



Deliver new services and boost profitability by digitising measurement and verification

Too much time and effort spent on acquiring and processing data adds cost to running your energy services business. By making the data task easier, you'll have more capacity to focus on achieving good financial returns and refining your business by:

- Improving operational efficiency and efficiency certificate monetisation
- Streamlining M&V data management, and
- Developing new monitoring and analytics services that can extend into asset management

Wattwatchers Digital Energy solutions will help you by delivering accurate, real-time data into the cloud application of your choice for up to 60% less capital outlay than older-style technologies, and avoids the time penalties of working with portable data loggers.

Why should I change?

Good operators are always looking for ways to improve profitability, and create new offerings to differentiate from vanilla competitors. Wattwatchers technology can be the basis for streamlining measurement and verification, simplifying your operational processes, and providing new data-enabled services that can grow your business beyond energy into asset management.

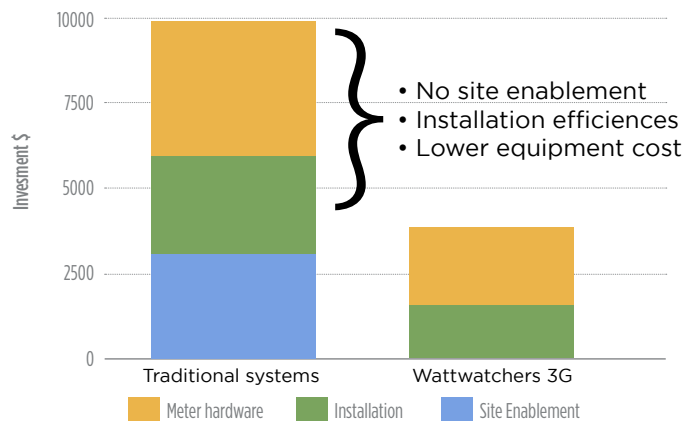
It's no secret that M&V systems and processes can have a significant impact on project profitability and timely project completion. By utilising Wattwatchers Digital Energy to lower capital costs and to streamline field processes and data management, your business will be gaining a competitive edge. Think of the alternatives:

- Data loggers incur field relocation time penalties, manual data handling time, and data quality issues that can go unnoticed for a long time if the logger is not connected. A temporary logger doesn't enable you to monetise ongoing monitoring and analytics services.
- Traditional metering systems will cost you +60% in upfront capital and add the burden of more field installation time to deploy multi-device solutions. These systems are increasingly out-of-date in a digital and IoT world, dragging down your competitiveness and unnecessarily raising costs.

Better ROI. Lower Cost Delivered

Lower cost: over-the-air features; reduce truck rolls; keep technology current; enable proactive fleet management and remote troubleshooting.

A recent example - **60% less** for ten three-phase loads.



Getting data into the applications you use can be costly. Wattwatchers Digital Energy uses an Energy Data Hub with industry-standard data interfaces to make connection to software platforms easy, and provide your business with the flexibility to change platforms in the future.

If you have a software capability gap, then the expanding group of application partners that ‘work with’ the Wattwatchers Energy Data Hub may be of use.

Timely delivery of your projects enhances and accelerates customer insights, and brings revenue forward. Inefficient data management processes

inevitably add time to your project, and leave your customers experiencing problems for longer. Wattwatchers automatically sends data to the cloud which is immediately available in your applications for use, saving time and freeing you up to work your business magic faster.

The economics of deploying a solution including hardware often proves challenging on projects. The ability to monetise the use of hardware in multiple ways provides the flexibility to innovate your service offerings and improve your customer ROI.

The benefits to your business and features that Wattwatchers delivers

Benefits	What we deliver
<p>Improve the profitability of your projects Implementing a streamlined Measurement and Verification process that saves up to 60% on deployment, and automates data capture, clearly saves time and cost. In addition, engineering estimates under efficiency certificate schemes are conservative, and you can often unlock additional certificate value by shifting to an M&V method.</p>	<p>Complete, and 1% accurate electricity measurement 1% accuracy is essential for measurement and verification. 5 minute interval data is guaranteed to be delivered, and is stored in the device for more than 25 days if communications are interrupted.</p>
<p>Use the application of your choice The Wattwatchers Energy data hub simplifies integration to get data into the cloud platforms used in your business. Our software partner network can be used to fill capability gaps if you need it.</p>	<p>Energy Data Hub Securely delivers electricity data in real time, into the cloud applications you use.. We enable cost effective integration using an Industry standard RESTful API. All of your data is stored - no enforced retention policy.</p>
<p>Simple installation by your electrician No specialised installers required. A smart design, installer application and supporting resources make it easy for your electrician to install the Wattwatchers devices.</p>	<p>A compact, easy-to-install device with an installer application Compact devices give the best chance of fitting within existing board space and keeping installation simple. Our application steps the installer through a process, streamlines the collection of site data and provides tools to validate the installation.</p>
<p>Grow monitoring and analytics services Cost-effective access to reliable, accurate and complete data in real-time has been a barrier in the deployment of monitoring and analytics services - Wattwatchers reduces this barrier to enable your services to grow.</p>	<p>Granular electricity data in real time One device measures up to six circuits, and captures a broad set of electricity metrics to manage consumption and power quality on intervals down to 5 seconds. This detailed data can feed your monitoring and analytics engine.</p>
<p>Lower the cost of data and managing hardware Avoid high capital equipment costs, and site visits to upgrade firmware or diagnose fleet issues. Outsource SIM management and leverage competitive data rates.</p>	<p>Over-the-air firmware updates and configuration changes Firmware updates over-the-air reduce the cost of ongoing hardware management and provides the flexibility to change how a device is used at any time.</p>
<p>Diagnose site issues faster and reduce the time to deliver insights to your customer Granular, near real-time data puts the information in your hands faster, so that your expert advice can be laser sharp, with quick delivery.</p>	<p>More data at your fingertips Dive deeper into energy use at target sites by utilising our timely, comprehensive and readily accessible data streams, using your own software (via API) or a growing choice of third party applications that ‘work with’ Wattwatchers.</p>

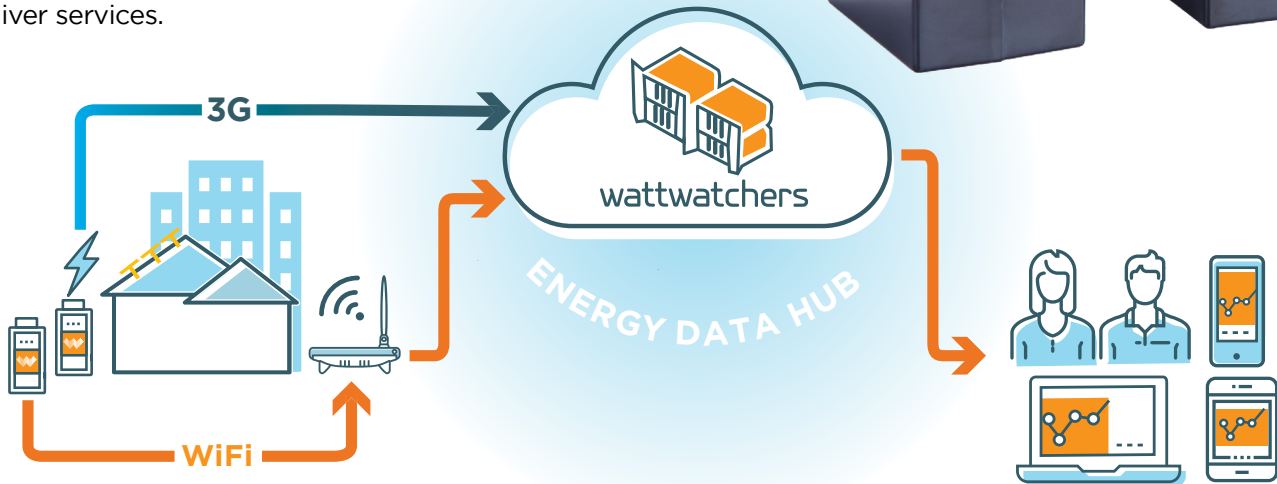


How Wattwatchers Works

Our devices enable cost-effective, reliable electricity monitoring and control at the circuit level.

The Energy Data Hub provides granular, real-time electricity data and circuit-level control.

Our partners use the data in their applications to deliver services.



What we measure

Granular energy measurement delivers on requirements for complete, accurate real-time data.

- **Measurement is accurate to 1% (Class 1)**
- **Guaranteed delivery of Long Energy Data (99.7%)**
- **25 days logging of Long Energy in the device**
- **Reconfigurable over-the-air**

		KWh hours	Voltage	Current	Reactive Energy	Freq.	Min/Max	Guaranteed delivery
5 min	Long energy guaranteed delivery	✓	✓	✓	✓		✓	✓
	Short energy for real-time visualisation and control is instantaneous and configurable		✓	✓	✓	✓		



For Energy Services companies



Project Measurement & Verification

Install devices for a project to measure baselines and accurately measure your impact using standard measurement and verification methods including the International Measurement & Verification Protocol.



Site diagnostics and sub-metering

Where sites have poor transparency of electricity usage and power quality, Wattwatchers can be deployed as sub-metering to diagnose site issues, drive a program of improvement and validate the benefit.



Asset Performance Monitoring and Analytics

At the equipment-level electricity data can provide valuable insight that underpins asset lifecycle and maintenance decisions including run hours, electricity costs, power quality, and equipment start/stop cycles. Asset productivity can now be measured live to help companies operate equipment more effectively.

It's easy to get started.

Demonstration devices can be quickly dispatched, and installed by your electrician. You can get started using data in the Wattwatchers application, and move to your preferred application when you are ready. We support a number of payment methods that make life easy, including credit cards.

Why Wattwatchers Digital Energy?

Wattwatchers Digital Energy is an award-winning Australian technology company focused on devices, data and communications to make behind-the-meter energy management intelligent, connected, easy to install and operate, and cost-effective. Based in Sydney, Wattwatchers develops and markets 'IoT for energy' hardware + firmware + software solutions to accurately monitor, analyse and control electrical circuits in real-time through the cloud.

Our mission is to empower customers with data to help them use energy more efficiently and improve asset productivity, integrate distributed energy resources into the grid, and save money - while supporting electricity systems to operate more reliably with lower carbon emissions.

The internationally-certified Wattwatchers product suite is highly flexible, crossing over for residential, commercial and industrial, and utility use cases; and works with an expanding choice of cloud platforms, software applications and consumer interfaces. More information at: www.wattwatchers.com.au