



Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Case Study: Swansea SA1 Redevelopment

Client: Coastal Housing

Delivery Period: 2014

Principal Staff and Points of Contact:

- Danilo Bettosi, Operations Manager
- John Campbell, Director

Project Description and Overview:

ESP were engaged to provide ground investigation services to classify geology, assessment of contamination and geotechnical design services for a large (1Ha) social housing development, with the works comprising:

- Field engineer supervision.
- Specialist Unexploded Ordnance advice.
- Borehole and trial pit logging.
- Contamination Risk Assessment.
- Ground gas Risk Assessment.
- Geotechnical Design.
- Interpretive reporting and recommendations.

Services Provided:

- Ground investigation.
- Interpretive reporting.
- Identification of source, pathway, receptor relationships.
- Provision of ground gas protection measures.
- Identification of suitable foundations techniques and geotechnical design parameters.

Outcomes:

Through detailed liaison with the client, sub-contractors, site occupiers and major stakeholders (WAG), ESP provided ground investigation services for a large social housing scheme to be completed as part of the wider redevelopment of the Swansea SA1 area.



Key skills

- Site Investigation
- Specialist UXO supervision
- Geological Assessment
- Field engineer support
- Borehole and trial pit logging
- Field monitoring
- Geotechnical design