

## Case Study

# CLM Construction

### Background

Currall Lewis & Martin Construction (CLM) was selected as the main contractor by Sustrans to undertake the conversion of an old train line in Coventry into a walking and cycling pathway. With a focus on reducing carbon output, CLM expressed interest in exploring Prolectric's sustainable energy solutions, specifically the ProPower Solar Hybrid Generator and ProLight Solar Tower Lights.

### Challenge

Initially, CLM had concerns about the capability of the ProPower Solar Hybrid Generator to power cabins on the site. The challenge was to address these concerns and showcase the effectiveness of Prolectric's products in a similar site scenario. CLM also expressed a commitment to reducing carbon emissions, making the selection of sustainable and efficient solutions crucial.

Since the start of the 52-week hire period in July, the ProPower Solar Hybrid Generator engine only ran for around 16% of the time. This substantial reduction in generator usage translated to massive fuel savings and significantly lowered overall emissions on the site.

The overall site was powered by solar and battery alone, showcasing the effectiveness of Prolectric's products in providing sustainable and reliable energy solutions.

**Gary Quinton**  
Project Manager



# The Solution

Prolectric worked closely with CLM to address their concerns and provide effective solutions:

- Extensive Discussions and Presentations: Prolectric engaged in extensive discussions and presentations to address CLM's concerns about the ProPower's capability to power cabins. Telemetry reports from similar site scenarios were provided to demonstrate the reliability and efficiency of our system.
- Product Supply: Following the discussions and demonstrations, Prolectric supplied one ProPower Solar Hybrid Generator and two ProLight Solar Tower Lights, meeting CLM's requirements for the Coventry project.



# The Result

The collaboration between Prolectric and CLM resulted in significant positive outcomes:

- Massive Fuel and Emission Savings: Since the start of the 52-week hire period in July, the ProPower Solar Hybrid Generator only ran for around 16% of the time. This substantial reduction in generator usage translated to massive fuel savings and significantly lowered overall emissions on the site.
- Solar and Battery-Powered Site: The overall site was powered by solar and battery alone, showcasing the effectiveness of Prolectric's products in providing sustainable and reliable energy solutions.

## Why choose Prolectric?



**Reduced Emissions**  
Offers huge CO<sub>2</sub> emissions benefits vs traditional diesel generators.



**Reduced Noise**  
Ideal for urban or residential locations and night projects.



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



**Reduced Fuel Usage**  
The ProPower can cut fuel usage by up to 90%.



**Minimal Maintenance**  
Reduced generator run-time means less maintenance.