



# Virtual Energy Manager case study

## VEM in action on large Wholesale Estate

Hawley Energy are celebrating their 10<sup>th</sup> Anniversary in 2025 by launching Baseline Power but also christening their core services under the banner 'Virtual Energy Manager', a suite of services designed to compliment an existing team with a broad range of technical competences it would be difficult and costly to recruit.

## Result

### INCREASED AWARENESS & UNDERSTANDING OF ENERGY DATA AND POTENTIAL TO SAVE

- **Improved Reporting Methods**

Building on the great work already done, the data is presented in an easy to read format.

- **Understanding of Cause/Effect**

Through regular reporting, all stakeholders can see their own impact on live energy data.

- **Sharing good/bad practice**

Sharing good and bad news stories helps prevent mistakes being repeated at other sites.

- **Tracking of Corrective Actions**

Where a negative change has been picked up, it can be tracked, corrected and monitored.

- **Strategic Planning for Net Zero**

Working with operational, estates and financial departments, VEM is now a central part of the clients Net Zero Planning.

- **Ability to track savings**

By reducing lighting load and releasing electrical capacity, electrification in other areas such as heating became less challenging.

## Conclusion

Bringing together a wide range of services, Virtual Energy Manager has combined the skillsets of team of internal and external colleagues and given our client the ability to see, interpret, plan, measure and benefit from the improved visibility that VEM brings.

## Challenges

- **Complex Data Collection**

A large estate generates large amounts of data that has to be collected, formatted and presented as simply as possible.

- **Simplification of large amounts of data**

Taking large volumes of numerical information and transforming it into a consistent visual format was a central requirement.

- **Creation of informative dashboards**

Gas, Water, Electricity in its simplest format needed presenting in 'dashboards' that meant all stakeholders were always informed.

- **Identification and delivery of projects**

Where opportunities were identified, they had to be modelled, scoped, tendered and delivered in a professional and independent process that ensured maximum return on all capital expenditure.

## Strategy

Concentrating on the gathering and simplification of the method of presenting data initially, 'VEM' has successfully transformed half hourly data into actionable intelligence so all stakeholders can grasp the nature, cause and effect of changes in energy use.

- Improved Reporting Methods
- Understanding of cause/effect
- Sharing of good/bad practice
- Tracking of corrective actions
- Strategic planning for Net Zero
- Ability to track savings



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