

Smart Grid As A Service

Yesterday's renewable technologies have laid the foundation for tomorrow's flexible energy network. Connect the unconnected with Arnowa's Smart Grid as a Service (SAAS) and discover your network's true potential.



The Power Predicament

The tension between growing energy demand, greenhouse gas mitigation, and technological change challenges traditional grid systems to change

There is pressure on innovators and decision-makers to find a way to generate, use and distribute energy in a way that is clean, manages the power load, saves money is accurate, transparent and secure, is maintainable and can be financed.



What is a Smart Grid?

Smart Grids are an integrated energy system comprising of several interconnected distributed energy resources and loads. It is a holistic solution that allows existing and new grid lines to reduce electricity waste and energy costs.



Why Smart Grids?

Facilitate green energy financing compliance

Support COP 21 Climate Action initiatives

Reduce Carbon Emissions

Manage utilities efficiently

Align with the United Nations' 7 Sustainable Development Goals

Efficiently integrate renewables into existing networks

Comply with Smart City initiatives

Smart Grid Features



Integration

Integrated Distributed Energy Resources



Energy Efficiency

Optimised power efficiency with active load balancing



Electric Transport

Charge the future of domestic transport



Lower Costs

Supports energy switching, tariff optimisation, and power sales at lowest costs



Reduced Carbon Footprint

Minimise greenhouse gas emissions



Reporting

Supports energy reporting, monitoring, auditing, and accurate forecasting

Smart Grid As A Service (SAAS)

SAAS provides a reliable and uninterrupted energy supply

Arnowa's Smart Grid as a Service solution connects a diverse range of DERs and loads. The result is a drastic optimisation of current and future energy management practices via a comprehensive Service-based agreement with Arnowa.



Benefits of a Smart Grid as a Service (SAAS)



SAAS for Water Utilities

Electricity is a significant portion of any Water and Waste-water facility's operating expenditure. As the global demand for water rises, there is also a growing need for these facilities to be interconnected. Implementing SAAS in water grids will refine pricing structures and enhance demand side management. Arnowa's customisable SAAS networks for the water utility industry will allow the utilities to reform demands and avert peak prices, stretch generation and transmission capacity, avoid infrastructural and recurring maintenance costs, improve distribution system reliability and enhance the customer experience.

SAAS for Gas Utilities

Adopting SAAS will enable gas utilities facilities to maximise the potential of digital technologies. Arnowa's SAAS solution can navigate the gas industry through its transformation into a modern, efficient and reliable utility. SAAS is the perfect fit into the GAS utility puzzle to provide better customer support and reduce maintenance and operational costs.

About Arnowa

Arnowa is an Australian-born Smart technology innovator. We excel in the design and implementation of IoT and Artificial Intelligence based solutions to simplify processes, spark business efficiency and promote sustainability. Our ecosystems acquire your undiscovered data in real-time and apply our diagnostic and predictive analytics. It's how we enable informed planning and management to produce true value, regardless of industry and size. Businesses who partner with Arnowa proprietary ecosystems are Smarter, more efficient and more effective.

We are proud to have created Australia's first Multi-protocol Edge-computing Device (MED). The MED integrates with existing infrastructure to wirelessly connect the unconnected. It is a one-of-a-kind product with unparalleled flexibility and agility. The MED's applications are wide-ranging and encompass areas that traditional technologies simply cannot address.

We combine the power of IoT, Big-Data and Artificial Intelligence with Carbon - our highly customisable data visualisation, control, and analytics platform. Backed by Arnowa's Real Intelligence, our clients implement efficiency opportunities with surgical precision and continually improve their operations. That's how we redefine the concept of successful and sustainable management.

Are your processes lean and automated enough? Can you predict your facility's performance and address issues before they occur? Do you want insight for better management and decision-making? Arnowa technologies uncover the true value of your data and provide these answers.

Operate like you never have before with Arnowa's ecosystem. It is the end-to-end solution to navigate your business's Industry 4.0 revolution.



Smart | Efficient | Effective

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