – LoRaWAN, smart meters, and network asset sensors for real-time monitoring.
- **Cloud & AI Engine** – Predictive analytics, anomaly detection, and operational optimisation.
- **Unified Utility Dashboard** – Centralised platform for electricity, water, gas, embedded networks, and DERs.
- **Automated Control & Integration** – AI-driven alerts, remote asset management, and seamless integration with SCADA, BMS, and utility systems.



Why Arnowa?



Digitally Transform Utility Networks with Arnowa.

✉ info@arnowa.com
🌐 www.arnowa.com

📍 **Australia**
1/24 Poletti
RdCockburn, Central WA
6164 Australia
Ph: +61 8 64677144

📍 **USA**
884 Sea Island Ln
Foster City, California
Ph: +1 415 658 9958

📍 **UK**
42 Cranbourne Gardens
London, NW11 0HP
United Kingdom
Ph: +447520636067

📍 **UAE**
A2 IFZA Business Park
Silicon Oasis, Dubai
Ph: +971 56 333 1416

📍 **New Zealand**
60A Olsen Avenue
Hillsborough, Auckland
Ph: +64 27 4444 7859

📍 **India**
179/36,12th B-Main Road
75th E-Cross 6th Block
Rajaji Nagar Bangalore
Ph: +91 93504 00005

📍 **Indonesia**
Rukan Permata Senayan
Blok A-29 Jl. Tentara
Pelajar Kebayoran Lama
Jakarta Selatan
Ph : +62 21 5794 0651

📍 **Malaysia**
W-10-6, Subang Square
Jalan SS15/4G, SS15
47500 Subang Jaya
Selangor Darul Ehsan
Malaysia


IoT Alliance Australia


AUSTRALIAN MADE


PREFERRED SUPPLIER



Deliver more reliable, efficient, and sustainable utility services with the power of AI + IoT.