prolectric™ SMART CLEAN TECHNOLOGY + QINETIQ

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 needed to provide quality year round 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.

Advanced Technology
'All in One' compact design

Battery Technology
Reliable performance all year round, even during winter.

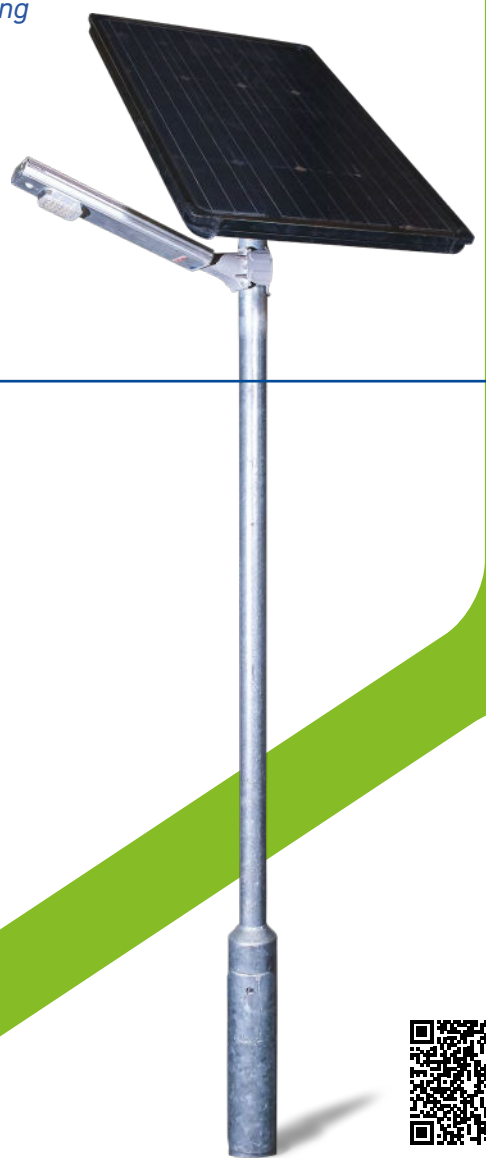
Cost Savings
Yearly electricity cost savings of £7,750 and over £300,000 saved on install costs.

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.



Case Study QinetiQ - Farnborough

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Permanent Solar Lighting Solution

Case Study QinetiQ - Farnborough

The Solution

Products — In Action

- After a site visit, we 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.
- Our 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 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 and minimal 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 and no need for external electrical power.

- **No carbon emissions**
- **No mains power**
- **Low maintenance**
- **Quick installation and delivery service**
- **No on-going energy costs**

Why choose Prolectric?

Lighting Designs
Custom lighting designs available, meeting British Lighting Standards.

No Mains Power
No need for trenches or cabling, external electricity or a DNO connection.

5-Year Guarantee
Cover on all parts of the lights and solar panel.

Low Cost
Installation costs are halved and no on-going running costs.

3-PIR Sensors
The only light offering detection for a wider range of motion.

THE QUEEN'S AWARDS FOR ENTERPRISE: SUSTAINABLE DEVELOPMENT 2021

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