

CASE STUDY

NEW CAPITAL QUAY, GREENWICH, LONDON
RESIDENTIAL / MIXED USE



fire design solutions



Award-winning fire safety system design and installation contractors Fire Design Solutions (FDS) has completed work on one of London's most prestigious large scale residential projects.

Working with developer Galliard Construction, FDS provided the design and installation of a number of smoke venting systems, including the pioneering Firesmart intelligent control system, across the Greenwich development.

Unusually for a development of this size, the project was not delivered in phases – meaning that FDS had to deliver across all 12 blocks within the same tight timescale.

FDS was tasked with designing, supplying, installing and commissioning mechanical smoke venting systems within each block, along with corridor environmental systems that alleviate the common corridor overheating issue.

The BS 5839 compliant 'FireSmart' control panel system installed as part of the project provided a great deal of flexibility and simpler installation for the FDS team on site, as all fire systems were included in a single loop. Utilising the system also enabled installation teams to add or extend systems much more easily than is usually the case.

FireSmart will produce status reports and commissioning logs at New Capital Quay, making it an integral part of the building's ongoing fire plan.

Further variations were added to the project in the form of a smoke clearance system within the underground car parking area of each block, which utilises a thrust ventilation system to clear smoke quickly from the enclosed area in the event of a fire. FDS was able to not only install this in line with the original project schedule, but also conduct a phased handover of the car park, requested halfway through the project.

Type of project:

Residential

Client:

Galliard Construction

Architect:

BUJ Architects

"The key to the successful management and completion of this project was co-ordination with the developer, with whom we've worked before, and our fellow contractors."

Gerard Sheridan, Chairman at FDS

The mixed used development boasts more than 1,000 individual dwellings along with shops, offices, leisure facilities, underground parking and a health centre.

