



Advanced Smart Metering Solution



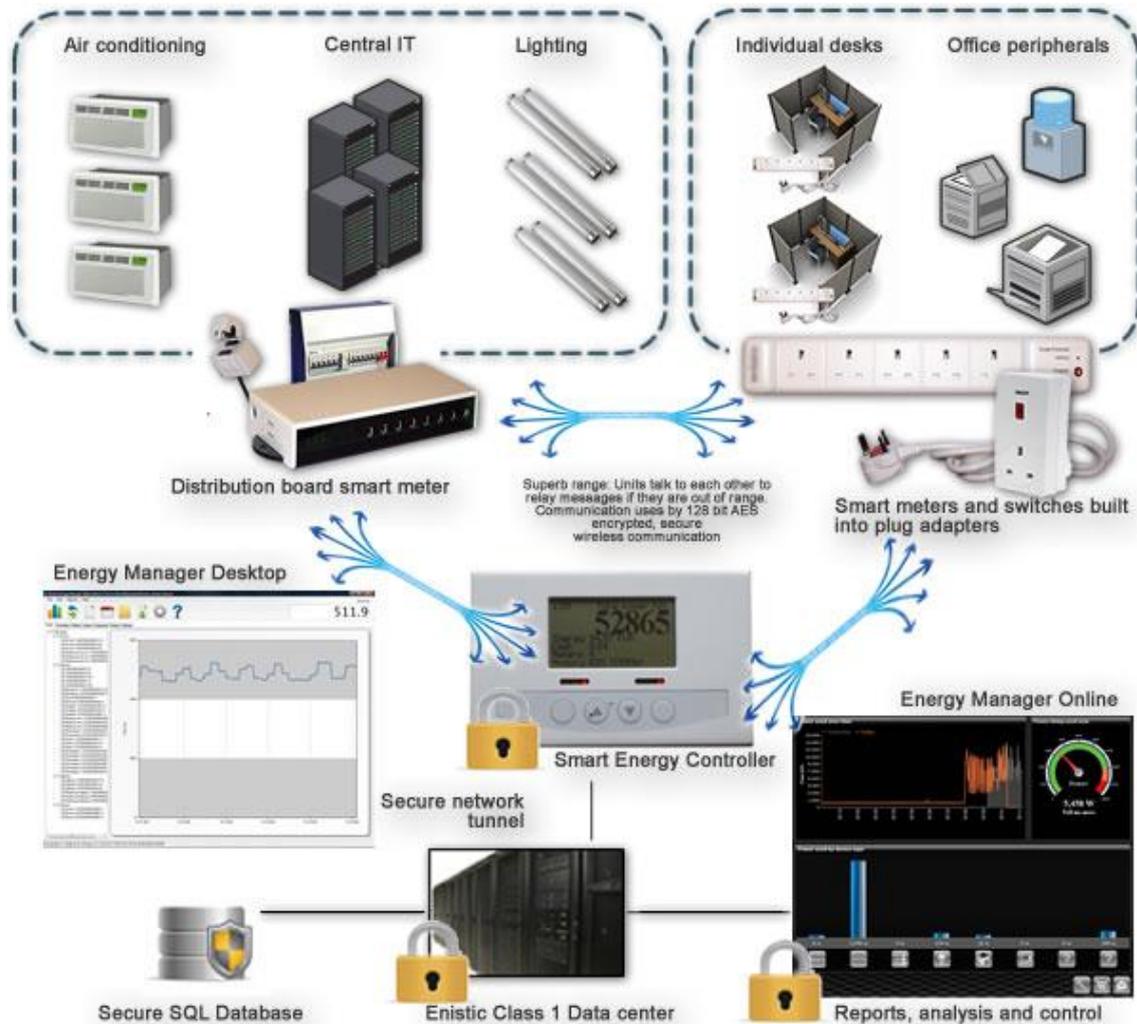
Step 1, measure ... step 2, manage

Our advanced smart metering and sub metering solution is the most common introductory module for GC Guardian clients.

We usually install around 25, 50, 100 or 250 highly accurate real-time smart meters in your building, in order to gain a clear and detailed picture of how your energy budget breaks down

- Your energy data can then be easily accessed via our reporting software, available online or in a desktop version. Will give you a wealth of, plus easy-to-read graphs, analytics and reporting features.
- Many of our smart meters contain switches, to give you automatic / remote control over certain equipment, to ensure that it is not left on when not in use
- An Energy Manager iPhone app is also available to give you further flexibility and control.

The diagram below shows how our smart metering systems work, with data being relayed wirelessly between smart metering devices to a smart energy controller, using ZigBee Pro wireless technology, and then interpreted by Energy Manager:



Benefits of Advanced Smart Metering

- Once our smart metering system has been fitted, most customers find **immediate savings through simple behavioural changes**. This module highlights when and where energy is being wasted, and enables most clients to make quick savings to **reduce energy bills by more than 10%**.
- It is also a valuable diagnostic tool that gives us very accurate data on which to base predictions about the savings and ROI you can expect from **additional modules**.



GC Guardian Solo	This is a single smart meter fitted into your building somewhere. Typically this could be used for tenant billing, monitoring the incoming feed, bill validation or to monitor a single piece of machinery.
GC Guardian 10	Suitable for small businesses such as corner shop, hairdressers, lawyers, accountants, estate agents, small manufacturers or small schools. 10 points is enough to give you a pretty good idea about where your energy is being used so you can start to take action to reduce your costs.
GC Guardian 25 & GC Guardian 50	Suitable for most small businesses, GC Guardian 25 and GC Guardian 50 are popular choices for people wanting to understand the energy use in general offices, small manufacturing plants, small hotels, schools and retail units. 25 - 50 monitoring points are included to give a fair idea of where your energy is being used so you can begin to focus down to reduce your energy spend.
GC Guardian 100 & GC Guardian 250	Suitable for larger buildings, the 100 and 250 metering points give enough data to produce a comprehensive energy map of your business so you can see in detail where your energy is being used and where energy can be saved. Suitable for medium to large schools, hotels and offices it is often the choice for someone tasked with reducing the energy spend but not knowing precisely where to start or where to set target baselines.
GC Guardian Enterprise	GC Guardian Enterprise is our bespoke solution for larger clients such as hospitals, large schools and colleges, government buildings etc. Together we can help you build energy maps of your entire estate and represent them using geospatial mapping tools, display dashboards for use in reception areas and feed information back to corporate dashboard systems used in head office. This solution is infinitely customisable and can be tailored to your exact needs.

Each hardware kit we sell contains enough smart metering points to gather data on a typical installation. Once you place an order with us we will do a site inspection and during the site inspection we can advise you if the standard kit needs customising in any way and the costs associated with any customisation, such as upgrading from a 32A sensor to a 100A sensor. The costs involved with modifying or adding to one of the kits below are generally not significant.

GC Guardian Advanced Smart Metering Hardware Kit Contents							
Description	GCG Solo	GCG 10	GCG 25	GCG50	GCG100	GCG250	CGG Enterprise
Fiscal Meters	1	1	1	1	1	1	Please call
Distribution board meters		1	2	3	5	14	Please call
Distribution board sensors		7	19	41	87	217	Please call
Smart Energy Controllers	1	1	1	1	2	5	Please call
Smart Strips			3	6	10	30	Please call
Total Metering Points	1	10	25	50	100	250	Please call



Frequently asked questions

I need a GC Guardian system but I'm not sure if the solution I need is exactly what I want, can I change it around?

No problem. When we do our site survey, we can advise you of any changes needed to the kits supplied above. For minor changes such as swapping sensor sizes around or providing metering points over and above those supplied in the kit the additional costs involved are generally not significant.

Can I fit the hardware myself?

Sure. Simply buy the hardware and software items only and we'll give you as much telephone support as you need to get going. It isn't a hard job but you will need to make sure you comply with the various relevant health and safety rules.

I want a GC Guardian 18 or another odd size solution ... can you price it for me?

Our kit sizes are priced to suit a variety of different size clients but if you need a customised solution, start with a solution with lesser points than you need and explain to our engineers when they arrive the additional meters you require. For 18 metering points, for example, start with a GC Guardian 10 and then ask the engineer about the additional 8 metering points.

I don't like subscription services, can avoid paying monthly?

Sure. Some people like the way the online software is constantly updated and is accessible wherever you are 24/7 but if you don't like paying subscription charges, look at using our local software instead which has a one-off licensing charge rather than a monthly subscription charge. Of course, you can't do as much with the local software and you can't access it remotely (and neither can we!), which rather limits the amount of advice we can give you about your energy use, but at least it avoids the monthly charges.