

## Case Study

# Sellafield

### Background

Sellafield, formerly known as Windscale, is a large multi-function nuclear site close to Seascale on the coast of Cumbria, England. As of August 2022, the primary activity includes nuclear decommissioning of legacy facilities, planned for completion by 2120.

At the end of 2019 the site had a visitors centre that was demolished, at this time all the power to site was lost. Richard, Reliability Engineer, was tasked to look for off-grid lighting while keeping to the company objectives of reaching sustainable goals.

### Challenge

Sellafield needed products that were off-grid and renewable. The site required fully mobile equipment. The suitable product footprint was a challenge as space availability varied.

Various options were required for specific tasks. All lights acquired had to meet sustainability objectives the business set out.

*I have purchased Prolectric's solar lighting equipment for use as a contingency when the regular network is offline / isolated for reasons such as cable failures, excavations etc.*

*There are now Prolectric Tower Lighting Units in use across the site, so we have a high level of confidence in both the Prolectric as a company and the products they produce, as well as the after sales service and support they provide.*

*In summary, I would have no hesitation in recommending Prolectric to any potential future customers as I have found them to be both amenable and professional to deal with and look forward to doing further business with them in the future.*

**Richard Thompson**  
Reliability Engineer –  
Infrastructure Utilities  
Sellafield Ltd



# The Solution

After meeting with Prolectric, Sellafield found our temporary lighting products to meet their needs.

At the beginning of 2020, the site received their first batch phase of temporary lighting consisting of Prolectric's ProLight Solar Tower Lights.

As the site requirements grew, Sellafield acquired Prolectric's

ProRXM Solar Tower Lights and ProTemp Temporary Solar Street Lights.

Sellafield is continually supported by Prolectric during their site decommissioning project which will continue for at least another 100 years.

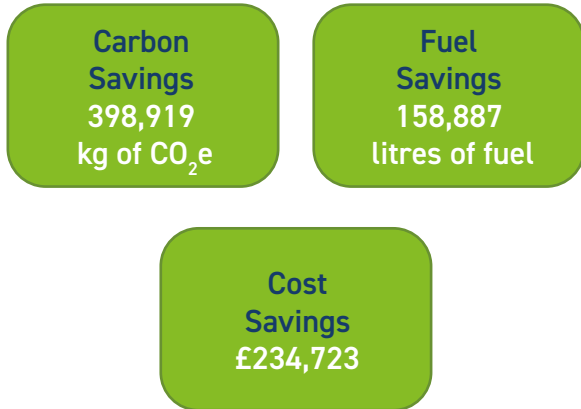
The products are promoted across the site to various partners to highlight the benefits of the lights.

# The Result

Sellafields' growing number of Prolectric Solar Tower Lighting Units across the business has had the added benefit of removing a large amount of diesel-powered equivalents from the site allowing greater compliance with their ongoing initiative to improve levels of sustainability for which their team has won praise from Senior Management.

Furthermore, it was noted that the Prolectric operations team dealt with site requirements promptly and were quick to assist with any site needs 24/7. Simultaneously, the sales team continue to be on hand to provide support, further assisting in site operational requirements and improvement of equipment, moving from diesel to solar.

The below results were taken from 1 January - 26 June 2024



## Why choose Prolectric?



**No Emissions**  
No fumes or greenhouse gas emissions.



**No Noise**  
Ideal for urban, residential or night time projects.



**No Refuelling**  
No fuel costs, spills or refuelling labour costs.



**Minimal Maintenance**  
Setup and forget technology.



**Advanced Technology**  
Remote control, monitoring and reporting capabilities.

