

# 96 ST GEORGES BAY ROAD AUCKLAND

## Project Profile



## PROJECT SUMMARY

Modern offices are changing from the insular cubicles to a more open plan to encourage collaboration and a more welcome feel on an office. To promote this, modern office buildings are incorporating large open atria connecting multiple office floors like the building at 96 St Georges Bay Road, Auckland

The office building contains four levels of offices sitting above two carpark levels, with a street facing retail and café on the ground floor. A central atrium connects all of the office levels and provides open walkways as the entrance to each office level.

## CROSSFIRE VALUE TO PROJECT

Open atria provide a passage for smoke spread throughout the building, exposing a large number of occupants at an earlier stage. The openness of the building presents many challenges in respect to maintaining the life safety of the people inside.

By using a combination of computational fluid dynamics modelling and evacuation simulations, Crossfire was able to provide a fire safety design that ensured the life safety of all users of the building. Using a combination of smoke extract fans to remove smoke, and smoke detection to provide early warning, Crossfire was able ensure occupants in the building were able to evacuate to a safe place before succumbing to the effects of smoke.

### Client

MANSONS TCLM

### Location

96 St Georges Bay Road  
Auckland

### Sector

\$40,000,000

### Services

Fire Engineering