

A Smarta Case Study

LumiraDx

How we reduced energy
consumption by 7.5%

Collaborators: **Kieran Dixon and David Anderson**

Design and structure: **Lisa Benfield**



Table of Contents

Overview	3
Our Innovation	4
Challenges	5
Solution	6
Results	7
Client Feedback	8
End Card	9

LumiraDx, a leading diagnostics company, approached Smarta Energy to help them reduce their energy consumption and enhance their sustainability efforts across their various UK sites. As a company committed to cutting-edge healthcare innovations, LumiraDx sought to align its business practices with its environmental values. They faced growing pressure to minimise operational inefficiencies and embrace sustainability as part of their overall strategy. Smarta Energy was brought on board to identify energy inefficiencies, provide targeted solutions and deliver lasting results.



Background

LumiraDx is a next-generation point of care diagnostics company that was founded in 2014. The company manufactures and commercialises an innovative diagnostic platform that supports a broad menu of tests with lab comparable performance at the point of care.

The company has on the market and in development 30+ tests covering infectious diseases, cardiovascular disease, diabetes and coagulation disorders, all on the LumiraDx Platform.

One of their missions revolves around 'Smarter Solutions. Better Outcomes. Better Health.'

At Smarta Energy, we understand that reducing energy consumption requires a comprehensive approach that goes behind surface-level fixes. We pride ourselves on delivering tailored solutions that empower businesses like LumiraDx to achieve tangible savings while fostering a culture of energy efficiency.

Our Vision

Our innovation in this case was a multi-faced strategy involving deep data analysis, tailored energy efficiency training, and strategic procurement plans. We took the time to assess LumiraDx's unique operational needs and challenges and developed a customised program aimed at driving lasting energy reductions.

Our approach included:



Energy Audits: We conducted comprehensive site audits to identify inefficiencies in lighting, HVAC systems, and equipment usage. Using state-of-the-art monitoring tools, we were able to isolate inefficiencies and map out where the highest consumption took place.



Employee Engagement: Understanding that employee behaviour plays a critical role in energy consumption, we organised two energy efficiency workshops. These sessions were designed not only to educate LumiraDx employees but also to inspire and influence smart energy use, fostering a company-wide culture of energy awareness.



Smarta Procurement Strategies: We provided LumiraDx with advanced procurement strategies, ensuring that they could benefit from competitive energy pricing while also selecting more sustainable energy sources to power their operations.

While LumiraDx was already committed to reducing its environmental impact, and reducing energy costs, several challenges emerged during the process:



Complexity of Operations

As a healthcare diagnostics company, LumiraDx operates in a highly regulated environment where maintaining optimal conditions for diagnostics equipment is crucial. This made it challenging to implement energy-saving measures without disrupting critical operations.



Employee Behaviour

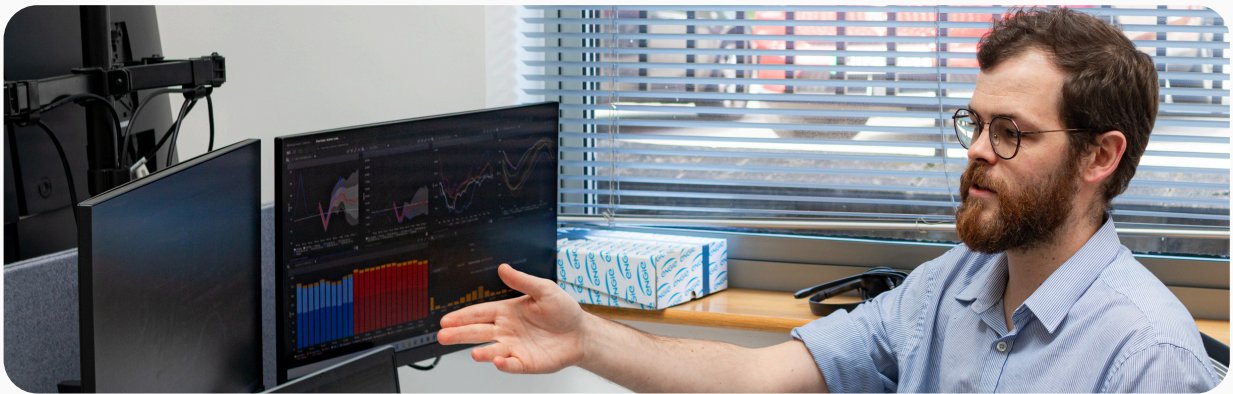
Employee engagement in energy-saving initiatives can be inconsistent, especially in companies focused on highly specialised tasks like those in the healthcare sector. Encouraging employees to adopt new energy-efficient behaviours required a targeted communication and engagement strategy.



Sustainability VS Cost

While LumiraDx was committed to sustainability, they also need to balance this with their financial priorities. Implementing solutions that reduced energy consumption while maintaining cost-effectiveness was crucial to the success of the initiative.

Smarta Energy tackled the previous challenges, and more, by taking a holistic, data-driven approach.



Customised Energy Audits:

Our team worked closely with LumiraDx's facilities management and technical teams to conduct thorough audits of their energy systems. We mapped out the company's energy usage patterns, identifying specific areas such as lighting inefficiencies, HVAC settings, and equipment standby modes that we were contributing to excessive energy consumption.

Tailored Workshops for employees:

Our energy efficiency workshops were crafted with LumiraDx's unique working environment in mind. These sessions not only provided practical tips on reducing energy usage but also framed energy efficiency as part of LumiraDx's broader sustainability goals. We introduced gamification and incentives to encourage teams to track their energy-saving progress, ensuring employee engagement.

Strategic Procurement:

We provided LumiraDx with procurement strategies that allowed them to source energy at lower costs while integrating green energy solutions. By helping them switch to renewable energy providers, we ensured that their commitment to sustainability extended beyond mere energy reduction to the adoption of greener energy sources.

Energy Reduction:

LumiraDx achieved a 7.5% reduction in their overall energy consumption across their UK sites. This reduction translated into substantial cost savings, helping them lower their energy bills while simultaneously reducing their carbon footprint.

Employee Engagement:

The workshops led to increased energy awareness among LumiraDx employees, and the internal culture shifted towards prioritising energy efficient behaviour. Employees became proactive in identifying energy-saving opportunities, leading to additional reductions beyond the initial targets.

Sustainable Procurement:

With the new procurement strategies in place, LumiraDx was able to source energy more efficiently and at a lower cost, while transitioning to renewable energy sources. This has positioned them to be a leader in sustainability within the healthcare diagnostics sector.

Long-term Impact:

The partnership between Smarta Energy and LumiraDx created lasting changes in their energy usage patterns. The improvements not only impacted their bottom line but also contributed positively to their corporate social responsibility initiatives, improving their reputation with stakeholders and customer alike.



Through our innovative solutions, Smarta Energy helped LumiraDx not only reduce their energy consumption but also fostered a culture of sustainability that will benefit them long into the future. This case study underscores the importance of a tailored, holistic approach to energy management in industries where operational precision and environmental responsibility must go hand in hand.

"I am writing to express my utmost gratitude and appreciation for the exceptional management of our energy portfolio that your team has provided. Your dedication, expertise, and commitment to understanding our energy needs and objectives have truly set you apart as a leader in the industry.

From the moment we engaged with Smarta Energy, we have experienced significant cost savings like never before. Your adept handling of risk-managed procurement strategies has allowed us to capitalise on market opportunities and secure better deals, resulting in substantial savings for our organisation. This proactive approach to risk management has not only optimised our energy procurement costs but has also added tangible value to our bottom line."

"Furthermore, your understanding of our energy consumption patterns and behaviours through comprehensive energy monitoring has been instrumental in shaping our procurement strategy. By analysing and interpreting our energy data, your team has provided invaluable insights that have enabled us to make informed decisions and optimise our energy usage effectively. This level of knowledge and attention to detail has been pivotal in helping us align our budgets with financial forecasting and strategic planning.

One aspect that truly sets Smarta Energy apart is your unwavering commitment to keeping us updated and informed at every step of the way. Your proactive communication and transparency have provided us with peace of mind, knowing that we are always in the loop and well-informed about our energy portfolio. Your team's dedication to excellent customer service has been exemplary, and it is evident that you prioritise building strong relationships with your clients based on trust, integrity, and reliability.

In conclusion, I have been thoroughly impressed by Smarta Energy's professionalism, expertise, and dedication to managing our energy portfolio effectively. The results speak for themselves, with significant cost savings, optimised energy usage, and unparalleled customer service that have exceeded our expectations. I wholeheartedly recommend Smarta Energy to any organisation looking to streamline their energy management and drive tangible results for their business."

~

David Anderson Senior Director



Case Study 2024

The Smarta Way to Energy Management