



**Alix McLean** BEng(Mech), BA(European Studies), MIEAust, MAIrah, NABERS Accredited Assessor  
**Senior Mechanical Engineer**

Alix graduated from the University of Queensland, achieving a dual degree in Bachelor of Engineering and Arts. She has extensive experience in mechanical design with an emphasis on sustainable developments. As an advocate of sustainability, she draws upon this in her appreciation of engineering design.

Alix has many years' experience in the design of heating, ventilation and air conditioning and lift services of various types of buildings, including: offices, aged care, community building, healthcare services, sports and recreation facilities and residential buildings. She is proficient in the analysis of energy efficiency requirements, ranging from Section J (NCC), Green Star and AS3598 Energy Audits. Her specialties include energy efficiency and lift services.

## Project Experience

### Retail/Commercial

- IGA Rockhampton
- IGA Toowoomba
- IGA Northlakes
- Coles Taringa
- Russell Street, South Brisbane Office Building
- Mt Gravatt Office Building Extension
- Fedex, Sydney
- Various Office HVAC audits for Queensland Department of Communities, Child Safety and Disability Services
- Alice Springs Grace Warehouse
- Berrimah Defence Building Refurbishment
- Emerald Tenancy Refurbishment & Fitout
- Baringa Tavern, Bells Creek

### Educational

- UNSW Morvern Brown Building refurbishment
- UQ Gatton JK Murray Library
- Mackay SHS
- Northside Christian College
- Bedford College, Baulkham Hills
- Nambour TAFE
- USQ Toowoomba Master Planning
- Mater Dei Catholic School Library & Multipurpose Hall
- St Ignatius School Toowong
- St Patrick's School, Gympie
- QUT Condition Audits
- Various catholic and state school multipurpose halls and GLAs
- Gold Coast Institute of TAFE, Coomera
- Hills Grammar Early Education Centre
- Springfield

### Residential

- Currumundi Apartments, Sunshine Coast
- Harmony Apartments, Cockburn
- Jazz Apartments, Townsville
- Cordelia Street, Brisbane
- Dugald River Accommodation Village
- Sea Pearl Resort
- Tom Fisher House Homeless Shelter, Perth

### Health/Aged Care

- Browns Plains Community Health Care Centre
- John Hunter Children's Hospital PICU
- Narrabri Hospital
- Prince Charles Hospital Paediatric
- Caboolture Hospital Emergency Department
- ATSICHS Community Health Services Building
- Tweed Health GP Super Clinic

- Benhome Aged Care
- Christopherous House, Sydney
- Duhig Village
- Churches of Christ, Bribie Island
- Blue Care Carina
- Braemar Aged Care
- Symes Grove Aged Care
- Killarney Court Aged Care Facility

### Institution

- Church of Latter Day Saints – Werribee, Darwin and Burpengary
- Warringah Aquatic Centre
- Chester Hill Library and Knowledge Centre
- City of Busselton Civic and Administration
- Moreton Bay Regional Council HVAC Upgrade
- Souness Park Sports Facilities Refurbishment
- Air Services Australia National Feasibility Studies
- Surfers Paradise Police Station
- Tudor Park Community Centre
- INPEX Ichthys Project On-shore LNG facility
- Bananashire Council Administration Complex & Art Gallery
- Hinkler Hall of Aviation
- Murilla Multipurpose Centre
- AFL Queensland, Yeronga
- Logan Metro Sports Park Development
- Toowoomba Sports Ground Refurbishment
- Gladstone Courthouse Lift Audit

### Energy Efficiency Analysis and Audits

- Whitsundays Regional Council Climate Change Mitigation
- ANU College of Law Thermal and Energy Audit
- Queensland Deaf Services Energy Audit
- City of Darwin Energy Audits
- Metronode Data Centres NABERS
- Wynnum State School and Moreton Bay Environmental Education Centre
- Ballina Shire Council Administration Energy & HVAC Audit
- Pacific Fair Centre Peak Demand Reduction
- Churches of Christ ESD Strategy
- Marrakai Apartments Energy Audit
- Brisbane Girls Grammar School Year 7 Resource Building JV3 Analysis
- Macedon Healthcare JV3 Analysis
- Miller Street Shading Analysis
- G60 & G80 Apartments, Gladstone Residential Building Thermal Assessments
- Various Harvey Noman Section J upgrade analyses
- Kmart Port Macquarie JV3 Analysis