

Case Study

# QinetiQ Farnborough

**Background**

QinetiQ is one of the world's largest defence technology contractors. A solution was needed to significantly improve the lighting across their large headquarters site in Farnborough. There was a lack of quality lighting across the site for pedestrians and vehicles. The existing lighting was also high wattage but low quality.

**Challenge**

Digging trenches for new mains powered cabling to replace the failed circuits would have caused extensive disruption. It would also have been very costly. The new lighting solution should provide quality year-around lighting, be easy to deploy and cost effective to run. Ensuring that installation works had minimal environmental impact was also a major objective. The solution also needed to be environmentally sustainable and significantly help reduce carbon emissions.



**Zero Carbon**

Yearly carbon savings of 5,149kg of CO2 Vs mains lighting.



**No Mains Power**

No need for trenches, cabling or DNO connection.



**Low Installation Cost**

Over £300,000 saved on install costs Vs mains powered lighting.



**Low Cost**

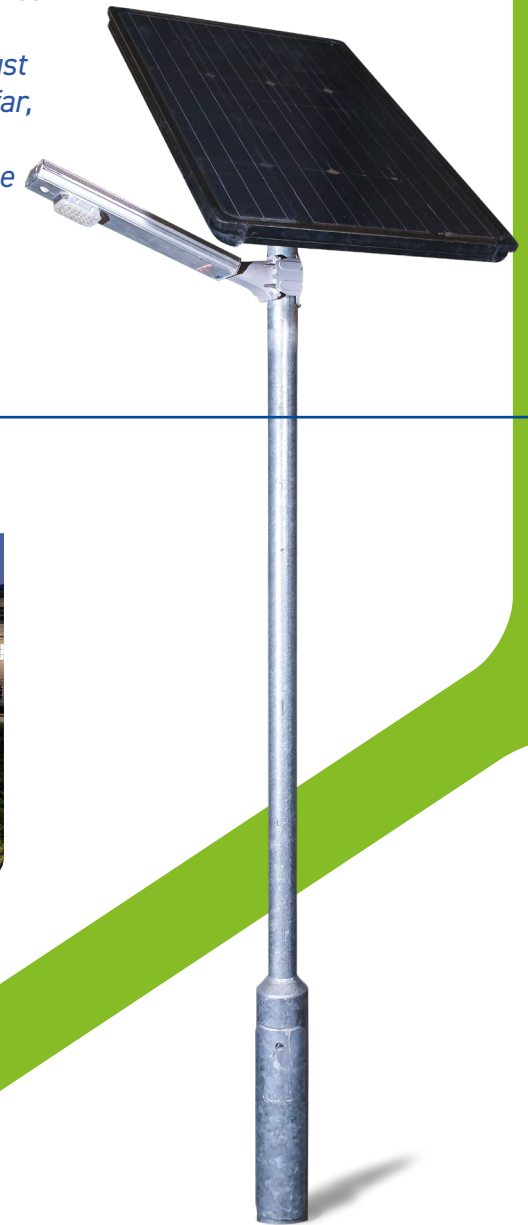
Yearly electricity cost savings of £7,750.

*QinetiQ has a target of becoming a Net-Zero company with ambitious near-term GHG emission reduction targets. To assist with this ambition, Prolectric assessed our lighting needs, developed a detailed site lighting plan and installed over 129 solar street lights and bollards at our Headquarters at Cody Technology Park. The new lights are bright and reliable, improving health and safety during the hours of darkness. The lighting is high quality and proving to be robust in harsh weathers. All lighting completed so far, has required minimal maintenance and the installation has been well received by both the company and our tenants alike.*

**Simon Homer**  
Project Manager



We were the first company in the UK to install solar-only permanent street-lights in 2011 and are now the market-leader with thousands of units installed on streets, car parks and footpaths across the country.



# The Solution

## Products — In Action

- After a site visit, Prolectric developed a full lighting design and proposal, ensuring the new site lighting would reach the British lighting standards.
- A total of 64 AE3 and AE6 solar street lights and 65 solar bollards were installed, across car parks and walkways - delivering a bright and reliable year-round lighting solution without noise, emissions and the need for mains power.
- Prolectric's expert, in-house, installation team carried out the work. It took only 3 weeks to complete and was done in accordance with QinetiQ's health and safety regulations.
- This project demonstrates how sustainable solar lighting delivers a year-round, commercially viable solution that can help towards reaching your sustainability targets.

## Products — Feature

- The Prolectric AE3 and AE6 are a high quality, year round, permanent solar powered LED street lights, with no need for mains electrical power.
- They can be fitted, or retro-fitted, easily, quickly and economically as there is no need to install cables or dig trenches.
- Fully solar powered - no carbon emissions, no noise, no electricity bills & less maintenance required.
- The AE3 and AE6 feature a smart controller and Passive Infra Red (PIR) sensor, ensuring the unit lasts from dusk to dawn - even throughout the darkest winter months.
- Our ST series bollards use the latest LED lights and battery optimisation technology, ensuring bright light for as long as needed.
- The vandal-resistant bollards have a polycarbonate domed head for strength and durability.

## AE3 Solar LED Street and Car Park Lighting

Year-round, permanent solar street lighting. Simple to install & no need for external electrical power.

- Zero carbon
- No mains power
- Low maintenance
- Quick installation and delivery service



## Why choose Prolectric?



**Zero Carbon**  
No fumes or greenhouse gas emissions.



**Zero Noise**  
Benefits for urban locations & night projects.



**Zero Fuel**  
No diesel costs, spills or refuelling.