



Client: Milton Keynes City Council
Location: Redways, Milton Keynes City
Application: SolarLite Path (P) Stud

Case Study: Lighting the Way for a Safer, Smarter, Greener Milton Keynes

Overview

Milton Keynes City Council, in partnership with Clearview Intelligence, delivered one of the UK's most ambitious active travel lighting schemes. Funded through Milton Keynes' Bus Service Improvement Plan (BSIP), the project saw the installation of over 4,000 SolarLite Path Studs/lights across more than 40 key locations. This targeted, data-led deployment transformed the Redway network, improving safety, sustainability and inclusivity by connecting bus stops, housing estates and active travel routes throughout the city.

The Challenge

Many walking and cycling corridors in Milton Keynes historically lacked consistent low-level lighting, particularly during winter. Sections of the Redways network felt unsafe or were difficult to navigate, reducing their year-round use. While parts of the city's "Super Routes" received LED upgrades, large stretches remained poorly lit due to maintenance issues and budget constraints.

Expanding conventional street lighting was not viable so the council needed a solution to enhance night-time safety and accessibility while meeting environmental and sustainability objectives.

The Solution

The SolarLite Path Stud, specifically built for pedestrian and cycle environments, offers:

- 100% solar-powered operation (8 days stored energy)
- Automatic dusk-to-dawn illumination without grid electricity
- Staggered placement at 3m intervals for intuitive guidance
- Subtle design protecting wildlife and green corridors

Targeted site selection ensures investment is prioritised where safety challenges are greatest and sustainable travel uptake is most likely.

Conclusion

By combining innovation, sustainability, and social value, Milton Keynes City Council and Clearview Intelligence demonstrate how solar-powered technology can deliver meaningful environmental, social, and transport benefits. The project makes public spaces safer, greener, and more inclusive.

The project stands out as a winner of the Best Technology and Innovation Award at the Milton Keynes Business Awards and a Finalist for Best Local Transport Project at the Decarbonisation Awards, underscoring its position as a leading example of active travel innovation and sustainable infrastructure delivery.

Recognition for this project:

Milton Keynes Business Awards: Business of the Year – **Winner**

Milton Keynes Business Awards: Innovation & Technology – **Winner**

Decarbonisation Awards: (sponsored by Local Transport Today): **Finalist** Best Local Transport Project



From Dawn to Dusk

Impact & Benefits

Safety & Accessibility: Enables safe, year-round walking and cycling, improving visibility, confidence, and inclusion while supporting "first and last mile" connections to bus stops.

Outcomes & Impact: Feedback has been highly positive on-site and across social media delivering measurable and perceived safety benefits.

Environmental & Carbon Savings: Eliminates energy use, cabling, trenching and ongoing maintenance emissions, supporting Milton Keynes' carbon neutrality goals.

Scalability & Innovation: The off-grid, low-impact solution is replicable across parks, towpaths, campuses, and shared-use paths nationwide, demonstrating a scalable model for sustainable active travel infrastructure.

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SolarLite is a Clearview Intelligence Company