



*A £5m office development with reception space, social area and kitchen, meeting rooms, training rooms and interview space, group rooms, cellular offices, server room and plant space*

### Description

- ◆ Detailed design of the mechanical and electrical engineering services for the £5m, 3-storey, 1,700m<sup>2</sup> office building.
- ◆ The facilities included open plan office space, reception space, social area and kitchen, meeting rooms, training and interview rooms, group rooms, cellular offices, server room and plant space.

### Involvement

- ◆ Obtain utilities mapping information to assess necessary services diversions to accommodate the building footprint, load assessment and arrangement of incoming utility supplies.
- ◆ Undertook thermal and daylight modelling to provide strategic advice in relation to the building form, fabric and orientation.
- ◆ Incorporation of renewable energy sources, including biomass boiler and solar thermal systems.
- ◆ Ultra-low carbon development.
- ◆ Detailed design of the engineering services installation, IT provision, BMS, security and CCTV
- ◆ Design of external lighting to car park provision and to satisfy planning conditions.

### Benefits Delivered

- ◆ Designed to achieve BREEAM Very Good.
- ◆ The full scheme was focused on providing a low energy scheme with a resulting in a reduction in a 53% reduction in carbon footprint beyond the requirements of part L Building Regulations.
- ◆ Worked collaboratively as a part of an integrated design team providing our low carbon and building environmental expertise in order to deliver a sustainable building and realise a very good BREEAM rating demonstrating environmentally friendly options for both the design and on-going operation of the building.