

Smarter Roads Greener Future

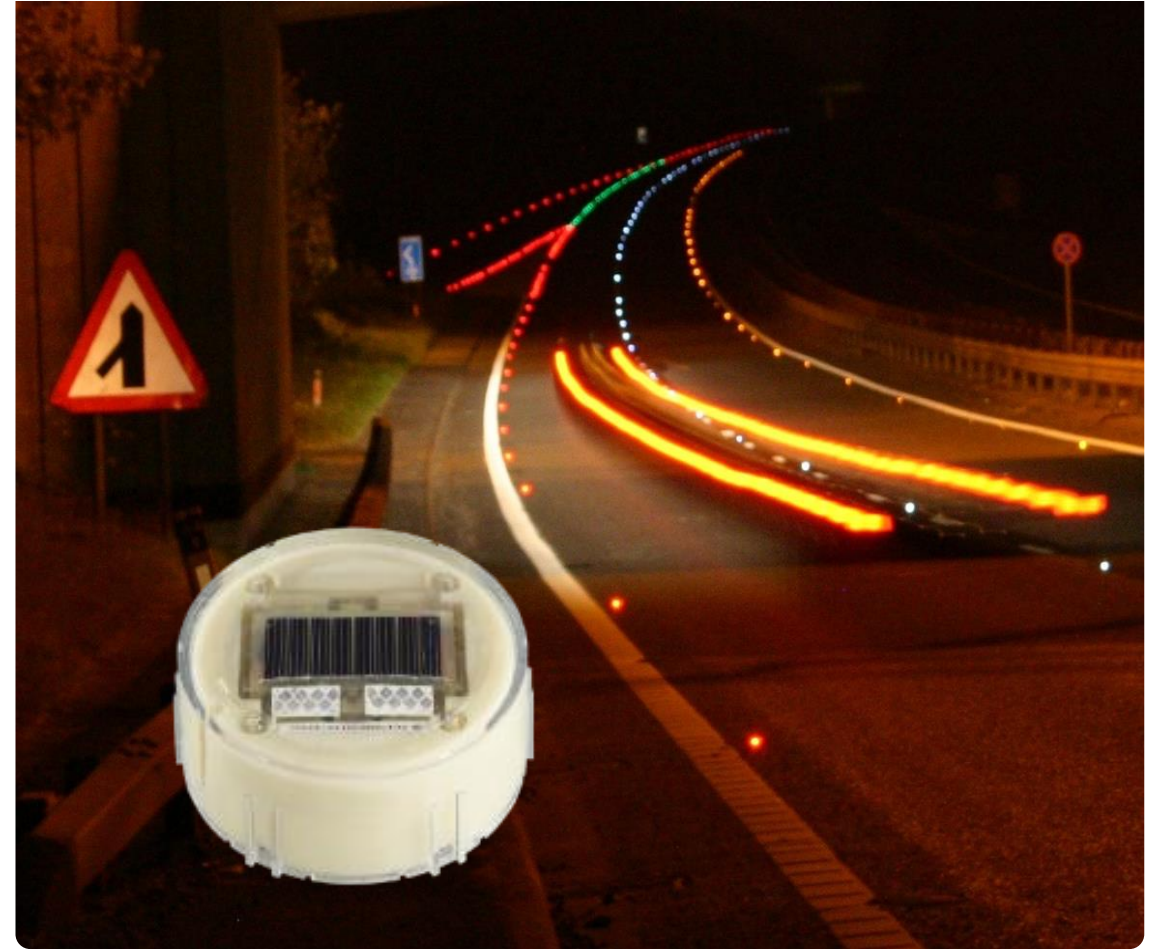
**CARBON
REDUCTION
SOLUTION**

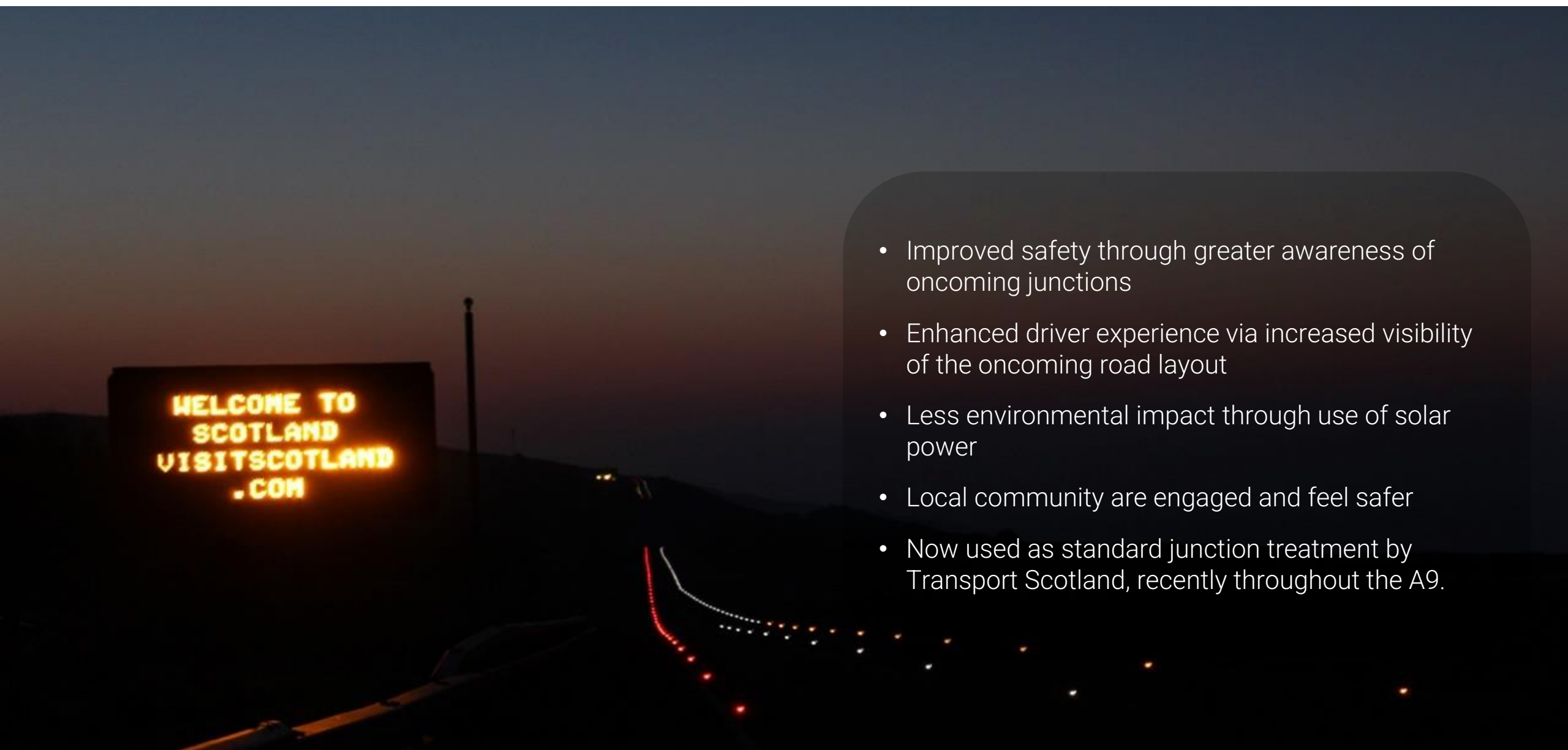
**LOWER
NETWORK
COSTS**

**MINIMISE
LIGHT
POLLUTION**

SolarLite

- Superior road distance visibility – up to 900m
- Reliable all night, all year-round performance
- Lower lifetime costs than traditional road markings & streetlighting
- Superior visibility even in poor weather conditions
- Enhances driving experience, making drivers feel safer and more able to travel at night



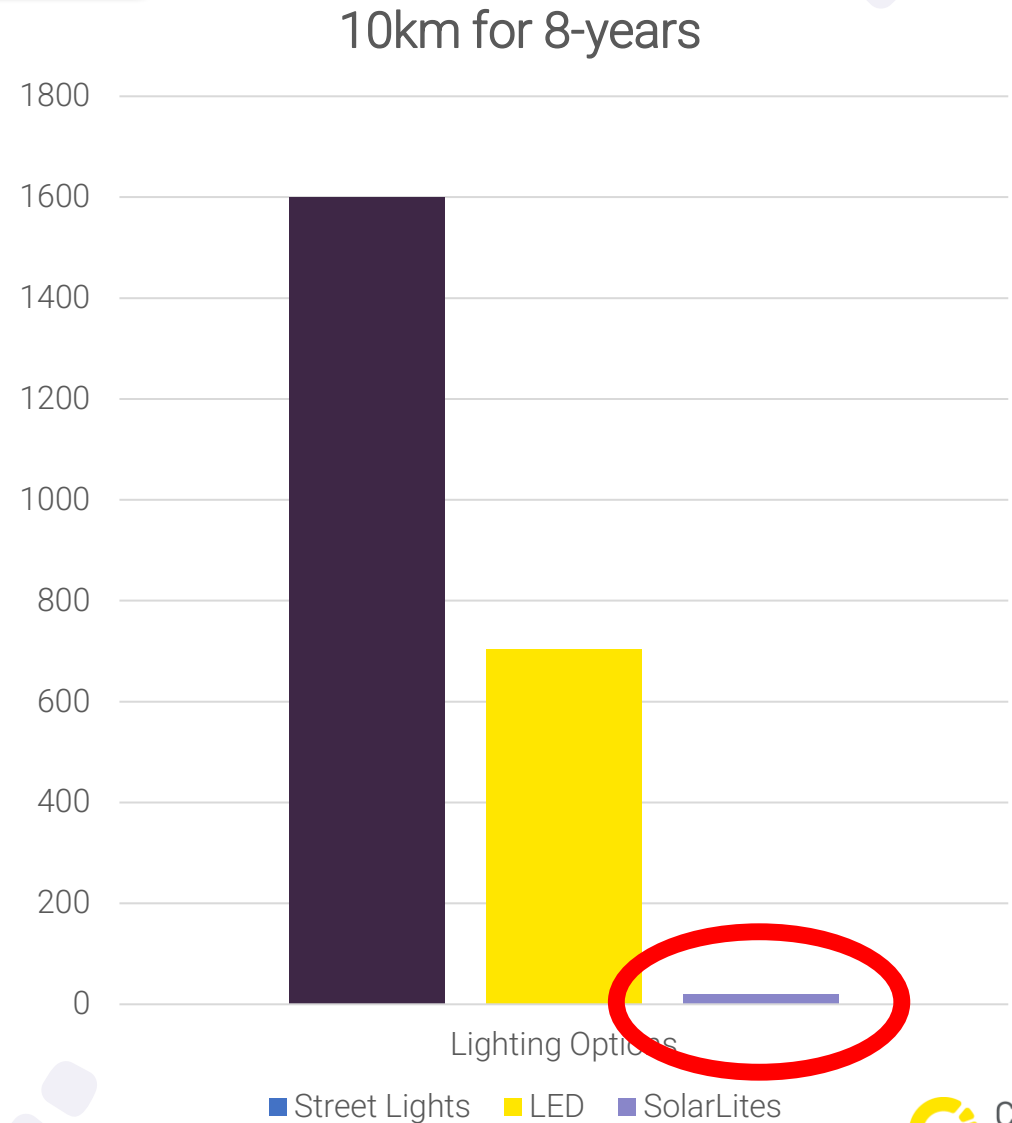


- Improved safety through greater awareness of oncoming junctions
- Enhanced driver experience via increased visibility of the oncoming road layout
- Less environmental impact through use of solar power
- Local community are engaged and feel safer
- Now used as standard junction treatment by Transport Scotland, recently throughout the A9.

Net Zero

Consider a 10km stretch of road, over an 8-year period...

- Standard Street lights (carbon running)
 - 20 tonnes per annum / km
 - 10km
 - 8-years
 - $20 \times 10 \times 8 = 1,600$ tonnes
- LED Street Lights (carbon running)
 - 8.8 tonnes per annum / km
 - 10km
 - 8-years
 - $8.8 \times 10 \times 8 = 704$ tonnes
- SolarLite studs (carbon manufacture)
 - 400 studs per km
 - 10km
 - 8-years
 - $2 \times 10 = 20$ tonnes



*2 tonnes to manufacture 400 studs, no emissions from operations

Net Zero



Make The Switch



50% Whole Life
Carbon Reduction!

*based on early Live Labs carbon mapping data over a 40 year term

SolarLite Evolution

Design

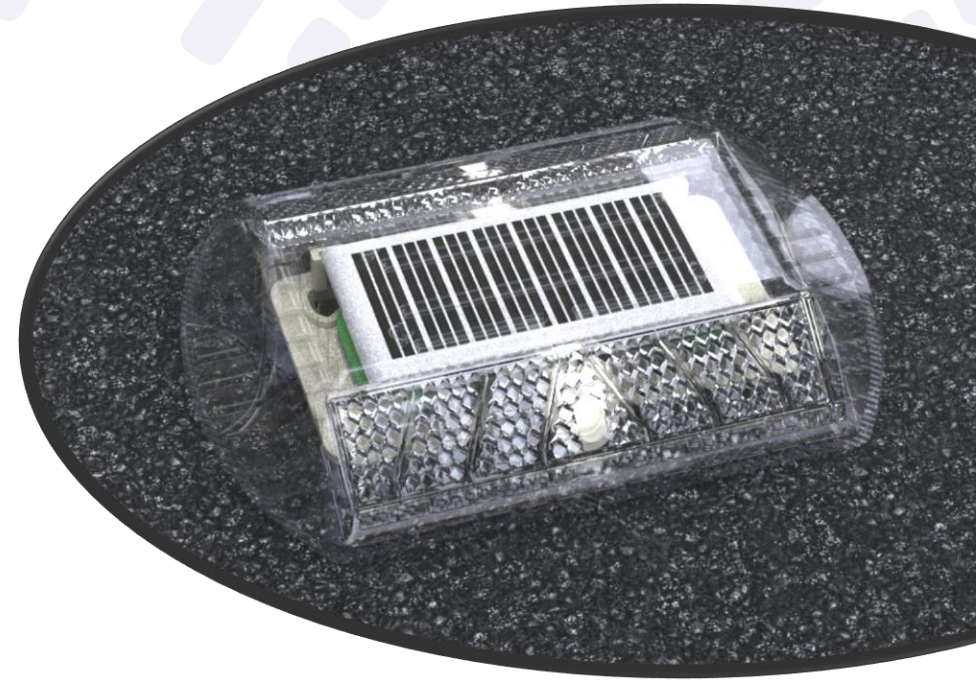
- Innovative ultrasonic welding
- **40%** reduction in potting material

Build

- Investment in automation
- **400%** increase in daily output

Install

- **100%** increase install rate per shift
- **50%** reduction in traffic management and network disruption



SolarLite Surface

Surface mounted Solar powered stud, even lower carbon solution!

Smarter Roads Greener Future

**CARBON
REDUCTION
SOLUTION**

**LOWER
NETWORK
COSTS**

**MINIMISE
LIGHT
POLLUTION**

Make the 'switch' off!

