

Olympic Park, London

Our Services

- Gas Protection Measures Design
- Working Platform Design
- Risk Assessment
- Site Investigation Data Evaluation



CGL's contribution to the Olympic Park

CGL has had input into elements of the construction of the Olympic Park, including the enabling infrastructure and within some of the prestigious buildings. This work will help safeguard the public from some of the more hazardous legacies that have been uncovered as a result of the site's former uses.

Electrical infrastructure

The layout of the project required the removal of the pylons that formerly crossed the site. In addition, the electrical infrastructure needed upgrading to cater for the demands of the Olympic Games.

Soft and variable ground conditions presented a risk to the contractor dismantling the pylons, who wanted confidence that he could locate the cranes required for this operation on a stable platform. **CGL's** engineers reviewed the extensive investigation data available for the site and developed designs for the contractor to form supports for the cranes during this potentially hazardous operation.

CGL were also appointed to provide advice on ventilation and protection measures for a major electrical substation serving the park. This included using risk assessment methods to derive conclusions as to the effectiveness of the intrinsic ventilation to disperse any soil gases that could potentially enter the structure.

Building protection

For one of the showcase stadiums, **CGL** was appointed to undertake a review of available gas monitoring data, and to design the gas protection measures required for one of the main sporting venues. The sports stadium sits under a saddle-shaped roof and incorporates basement areas and a tunnel to the track circuit. **CGL** designed measures located within the floor-slab and basement construction to disperse residual soil gases that could potentially accumulate beneath the structure.

CGL is proud to have been able to use its leading edge skills on this prestigious site, contributing to transforming a derelict area to a state of the art sporting facility under a tight programme.