

Overnight Fuel Consumption Reduced by 89% for Volker Fitzpatrick

Following a trial of fuel monitoring devices combined with Invisible Systems' Eco Lync solution, Volker Fitzpatrick has seen a reduction in overnight fuel consumption by 89%, weekly savings of more than £560 per week, and a carbon impact reduction of 1.26 Tonnes of CO₂e per week.

The Challenge

Volker was experiencing some uncertainty over how generators and sustainable site set-ups work within the modern construction industry.

With a battery storage unit and an Eco Lync unit already installed, Volker needed to develop a better understanding of how much fuel they were wasting.

The Invisible Systems team offered a bespoke solution to help Volker gain a comprehensive overview of their fuel consumption and make changes to reduce costs and emissions.



The Solution

The results from the project pilot have shown an 89% reduction in overnight fuel consumption. Weekend fuel consumption has also been reduced by 40%.

The financial savings from the use of this data can be amounted to the cost of the fuel saved, which is £560 per week.

Without a fuel monitoring system, this cost saving could not have been easily identified. It would also have been difficult to quantify the fuel reduction following the interventions.

Going forward, these monitoring changes will allow the business to claim real-world reductions with referenceable data, as well as ensure that Volker gets green power solutions that live up to suppliers' claims.

This outcome demonstrates that Invisible Systems' innovative site set-ups are making a sustainable impact through both carbon and cost savings.

Did you know?

Volker Fitzpatrick began in 1921 as a stone and materials contractor under the name Fitzpatrick & Son.

Beyond Invisible

The approach outlined above can be applied anywhere.

Our industry-leading I-System software solutions are already providing businesses like yours with useful, real-world insights on energy consumption and potential wastage. This empowers them to maximise their efficiency and profitability, while reducing their environmental impact.

By connecting assets and devices, and allowing them to share and analyse data, Invisible Systems can intelligently and automatically optimise your business.



Project Outcomes

Following the implementation of our I-System solution, Volker was able to:

- Produce easy and targeted carbon reporting in specific areas.
- Ensure that projects are meeting fuel reduction targets and are financially beneficial.
- Reduce weekly fuel consumption by up to 34%.
- Use the data to implement a range of suitable improvements across the supply chain.

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Through the interventions, we have been able to reduce the overnight fuel consumption by 89%. Looking at the entire week's fuel consumption, we have reduced the weekly fuel consumption by 34%.

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Toby Harvell,
Sustainability Engineer, Volker
Fitzpatrick.

Ready to take control of your data?

For a comprehensive consultation on the needs of your business, talk to the Invisible Systems team today.

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