



SMART BUILDING SERVICES



urbanise

UTILITY REPORTING

UTILITY REPORTING

ENERGY AT THE CORE OF SMART BUILDINGS

The Role of Energy in the Future of Cities

Currently, buildings consume 42% of all electricity and by 2025 they will be the largest emitters of greenhouse gases on our planet. Employing a smarter buildings strategy, not only benefits cities and the people that live in them but it can also offer substantial cost savings. Estimates predict that smarter buildings in the US alone could save US\$20-25 billion in annual energy costs. Ideally buildings could be designed more efficiently at the outset, but these opportunities are obviously limited. 95% buildings already exist so the real opportunity lies in making existing buildings smarter. Retrofitted smart sensors and transparency of utility consumption has become even more relevant with changes in legislation. Many countries have made it compulsory for commercial and domestic property landlords of multi-let properties where heating, cooling or hot water is supplied to tenants through a district or commercial heating network to provide detailed information about those networks to a central body, and to install meters on all affected properties.

Urbanise Smart Energy Solution

The Urbanise Platform offers real-time monitoring and reporting of energy consumption across multiple sites in a commercial building portfolio. The Urbanise Smart Energy Solution provides wireless metering solutions that are designed to be cost effectively retrofitted into existing buildings. Better yet, our platform is built from the ground up to aggregate data from different points across many buildings and present it in a way that allows simple analysis and the identification of trouble areas. This kind of visibility can be useful for EPC (Energy Performance Contracting). Even with

limited energy management experience, you can use our platform to construct a simple system comparison model for each building, set savings targets and then measure and verify the results of the energy saving initiatives.

Furthermore, the Urbanise Smart sensors provide accurate and efficient building energy analytics with no capital investment and no disruption to occupants. They give facilities managers and real estate executives the tools to better manage facility energy and space utilisation thereby reducing operating costs. Using the Urbanise smart energy solution, many of our clients have successfully transitioned to continuous commissioning, where building maintenance is conducted whenever the smart sensors raise an alarm, rather than on recurring maintenance checks. This not only saves their engineers time but it also increases overall efficiency, visibility and control.

So while current solutions focus on how to extend building management system, we focus on how to get the important data to the client, in a format that they can understand thus optimising energy, saving costs and improving resource allocation.

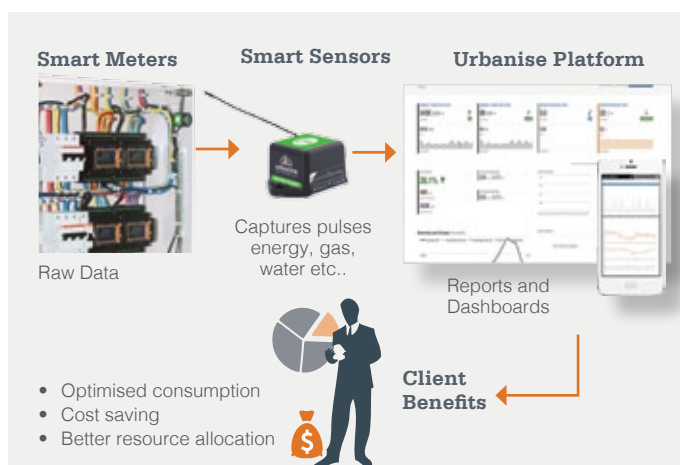
Key Benefits in Three Areas:

Cost Saving through Energy Optimisation

With analytic reporting and alarm management, building engineers can find anomalies and manage energy use holistically. Centralised insight give them the tools to transform hard data into decisions, processes, rules and regulations that help optimise energy usage and consumption. They gain better understanding of how energy is used and consumed and any defaults or problems that can be translated into decisive actions. This in turn translates into improved energy consumption saving a minimum of 10 to 15% in energy costs.

Strategic Visibility with Reporting and Analytics

All data captured by smart sensors is transformed into easy to read and understand analytics that provide managers' valuable insight to support decision-making and energy optimisation. This information is presented within a single

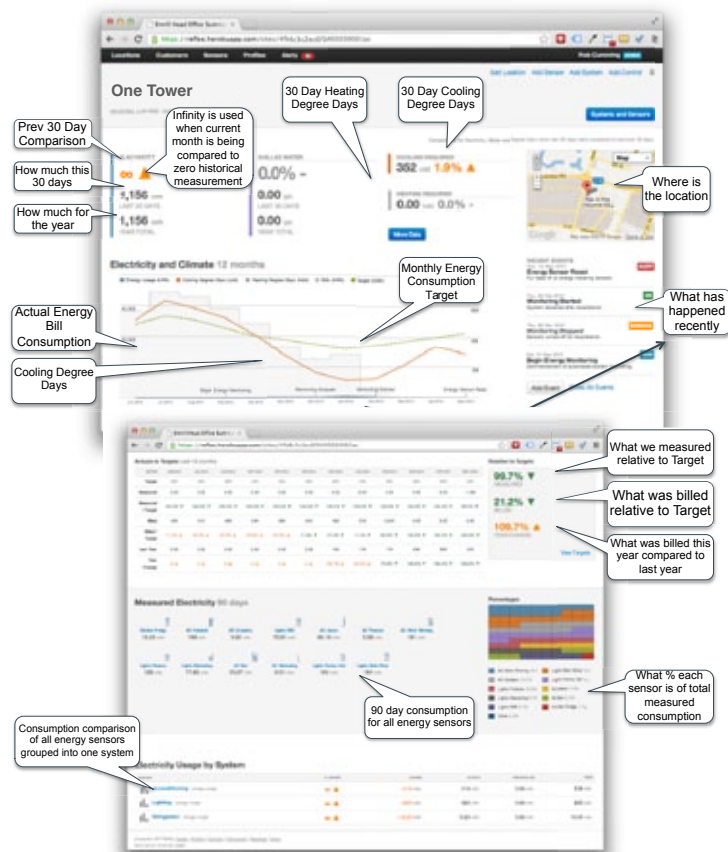


Our Smart Energy Solution:

- ✓ energy, water and gas reporting for a building or a portfolio of buildings
- ✓ wireless and fast to install smart sensors
- ✓ energy readings by system and sub-system
- ✓ compatible with any electrical system and easily retrofitted into any building
- ✓ centralised information in the Urbanise platform
- ✓ comprehensive and easy to understand information and insight
- ✓ comparative analysis of recorded energy usage with bills to find potential areas of costs saving
- ✓ energy targets and alarm systems support proactive energy optimisation and control
- ✓ flexible meter configuration that match asset hierarchy

integrated platform giving a comprehensive overview of building performance, energy efficiency and space usage and making it easy to record, compare and track the success of your energy initiatives with the following features:

- Comparison charts highlight the worst performing assets
- Comparative analysis of energy usage between similar buildings and systems helps identify problem areas
- Ability to compare actual usage against energy saving targets supports cost saving
- Comparing energy targets with billing data provides a complete picture of energy consumption versus cost



Controlling Consumption with Alarms and Fault Detection

Setting alarms based on parameters guarantees that energy, gas or water consumption remains within optimal levels translating into easy cost savings. The alarms can also be integrated to the Urbanise work order management system automatically creating a work order when the alarm is triggered and ensuring optimal risk management. It also eliminates the need for continuous equipment maintenance, thus dramatically improving resource allocation. Engineers do not have to walk around manually checking equipment and they can use their time and skills more profitably.

Traditional BMS vs Remote Monitoring

Urbanise enables wireless energy management and automation devices to be retrofitted into brownfield environments for one tenth of the price of standard control systems. This revolutionary approach removes the 'retrofit cost barrier' that until now prevented energy optimization solution being installed into existing buildings. Traditional Building Management Systems (BMS) are complex and expensive to install. With the substantial capital cost of equipment, the cost of technicians/cabling for the installation and commissioning as well as the telco setup and admin costs required in accessing the data, BMS is not a viable or cost efficient solution.

Urbanise on the other hand, offers Asset Monitoring as a turnkey out of the box retrofit building monitoring service. The opportunity is to connect the critical system directly with the person who can fix it removing detection and job processing delays. Systems can be repaired before they have a financial business impact. At the heart of this solution are Urbanise's Smart Sensors. Wireless, low cost and easily installed, they completely transform monitoring solutions and offer clients a cost effective solution that delivers information and prevent asset failures.

Now that's Smart!

Features & Benefits

- ✓ Smart sensors are easily retrofitted into any building and are compatible with any electrical system
- ✓ Cost effective solution to monitor energy, water or gas consumption
- ✓ Centralised view with comprehensive and easy to read analytics support informed decision making
- ✓ Comparative analysis of recorded energy usage against bills helps identify problem areas and optimize energy usage
- ✓ Energy targets and alarm systems support proactive energy optimisation and control
- ✓ Improved energy optimization results in significant cost reductions



wireless easy to retrofit smart sensor



10 - 15%
energy cost reduction



42%
of all electricity is consumed by buildings

ABOUT URBANISE

Urbanise is the first cloud-based Building Service Delivery platform. With remote asset monitoring, dynamic workforce management, property accounting and an e-commerce portal for building occupants, the Urbanise platform completely transforms the traditional approach to building operations. Its disruptive technology seamlessly outperforms conventional building management solutions and offers service providers real time visibility and control, reduced costs and new revenue streams.

Listed on the Australian Securities Exchange (ASX), the Urbanise platform is integrated in over 6,900 buildings including some of the most iconic towers and communities across Australia, Malaysia, Singapore, South Africa, UAE and the UK.

Find out more at www.urbanise.com



www.urbanise.com