

Description

- ◆ Langage Energy Park is a major strategic employment development site in the South West region. This high profile site in terms of location and size offers the flexibility to accommodate a wide range of employment interests
- ◆ The Langage Energy Park Administration and Support building is a 3-storey 3,800 m² steel frame building for Centrica
- ◆ Over 1,500m² of offices, kitchen, WC and circulation space; 900m² of storage area; 580m² of workshop space including welding workshops, control and instrumentation workshops, electrical workshops, machine areas and general workshop space, in addition to plant space, visitors space and reception
- ◆ We undertook the complete detailed design of the mechanical and electrical services.



Administration and Support Buildings to support the £10m Langage Energy Park in the South West of England



Involvement

- ◆ Careful design of infrastructure to suit a site with high fault current levels. Co-ordinate and arrange incoming mains electric, gas, water and communications provision for this building and adjacent water treatment building taking into consideration the wider development plans for the site
- ◆ Zonal controls and metering were included to suit the proposed tenancy of uses of the space
- ◆ The facade of the building was engineered to model natural ventilation strategies
- ◆ Lighting controls incorporate daylight dimming and zonal control of lighting incorporating user interfaces together with automatic control systems
- ◆ Background and local exhaust ventilation was provided in the workshops to meet health and safety requirements including dust extract systems and fume extraction provision
- ◆ 110V power distribution throughout the workshops
- ◆ All heated areas were provided with local zone controls to enable each occupier to adjust occupancy times
- ◆ Highly services communications centre with duplicate supplies and conditioning plant with leak detection and gas suppression and full IT distribution throughout
- ◆ Public address systems throughout in addition to access control, security CCTV, disabled refuge and alarms.

Benefits Delivered

- ◆ Active participants in design team meetings and in discussions with regards to sustainability, building regulations, accessibility, BREEAM, value and risk delivered the finally agreed solutions in a clear and coherent manner within a detailed set of design documents for Constructor implementation
- ◆ Co-ordination of end user workshops requirements to ensure layout.