



Solar Signage Go Outdoors

Case Study

Since 1978





Marlec Engineering is the UK's longest-established renewable energy company, manufacturing wind and solar solutions for off-grid power.

Since 1978, our systems have provided reliable, sustainable energy for Railways, Highways, Utilities, Telecoms, and Marine & Leisure industries. Our solar signage solutions are designed for durability, efficiency, and ease of installation.

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Solar Signage-Go Outdoors

Case Study



Go Outdoors is the UK's largest outdoor retailer, specialising in camping, sporting goods, and outdoor equipment.

As part of a sustainability initiative, they required a solar-powered signage solution for a new retail park, installed in partnership with Sapphire.

Client need

- Reliable and maintenance-free system.
- Compatibility with Sapphire's chosen LED technology.
- Custom illumination timing to match store hours.
- Fully off-grid to reflect environmental commitment.
- Easy and disruption-free installation.

Before



Challenges Faced

- The retail park was newly developed, requiring minimal installation impact.
- The signage needed precise timing control for illumination.
- The year-round operation was essential, regardless of weather conditions.

Solution

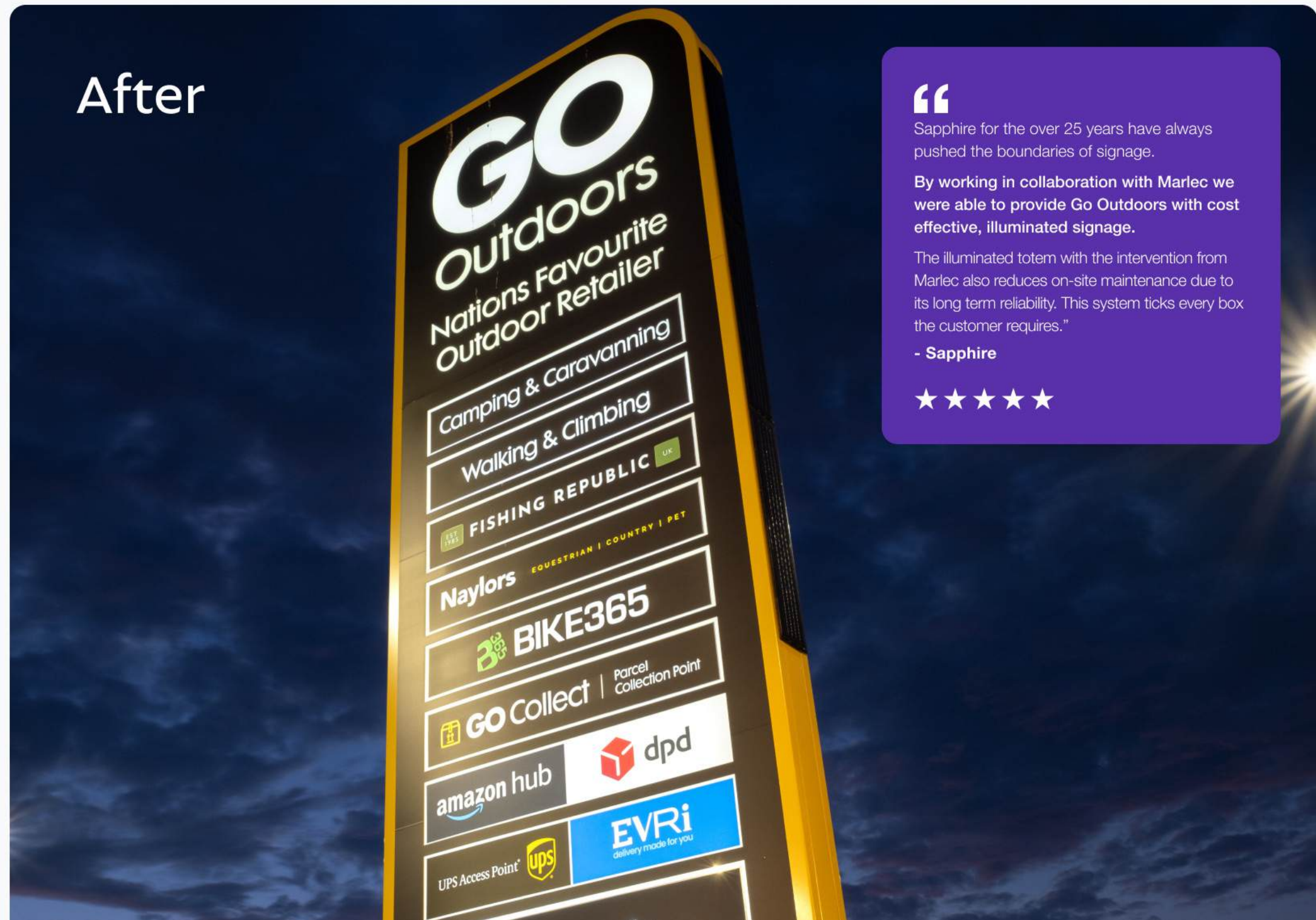
Marlec provided an easy-to-install, fully off-grid solar signage system, ensuring continuous illumination throughout the year. The system incorporated:

- **LC101 Controller** – A plug-and-play, intelligent system allowing full customisation of lighting schedules.
- **Semi-Flexible Solar Panels** – Installed on the sides and top of the totem for maximum energy capture.
- **High-Quality AGM Batteries** – Providing reliable energy storage.
- **IP-65 Rated Cabling** – Ensuring durability and water resistance.
- **Quick Installation** – Achieved with pre-configured, plug-and-play cables, reducing disruption at the retail park.

This cost-effective solution eliminated the need for grid connection, reducing both installation costs and long-term maintenance.

The Results

- Two fully solar-powered totem signs were installed, operating year-round.
- Custom illumination schedules optimised for store hours.
- A scalable solution now gaining popularity among signage manufacturers for its efficiency and ease of deployment.



After

“

Sapphire for the over 25 years have always pushed the boundaries of signage.

By working in collaboration with Marlec we were able to provide Go Outdoors with cost effective, illuminated signage.

The illuminated totem with the intervention from Marlec also reduces on-site maintenance due to its long term reliability. This system ticks every box the customer requires.”

- Sapphire

★★★★★

Marlec Services

Marlec's Green Systems team specialises in off-grid renewable energy solutions across multiple industries, including transport, utilities, and signage.

With thousands of systems in operation worldwide, we provide expert design, installation, and ongoing support.



Discover how Marlec's solar signage solutions can enhance your sustainability efforts.

Get in touch today

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