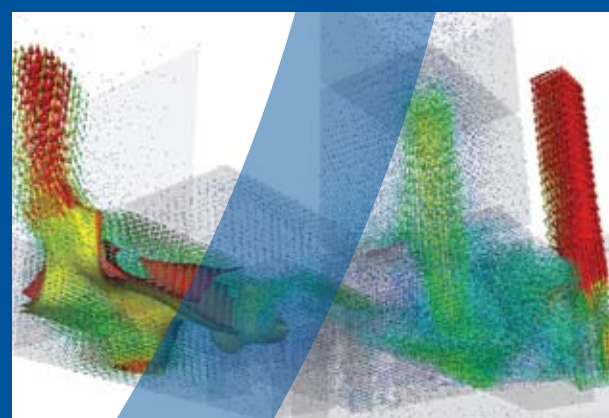


# Environmental climate control



Pictured: Oval Road

**Fire Design Solutions provide environmental climate control systems to remove unwanted heat from residential buildings with internal stair cores and lobbies.**

**For maximum cost and area efficiency, our specialist system design team can integrate environmental climate control with our advanced smoke venting systems.**

Environmental control is achieved through a positive air exhaust system that utilises existing or proposed mechanical or natural smoke vent shafts to draw heat away from common corridors and other problem areas.

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## Proven Solution

Fire Design Solutions will design the environmental climate control system to maximise heat removal, providing occupants with optimal internal temperatures.

Substantial cost savings are achievable wherever we can utilise the smoke shaft during the initial construction stage, thus allowing us to complete installation in just one exercise.

Our system has a proven track record of eliminating heat gain from the common heating/hot water pipework that runs above corridor ceilings. In addition, the system allows the common stairway to be cooled. For many building designs, this forms the main path of air make up.

Another important consideration is the development's acoustic requirement. To minimise noise breakout, each system is provided with primary and secondary attenuation.



152/154 London Road, Greenhithe, Kent DA9 9JW

Tel: **+44 (0)1322 387411**

Fax: **+44 (0)1322 386361**

Email: [info@firedesignsolutions.com](mailto:info@firedesignsolutions.com)

[www.firedesignsolutions.com](http://www.firedesignsolutions.com)



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