

**Sustainable Redevelopment of
 Former RAF Base, West London**



WDE Consulting was appointed by the developer to manage the contamination, environmental and waste issues associated with the redevelopment of a former RAF base in West London. When operational, the site stored ~100,000 gallons of diesel that was used to generate electricity for the facility. The site was left with all of the above ground buildings and structures in place.

WDE Scope of Works:

- Targeted Site Assessment
- Detailed Quantitative Risk Assessment
- Waste Strategy and SWMP
- Remedial Options Appraisal and Strategy
- Material Management Plan (CLAIRE Code of Practice)
- Verification of Remedial Works
- Environmental Monitoring
- Discharge of Planning Conditions

Demolition works commenced in 2010 and construction work is due to be completed in 2020, whereon @770 new residential homes and open spaces will have been built. The site lies on a principle superficial aquifer (gravels) within a mainly residential area.

WDE worked with the client and contractors to implement a zero-waste strategy throughout the programme. This resulted in ~99.8% of all materials either being reused or recycled during the demolition phase.

A target of 95% is in place for the remainder of the construction phase. Crushed aggregates were retained for reuse on site. Site won soils generated from the construction phase were stockpiled for reuse on site as appropriate.

Ground investigations identified there to be a plume of hydrocarbon impact in the sol and groundwater measuring ~30,000m³. Sustainable remedial options were selected to enable the on-site treatment and reuse of the remediated materials.