15 BUTTERFIELD ST
BRISBANE, QLD

smoke containment screens • smoke curtains • fire curtains • horizontal fire curtains • smoke & heat release vents • natural ventilation • fire resistant glazing • horizontal glazing • smoke doors • fire doors • intumescent paint & other specialty systems
**Goal**
A new building incorporated light wells using a cantilevered slab. The weight of alternative fire protection systems (eg: fire resistant glazing) were too heavy for the slab to be supported. Fibershield H horizontal fire curtains provided the only solution.

**Solution**
Smoke Control provided design assistance, supply, installation and commissioning of the FIRST automatic Fibershield H horizontal fire curtains in Queensland and only the third project in the southern hemisphere as at September 2008. Note; The system for this project was 60% cheaper than fire resistant glass blocks and reinforcement to the concrete slab.

**Design Considerations**
The overall design concept was to allow sufficient light into the building (floor areas are very large) to reduce energy consumption and provide a Green Star rating. The atrium design was integral to this rating, allowing for natural light and air movement between levels. The 4x Fibershield H horizontal fire curtains needed to;

- Be light weight, reliable, compact in design, invisible in non-fire mode
- Be accessible for maintenance
- Span 4 openings 10m long x 4.5m wide
- Be fire tested to AS1530.4 for up to 2 hours.

**Builder**
Devine Constructions

**Fire Safety Engineer**
Fire Check Consultants

**Architect**
Cottee Parker

*Note: Each project is unique and usually requires the involvement of a Fire Safety Engineer. Please contact us to discuss the suitability of this solution for your project.*