

# Our clients / Key Projects

**Cardiff County Council:** Installation of Automatic & Fixed Terrorist bollard system throughout Cardiff City Centre for the Olympics Games



VMS signage – A4232 and A48.

Large concrete Sub Structures – A4232 and A48

Fibre link installation at Cardiff Central and Queen Street Railway Stations

7km microduct installation using slot cut technology - A48 Eastern Way highway into Cardiff

Microfibre installation covering Rover Way and Cowbridge Road East, Cardiff PGI Sign base construction and installation

Ducting Construction, Road Repair, Paving, Kerbing, Bus Bays, Laybys

CCTV Duct and cable lay, for Council Car Parks locations across, Cardiff



### SPIE – WHS

### Cardiff City Stadium entrance to Sports Village – Porth Teiger

Telematic Civils works on A4232 in connection with the new International Sports Village & retail park situated in Cardiff Bay. Scope of works included construction of Vehicle Matrix Signal bases, retaining walls, traffic control cabinets, maintenance laybys, new footpaths, fibre optic ducting and associated chambers.



Works with SPIE-WHS LTD include the new Leckwith Stadium & Retail Park, and Cardiff City Stadium work includes communication systems including fibre splicing & testing, jointing chambers & inspection pits, duct laying, reinforced concrete bases, civils to accommodate safe parking areas – retaining walls & laybys, footpaths & kerbing.



Porth Teiger Drama Village, Roath Basin, Cardiff – Telematic structures and trench work construction.  
Telematic microduct installation for new Leckwith Stadium and Cardiff City Stadium  
VMS Sign cabling & ducting for new 'Park & Ride' Scheme from A 48 to J33 of M4 (Cardiff Gate)  
Bute Town Tunnels, Cardiff - Repair & Maintenance  
Telematic Ducting and Layby Construction (International Sports Village, Cardiff)

## **Butetown Tunnel VMS System & Maintenance**



The Butetown Link Tunnel in Cardiff is approximately 700m long, has two bores and forms part of the Cardiff peripheral. Distributor Road network which feeds the Cardiff Bay area and connects with the M4 via the A4232 link road. The tunnel is operated by Cardiff City Council via the Urban Traffic Control System, located at County Hall in Cardiff.

The VMS System implemented sign plans, which request the setting of individual signs with in the tunnel and the approaches. The selection of sign plans is based on actual road conditions in terms of traffic flow, incidents, maintenance and other activities.



A full turnkey service for camera signs and lighting apparatus including full civils (base access, walling and service Laybys.) Full comms including trenching, ducting, cable pulling and termination pole collection delivery, erection and commissioning.

#### **Clients have included:**

**SPIE-WHS Ltd**  
**Cardiff County Council**  
**Highways Agency, Laing O'Rourkes**  
**CK Communication**

#### **REFERENCE**

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## Slot Cut / Micro Duct Installation Summary:

This is an alternative way of laying cables on established Roads.

The cutter moves steadily down the road.



The slot width is set by the correct selection of diamond wheels.

Immediately prior to installation of the cable, the slot is thoroughly cleaned using a pressurized water jet in order to remove all debris from the slot.



The remaining depth of the slot shall be filled with hot poured bitumen to the level of the surface. The bitumen shall be to a specification agreed with the highway manager, but shall also comply with BS EN 12591: 2000. (Bitumen and bituminous binders. Specifications for paving grade bitumen)

### All traditional methods of ducting undertaken:

- Telecommunications
- Gas
- Electric
- Water