



13:00 Case Study - Pets at Home

Ben Higgins Ignite Energy, **Graeme Ross**
Resource Data Management and **James**
Kokiet Pets at Home



How Pets at Home reduced energy consumption by 34%

James Kokiet, Energy M anager Pets at Home

Ben Higgins, Director, Ignite Energy

Graeme Ross, Head of BEM S, Resource Data M anagement

Agenda

Focusing on the demand reduction solution created by Ignite Energy for Pets at Home, the seminar will focus on the reasoning, strategy and result. We will cover:

- Pets at Homes' motivation
- Objective & Challenges
- Demand Reduction Strategy
- Result
- Panel discussion about the case study and industry topics
- Close with 10 min Q&A with the audience

Putting Pets Before Profit

Being the UK's leading retailer of pet food, accessories and grooming services, and one of the foremost veterinary services providers, Pets at Home have an important role to play in delivering the highest possible welfare standards for pets. They also aim to make a positive impact on the communities where they operate and to reduce their environmental footprint.

Their vision is to:

- Provide a great place to work
- Be at the heart of every community
- Always put pets before profit
- Respect and use resources efficiently



Objective & Challenges

Pets at Home wanted to minimise consumption of core resources and maximise efficiency, both key to minimising their impact on the environment.

- Estate not running to optimal efficiency
- Minimal control of in-store HVACR assets
- Difficult to monitor & maintain HVACR infrastructure
- Out-dated fluorescent lighting
- Strict temperature regulation guidelines



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LED lighting

- Rolled-out across entire estate, both on and off sales floors
- High-bay fittings, with sensors and controls built-in, to switch lighting off when a suitable level of natural light enters stores
- Daylight harvesting
- Zone control and reduction, based on occupancy



BMS Control System

- Intuitive controllers from RDM, supported by RS485 interfaces and energy meters, control all HVACR and store systems (lighting, air-conditioning, and signage).
- Temperature sensors, facilitate adherence to animal welfare guidelines and provide optimal comfort for customers and team members.
- Integration with security system to facilitate optimisation based on occupancy
- Compact control panel, fitted into a consumer unit ahead of installation, reducing install time, cost and disruption to operations
- Data is monitored centrally, recorded and settings regulated automatically at all times
- The accessible price point of the Intuitive hardware, combined with the cost savings, allowed for implementation across the estate at a high-frequency

Carbon Neutral

Pets at Home continue to monitor the CO₂ emissions from business activities and look to challenge areas where reductions can be made without compromising the welfare of pets or the comfort and safety of colleagues and customers. Electricity remains their largest source of emissions and is the focus of their reduction efforts.

Project Aether, in addition to sourcing green renewable electricity and purchasing Gold Standard carbon offsets equal to the volume of natural gas used across their estate has helped them become carbon neutral in the use of natural gas and electricity since October 2017.

Electricity Consumption	2016	2017
	31,680	28,840



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Summary

420
STORES
IN TOTAL

15-20 STORES
RETROFITTED
EACH
WEEK

34%
ENERGY
CONSUMPTION
REDUCTION

PROJECTED
REDUCTION OF
30,000
TONNES
PER ANNUM
CO2 EMISSIONS

£3M
ENERGY
COST
SAVINGS
FOR THE PERIOD
2016 / 17

Presenter Bios

James Kokiet

Energy Manager, Pets at Home (Project Lead)

James Kokiet has been the Energy Manager at Pets at Home for four years and has overseen a dramatic change in their approach to energy and sustainability during that time.

James was instrumental in the development and implementation of Project Aether, which resulted in a reduction of energy consumption of more than 30% across the businesses portfolio of more than 420 stores.

Pets at Home now claims to be the UK's first specialist pet retailer and vet group to have zero carbon stores and vet surgeries due to the actions Kokiet has implemented.



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Ben Higgins

Director, Ignite Energy (Energy Management Consultants)

Ben Higgins has been working in the energy industry for over ten years and has overseen the successful delivery of a whole range of energy services including procurement and risk management, bill validation, finance support and reporting, CRC, GHG reporting, ESOS, smart metering projects and significant demand reduction projects.

Through his work as a Director at Ignite Energy, clients have achieved savings worth tens of millions of pounds and made equally large reductions in carbon emissions, benefitting both businesses and the environment.

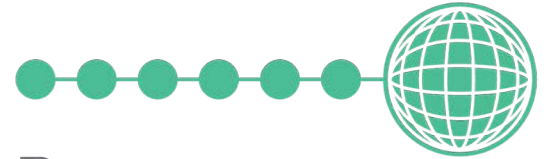


Graeme Ross

Head of BEMS, RDM (Hardware & Software Provider)

Graeme Ross has led the growth of Resource Data Management (RDM) control and monitoring solutions within the BEMS sector. Multi-disciplined, Graeme has a wealth of experience attained in wide-ranging roles in leading companies over the past 30 years.

His unique insight facilitates the swift installation of robust HVACR control and building energy management solutions across many industries. Supporting customers in control system design, installation and project management, he regularly helps them achieve significant reductions in carbon emissions, energy and HVACR infrastructure maintenance costs.



**Resource
Data Management**

Thank you
Q&A