

## *Benjamin Hillion*

Ben has over 10 years experience practicing as an acoustical engineer in Western Australia.

Ben has carried out acoustic design for studios, office, retail and, healthcare fitouts, schools, prisons, museums and luxury apartments. He has been responsible for the acoustic design of a number of high rise buildings in Perth and Interstate.



He has helped many Clients obtain building approvals. Project experience includes acoustic commissioning of PCH, Room acoustics modeling and commissioning for Perth Arena, and mechanical acoustic analysis of Garden by the Bay biodomes in Marina Bay, Singapore.

His rational and practical approach is key to enable his Clients to achieve their brief within a realistic budget.

## *Qualifications*

Ben's [qualifications](#) and [professional memberships](#) are:

- BSc (Hons) Music Acoustics & Recording, Salford University, 2003
- Member of the Australian Acoustical Society
- Member of the UK Institute of Acoustics

## *Projects*

[Architectural projects](#) have included:

- *Perth's Children Hospital* Commissioning and troubleshooting of mechanical acoustics and architectural acoustics to enable completion of the \$2.1B 298 bed Children's Hospital. Ben started in 2015 on the project until Practical Completion in 2018.
- *Perth Arena* modelled all back of house facilities in ODEON to optimise room acoustics. Undertook acoustic testing of the operable roof, main bowl and back of house spaces. \$550m construction value.
- *Capital Square (New Woodside building), Perth CBD* Base building advice for the prestigious 29 level office development of approximately 54,000 m<sup>2</sup>, the new headquarters for Woodside, located metres only from the Mitchell freeway.
- *Various Multi-storey Developments* Acoustic advice provided on BCA compliance, traffic noise intrusion and environmental noise including Adagio apartments (East Perth), Bronte Apartments (East Perth), St Marks apartments (Mt Lawley), Kingston apartments (Cockburn Central).
- *Various office fitouts*: HBF (Kings Square 4 - 13,000m<sup>2</sup>), Rio Tinto (Central Park), Synergy, South 32, Suncorp (Alluvion building).
- *Eastern Goldfield Regional Prison, Kalgoorlie WA* acoustic design of a 350 bed state of the art facility with an approximate construction value of \$400m. Responsibilities included overseeing architectural acoustics and building services noise control.



# Lloyd George Acoustics

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- *500 Hay St, Subiaco WA* Base building advice on 10 storey mixed use tower comprising a 166 room hotel, and a 5 cinema complex, 1200m<sup>2</sup> of retail space, 10,200m<sup>2</sup> of office space and rooftop restaurant. \$120m construction value. -
- *Willetton Secondary High School, Willetton WA* acoustic design of the \$39m redevelopment of this award winning highschool including new Year 7 facilities.
- *Byford Secondary Highschool, Byford WA* acoustic design of this \$35m highschool South East of Perth. Section J (energy efficiency design) was also undertaken.
- *Dallyelup College Stage 2, Dallyelup WA* acoustic design of the \$30m highschool redevelopment in Bunbury's South West (Stage 2).
- *H & M Perth City* base building advice to facilitate the Swedish clothes retail giant's move to the iconic Perth GPO building on Forrest Chase. \$7m construction value.
- *Meat & Wine Co, Perth CBD* -Ben provided base building advice on ameliorative works to the internal and external fabric of the 19<sup>th</sup> Century heritage building to protect the building's tenants on other floors from being disturbed by activities in the ground floor fine dining restaurant
- *Gardens By the Bay, Marina Bay Singapore* \$1 Billion state of the art park and exhibition centre. which features two glass biomes that are the site of conservation for many different species of flora. It features sustainable super trees which are green sources of power and harvest rain water. Ben undertook room acoustics design of exhibition spaces in the mountain forest and building services noise control in the two main conservatories.