Market Sector: Film & Television

Location:
East Perth, WA

Office:
Perth

Services:
- Mechanical
- Fire protection

Description:
Norman Disney & Young was appointed as mechanical and fire services consultants for the ABC studios in East Perth. The studios include the following facilities:
- 600m² film/television production studio and a 200m² sound studio
- TV news studio
- Sound effects studio, numerous radio and sound recording studios and production booths
- ABC TV Content Distribution Centre (CDC) for Western Australia
- Administration areas and news office
- Satellite, transmission and editing equipment rooms
- Edit booths and suites
- Broadcast van and car parking accommodation
- Workshops and maintenance areas.

Air conditioning services assist with widely varying heat loads whilst ensuring noise levels remain below NC20 in some areas. The systems are controlled and supervised by a BMCS system that also allows load shedding of air conditioning under emergency. Stand by systems are provided to areas with ‘essential’ services such as equipment rooms.

Mechanical equipment has been isolated to one part of the building in order to reduce noise and vibration transmission to noise sensitive areas.

Planning for the project required conceptual design of services for a number of possible configurations. Advice on spatial requirements and the capital cost of alternatives was required to establish the preferred configuration before final detailed design took place.

The project also includes motorised external louvres on the west facing glass to the entry foyer. These significantly reduce capital and running costs associated with the air conditioning services.