

CASE STUDY Greencore

THE CLIENT - GREENCORE

Established in 1991, following the privatisation of Irish Sugar, Greencore now has over 16 manufacturing sites and 18 distribution centres across the UK. With a net income in 2021 of £25.7 million. They are known as the world's largest sandwich manufacturer. Employing over 13,000 people, Greencore supplies a wide range of chilled, frozen, and ambient foods to some of the most well-known retailers and food service customers in the UK.

Greencore was in search of an electrical safety company to assist them in achieving electrical compliance, they needed a business that shared the same values and high-quality work ethic, going above and beyond for the customer always.

GUARDIAN & GREENCORE

Specialising in fixed wire inspection and testing, Guardian Electrical Compliance was established in 2010. With over 120 years of collective experience in the electrical safety sector, Guardian was created with the vision to improve electrical safety standards for all Dutyholders, delivering blue-chip clients high-quality testing services to help them achieve electrical compliance to satisfy the Electricity at Work Regulations 1989.

In 2011, with identical well-established values and a passion for high-quality deliverance, Greencore agreed that Guardian Electrical were best suited to assist them in completing their fixed wire inspection and testing programme at their site in York. Now, Guardian delivers an array of electrical safety services, including fixed wire inspection and testing, remedial work, electrical equipment testing and emergency light testing at over 30 Greencore sites.



ISSUES FACED BY GREENCORE

Regional Facilities Manager, John Hughes who deals with the 17 Greencore "Direct to Store" sites within the group, originally contacted Guardian in 2021. John wanted to know if Guardian were able to conduct mains analysis at various sites within his division. He needed to know what spare capacity he would have on each installation if they were to have multiple EVSE units installed at each site. Installation of EVSE was crucial as they were moving over to a carbon-neutral fleet, and John needed to ensure that each site had sufficient spare capacity to power the EVSE units safely.

Greencore were already overseeing a project on feasibility but required further data. John wanted to know exactly how much spare capacity each installation had, which would enable him to work out the exact number of EVSE units they were able to install within each site. The 17 sites ranged in size, from small 10-van depots to large 80-van depots, with no two being the same. The existing electrical reports John held for each site were soon identified as a major concern, as the paperwork was often outdated. As the installations had been altered and upgraded over the years, much of the paperwork was not updated, therefore did not reflect the current electrical system.

I was impressed by the professionalism and expertise of Guardian Electrical in conducting mains analysis for several Greencore sites that I oversee. Guardian Electrical is a leader in electrical safety and has been providing reliable fixed-wire testing for more than 30 Greencore sites across the UK. When I needed to assess the spare capacity and efficiency of the electrical systems at my sites, I contacted Matt Gilmore, one of Guardian's Technical Contract Managers. He was very helpful and designed a customised program of works for me. Mains analysis was not a common service that Guardian offered, but they were willing to take on the challenge and deliver high-quality results.

Regional Facilities Manager, John Hughes



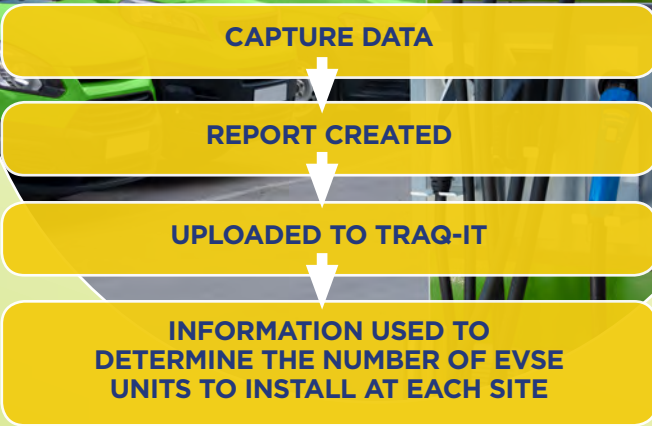
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GUARDIAN PROPOSAL & TESTING METHODOLOGY

Guardian's Technical Contracts Manager, Matt Gilmore suggested that we capture a week's worth of data for each Greencore site, this data included current usage and power consumption. At the end of the week, a report would then be created for each site, detailing the balancing of phases, harmonic distortion, power factor correction and most importantly, the installations consumption and capacity. The transformer and main switch would be reviewed, which meant a supply capacity could be added to the report with ease.

Upon completion of the analysis on-site, John was emailed the report and a copy was also uploaded to his TraQ-it website. TraQ-it is Guardian's own unique reporting website which enables any duty holder to access any of their electrical safety records in one place, at any time. Greencore's TraQ-it website now includes their mains analysis reports as well as any other electrical reports they have had completed previously.

GUARDIAN'S EVSE FEASIBILITY PROCESS



OUTCOME

Out of the 17 sites John looks after, Guardian were able to undertake mains analysis at 15 in total. Once the results were made available on TraQ-it, individual reports could then be downloaded instantly, giving John a detailed overview of each Greencore site tested.

Matt performed the mains analysis himself over a week, using advanced equipment and techniques. He measured the power factor, harmonic distortion and balancing of phases, which are all important factors for optimising the electrical system. He then compiled detailed reports with the data he collected and uploaded them to my online account on TraQ-it. This made it easy for me to access all my electrical records anytime and anywhere, especially when I had to visit multiple sites in a day.

*John Hughes
Regional Facilities Manager,*

TESTING PROGRAM COMPLETE ON-SITE

RESULTS UPLOADED TO BACK OFFICE

QA INSPECTION COMPLETE

UPLOAD TO TRAQ-IT

The data provided gave John the ability to make informed choices on the number of EVSE that each site could have installed. The largest site John looked after was over 160,000 sqft, which held a spare capacity of 850amps, giving him the option to have 26 units installed if needed.

However, one of John's smallest sites held a spare capacity of 17amps, this would not be enough to power just one 32amp EVSE unit, meaning upgrades would be needed. Although this wasn't an ideal scenario for John, in terms of electrical safety, it further confirms the importance of mains analysis testing.

I am very grateful to Matt and Guardian Electrical for their excellent service and support. They went above and beyond my expectations and provided me with valuable information that will help me improve the electrical performance and safety at my sites.

*John Hughes
Regional Facilities Manager*

John, the Dutyholder, has now been given a full mains analysis report for each of the sites he is responsible for, which are stored on his TraQ-it site, free to view and download at any time he requires. John can now assess each site individually and produce an EVSE installation plan based on accurate data, thus minimising any potential dangers or issues in the future.

TRAQ-IT® - STAYING IN CONTROL



CONTROLLED RECORD KEEPING

Guardian's unique interactive website features include instant reporting, exporting capabilities, hierarchical permission levels, search and filter functionality. Its multi-site capability allows customers to view the electrical status of individual buildings.



TraQ-it ensures records are current, accurate and consolidated with a version history of all changes.



Upon completion of each stage of the programme, electrical testing data, electrical dangers notifications and network drawings are returned to the TraQ-it Department for quality assurance prior to uploading on your personalised site, all free of charge. To view a short video about TraQ-it, please scan the QR code

SOME OF OUR CLIENTS USING TRAQ-IT®



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ELECTRICAL COMPLIANCE

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