

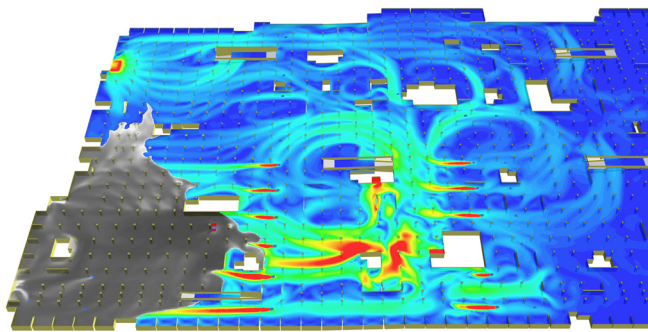


Closed Car Parks Performance verification

Simulation

Enclosed car parks in general exceed the maximum building regulation fire compartment size. This oversized compartment is accepted because of the limited size of car fire but requires additional measures to limit smoke and heat spread. Mainly consisting of ventilation requirements possibly in combination with sprinkler/watermist.

Due to the cars' exhaust fumes, car parks also require pollution control, since these can harm human health. Ventilation therefore should effectively ventilate the whole car park volume. This can be quite a challenge because a car park often includes numerous internal walls, columns, staircases, and shafts which can result in possible non-ventilated volumes.



System assessment

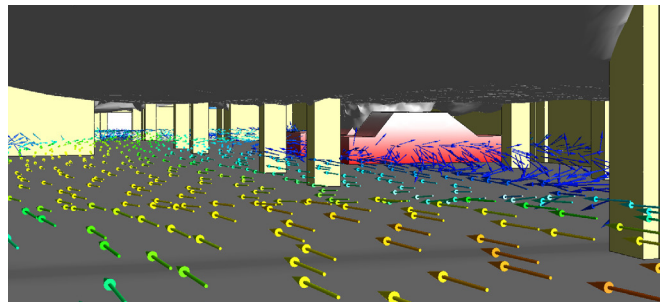
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Quick approval

In general, we assist in communicating the performance objectives with the local authorities in a starting point document followed by the well-defined study and clear presentation of the results. Fire brigades and authorities can then easily check if the performance criteria are met and provide the planning permission.



System design

Besides analyzing and indicating the system performance, we, as an independent company, can make you a conceptual system design that will meet the agreed performance.

