



*The £2m refurbishment of an 8 storey Physics Building to a standard reflecting a top 10 teaching and research facility*



### Description

- ◆ Creation of academic offices, post-doctoral, PhD space, research and seminar rooms and provision of experimental research spaces
- ◆ Concept and briefing meetings held with the University's technical team during early design stage to establish exact end-user requirements
- ◆ Prompt delivery of tender documentation to allow tender process and Contractor selection for a summer shut-down refurbishment programme
- ◆ Technical challenges included LED lighting in areas where future maintenance would be problematic, aspirated fire alarm detection within inaccessible ceilings and high density structured wiring for voice and data communications
- ◆ Provision of feature and decorative lighting were specified to enhance 'Look and Feel'
- ◆ Compact fluorescent lamps – DSI ballasts - daylight dimming adjacent windows supplemented with automatic occupancy sensing with manual over-ride
- ◆ Recessed down-lights within corridors and WC areas
- ◆ 600x600 recessed modular lighting with direct/indirect diffusers within office and teaching spaces.

### Involvement

- ◆ Detailed design of building mechanical and electrical engineering services including full production of detailed design information.

### Benefits Delivered

- ◆ Fully coordinated M&E design
- ◆ Co-ordination of specialist engineering equipment, specialist laboratory equipment, and specialist ICT services.