



European Union
European Regional
Development Fund



3Keel Sustainability



SME BUSINESS SECTOR:
3Keel are an Oxford-based sustainability consultancy.

PROJECT COST:
£4950

GRANT:
£1,237.50

“ Changing the heating system alone is resulting in a greater than 20% energy reduction in the winter months for our business. ”

Will Schreiber
3Keel

The Project

3Keel are an Oxford-based sustainability consultancy committed to making food systems, supply chains and landscapes fit for the futures.

“We welcomed the opportunity to improve the impact of an existing UK office by investing in energy efficiency and on-site renewable energy generation. One of our first acts involved the carrying out of an energy audit with OxFutures to identify the key areas for enhancement to reduce the overall impact of our business.”

-3Keel 2019 Sustainability Report

Where to start?

The energy audit recommended a host of measures that 3Keel could install to reduce their energy bills, make their workspace more comfortable and reduce their carbon emissions. The recommendations included upgrading their electric heating as well as simple things like adding sensors to extraction fans. OxFutures helped the organisation make decisions on what to prioritise and here are some of the measures 3Keel decided to go ahead with.

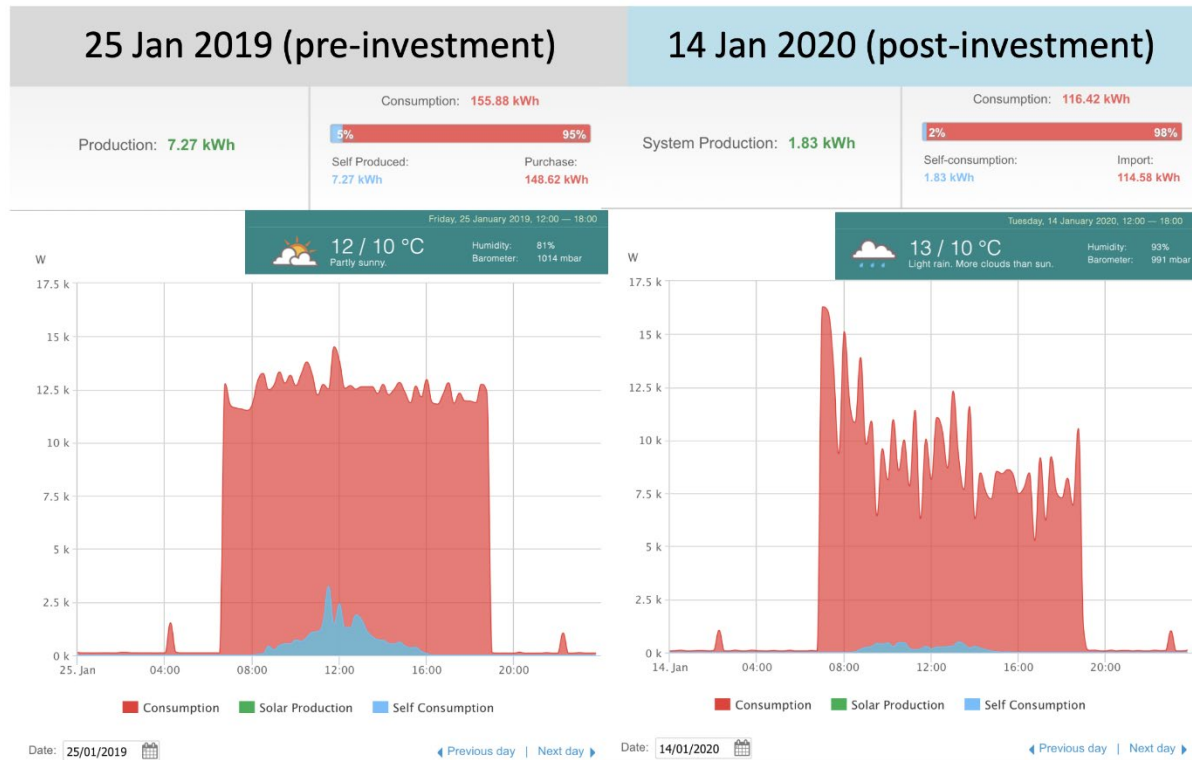
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Heating System

By upgrading their electric heating system to utilise more modern technology (Wi-Fi controllable independent thermostats on each unit) as well as simple things like adding sensors to extraction fans they have been able to reduce the amount of energy they use and increase their savings.

“Changing the heating system alone is resulting in a greater than 20% energy reduction in the winter months for our business (see charts below comparing two similar days before and after our investment).”

-3Keel 2019 Sustainability Report



Other Changes

In addition to these more technical changes, 3Keel also changed all their lighting to LEDs and installed a 9.7 kWp solar array on their roof. The solar array is now making them a significant net exporter of electricity in the late spring to early Autumn and is delivering about half of their total energy demand.

Setting an example

3Keel have shared the experience and business case for installing solar panels on their roof with their neighbours. As a result of these discussions, two businesses in the same business park have also installed solar panels. 3Keel also assisted their neighbours by providing them with guidance on securing planning permission, providing templates they had used themselves, and assisted with calculating the business case for installation.

As of January 2020, the business park is now able to generate over 40 kWp electricity from the sun.





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Future aims

3Keel are always looking at ways to make their business operate more efficiently and with the energy audit they received they will have the knowledge to incrementally implement more efficiency measures as and when they are able.

Read more about their sustainability efforts in their 2019 report here: https://www.3keel.com/wp-content/uploads/2020/01/2019-Sustainability-Report_published.pdf

Give the OxFutures team a call today on **01865 246009**, or visit www.oxfutures.org to see how you can save money and energy with a free energy audit and grant funding.

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