

# Leaffield Environmental Ltd.

## Cycle Lane Separator (CLS) Standard Range

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# Leaffield Highways

## Business Overview

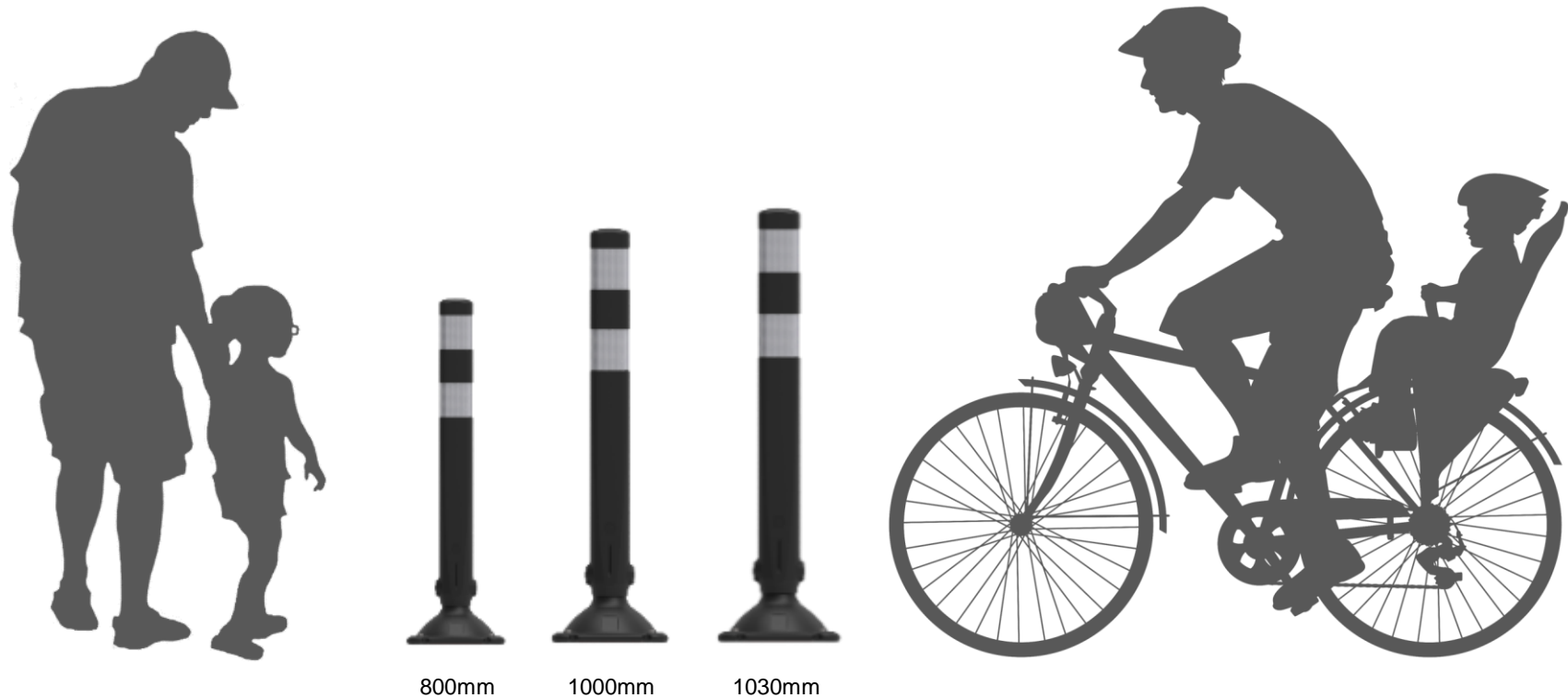
- Designing and manufacturing highway products 20 years
  - Experts in rotational moulding technology
  - Registered ISO9001, EMS14001, OHSAS 18001
- Located in Corsham, Wiltshire:
  - c.£6.5 million turnover
  - c. 60 people employed (85 % locally based)
  - Integrated manufacturing unit (design through to manufacturing & logistics to end customer)
  - Closed Loop recycling on site for plastics
  - Supply into street, highways & agricultural markets

# Cycle Lane Separator (CLS) Bollard

- Flexible bollard base with rigid bollard stem to allow drive over
- Available in three height options 800mm, 1000mm & 1030mm
- Two recessed areas for 360-degree RA2 Reflective bands
- Flexible passively safe self-righting Night Owl proven base system
  - Speciality Reflex™ base material with MDPE upper post
- Two-piece manufacture to allow quick top section change
- Walking and Cycling signage option to top of bollard stem
- Designed and manufactured in the South West of England minimising carbon footprint
- Drive-over tested to 72mph
- Designed in accordance with BS EN 12767:2007 70 NE4
- Bounce-back base dimensions: 320mm x 320mm
- Chemical resin anchor installation recommended (4-point base fixing)



# CLS Range – 3 Height Options (800, 1000 or 1030mm)



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# CLS Bollard

\***Two-piece** composition means should the bollard top be vandalised or removed, a replacement can be quickly put on the existing, very resilient base unit, meaning **no new groundworks are required**.



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# Assembly of Bollard stem to base



**1. Apply WD 40 to the screw thread if required**



**2. Screw on the bollard top until it is fully home**



**3. Bollard shown in the correct position with the ribs facing the front and back of the bollard base**



**4. Insert the M8 x 100mm socket head cap screw and washer**



**5. Align the screw with the brass insert on the other side of the bollard and screw in place**



**6. Tighten the screw but do not over tighten**

## Assembly of Bollard stem to base (2)



**7. View showing the screw thread in the brass insert**



**8. Insert the two tube bungs**



**9. Push the bungs home until slightly sub flush**



# CLS Bollard with Walking and Cycling Signage



**1030mm high option**

100mm diameter sign face



**800mm high option**

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## In situ photo – Mina Road, Bristol (CLS 1030mm Bollard)



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## In situ photos – Chester Lane, St Helens (CLS 1030mm Bollard)



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## In situ photo – Dale Street, Liverpool (CLS 1030mm Bollard)



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## In situ photos – Wakefield Road, Bradford (CLS 1030mm Bollard)



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## In situ photo – A47, Birmingham (CLS 800mm Bollard)



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## In situ photos – Runcorn, Halton BC (CLS 1030mm Bollard)



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# Leaffield Highways customer examples :

**Balfour Beatty**



**Blackpool Council**

**SKANSKA**

**Sainsbury's**



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