

Project Kelly

## New Film Studio and Sound Stage



### Project Summary

Project Kelly involved the development of two new sound stages in Auckland, New Zealand. In addition to a short design timeframe to accommodate an incoming tenant, the project presented significant challenges from a fire engineering perspective due to the large number of possible fuel loading and layout arrangements.

Additionally, the overarching client objective was a fire design which did not require an automatic sprinkler system whilst allowing smoke detection to be isolated during filming

### Crossfire Value to Project

The fire engineering strategy developed by Crossfire utilised an active fire safety system to remove smoke from the building, with its efficacy demonstrated under a range of scenarios based on modelling using computational fluid dynamics (CFD). As part of the design process, Crossfire successfully negotiated with regulatory stakeholders a modification to the requirements of the New Zealand Building Code to support the proposed design.

Ultimately, the fire engineering design of the project was delivered on time and on budget, whilst meeting the overarching client objectives.

Client  
Project Kelly

Architect  
Ignite Architects

Date  
Completion 2022

Project Value  
\$35m