

## Elizabeth II Court, UK

### The challenge

- To work with buildings which suffered from a poor internal environment and an aggressive external presence.
- To refurbish and extend the existing facilities to create ~12,000m<sup>2</sup> of low-energy, highly sustainable office accommodation.
- To expand the office area, providing a 200 seat auditorium, large meeting room suite, cafe, restaurant, kitchen facilities and data centre.
- To create external works providing two landscaped courtyards.
- To achieve a deep cut in energy use - targeting a challenging operational emission rating of 25-30 kg CO<sub>2</sub>/m<sup>2</sup>/annum (compared to 100 kg CO<sub>2</sub>/m<sup>2</sup>/annum for the existing building).

### The solution

- High-performance facades incorporating extensive solar shading form part of the innovative energy efficient and low carbon strategy.
- Engineered natural ventilation, use of thermal mass through the exposure of concrete coffer slabs.
- Heat recovery from the onsite data centre and numerous other sustainable technologies.
- Increase the buildings capacity to 775 work stations (formerly 650 work stations).
- Adoption of new flexible working practices allowing the Council to base over 1,000 staff at the building, providing rationalisation of other office tenures around the county.

### Added value

- In our central role as cost manager we helped ensure that all innovation was checked and balanced.
- Elizabeth II Court is a shining example of the cost manager helping to drive and steer the decision making of the design team.
- Projects that seek to push the envelope require extra effort to ensure that all the sums really do add up.



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