# halo analytics platform

The Power of Analytics

We have huge amounts of data available to us that has relevance to our businesses and our premises. This data could and should drive business decisions and allow us to control and use the analytics that can be created to increase efficiency, profitability and control.

We are all too familiar with the terms IoT (Internet of Things) and the rapid growth of data available driving AI (Artificial Intelligence) using data for intelligent and predictive responses. The core of both of these terms is to harness and make sense of data that is available to us to allow us to make informed decisions.

What is halo?

The halo platform was borne out of 4energy group's unparalleled experience in energy analytics coupled with a passion for providing clients with solutions specific and tailor-made to their needs.
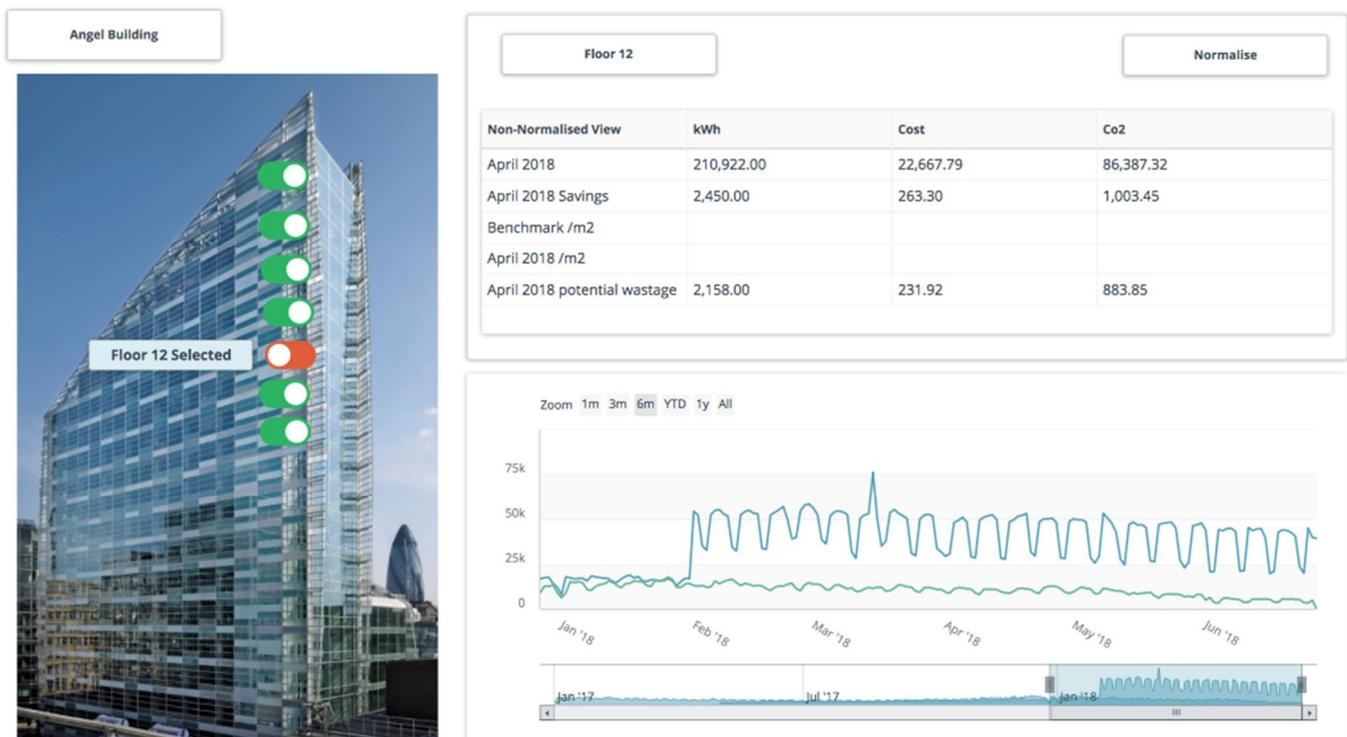
We utilise the power of cloud-based analytics to create unique and user-friendly energy-monitoring interfaces that help our clients make better financial decisions. In essence, halo will enable you to understand and, most importantly, control your energy and its associated cost.
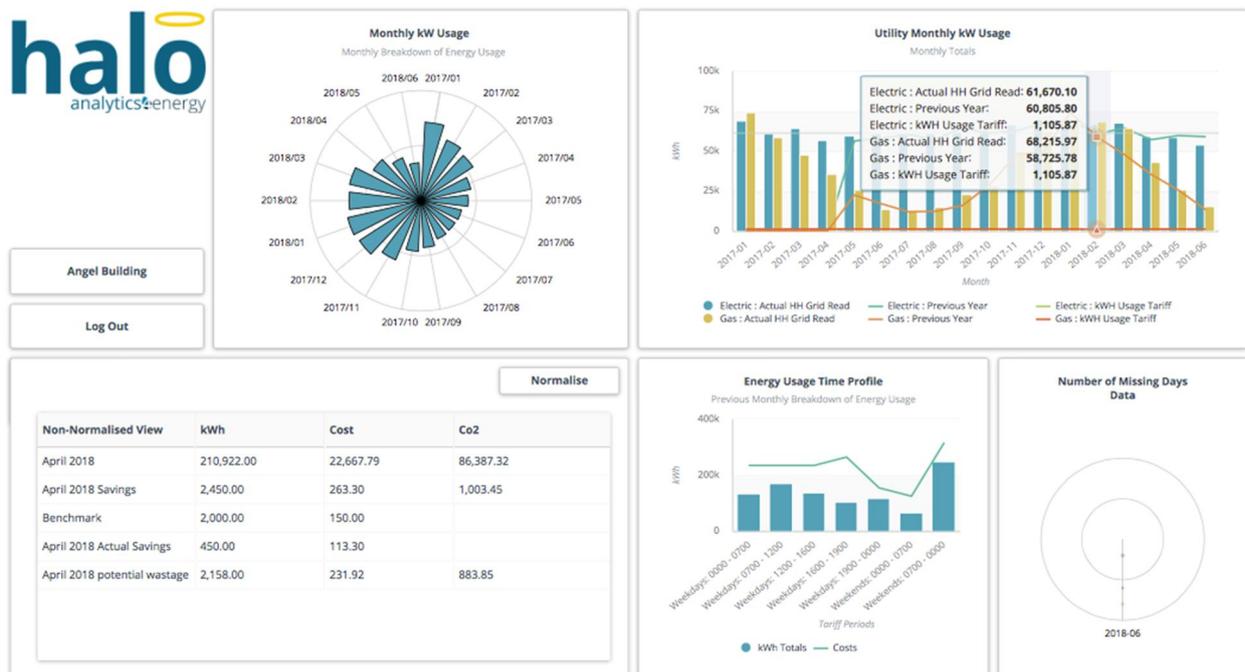

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halo visualisations

Simplicity sits at the core of our values; therefore, halo takes an intuitive approach to deliver clear visual messages and guide our clients to optimised decision making. We use innovative interactive dashboards to analyse your data, which enable you to draw smart conclusions about viable business opportunities. Through our platform, you have instant 24/7 access to analytical tools and receive alerts on key indicators.

Angel Building			Floor 12		Normalise

Non-Normalised View	kWh	Cost	Co2
April 2018	210,922.00	22,667.79	86,387.32
April 2018 Savings	2,450.00	263.30	1,003.45
Benchmark /m2			
April 2018 /m2			
April 2018 potential wastage	2,158.00	231.92	883.85

How will halo serve your business

By clearly identifying your objectives and exact requirements, we break down your energy data into its granular constituents that best meet your needs, enabling you to make clear comparisons and see trends that emerge amongst your key variables. Finally, based on these observations, we conduct a thorough evaluation process and help you generate a measurable return on investment on energy saving projects. The system uses regional Degree Day Data to normalise the energy data should a correlation be proven between ambient and kwHr consumption.

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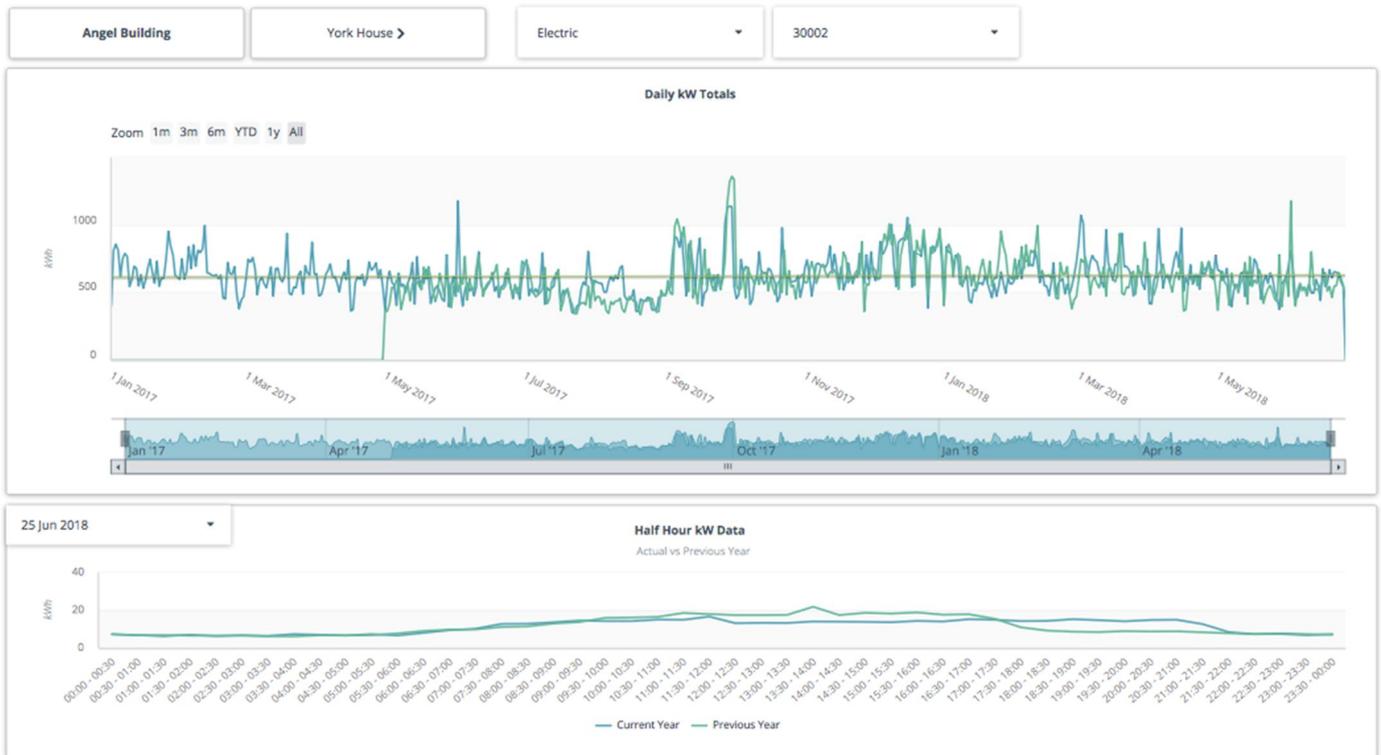
Benefits of the halo platform

We realise that data gaps may impede you from drawing conclusions, therefore we have created a trustworthy system to infill data.

We use tariff data to identify potential 'Time of Use' (ToU) savings.

We can integrate virtual meter points from other systems, including Access control, BMS, EPOS, Dali, Fidelio to name but a few.

Bespoke system design

halo offers a bespoke design service that creates visualisations to your exact requirements. To adopt business analytic techniques halo also uses non-energy analytics to provide you with meaningful information that will drive business decisions.

When data is packaged and sent to our secure data pond for a specific client, halo can present this data separately or incorporated within the energy data calculations. For example, if provided with occupant levels from a security system, halo calculates the cost of energy consumed within the building per occupant in a granular format.

halo can also demonstrate the true benefit of night cooling by monitoring plant start/stop periods and corresponding energy consumed during these periods. This data in turn could drive decision making on plant operation.

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Normalise

Zoom 1m 3m 6m YTD 1y All
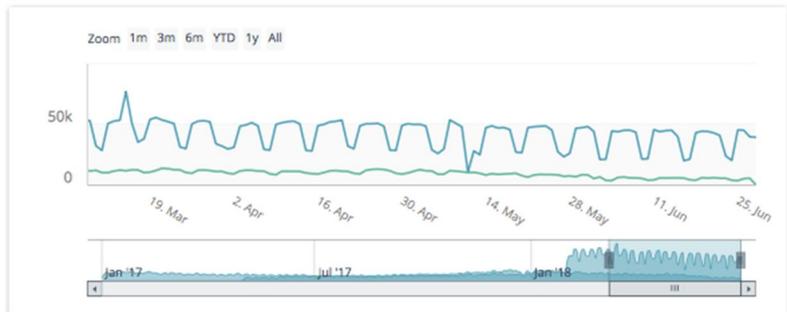
For further information and
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