

VIPAC

Engineers & Scientists

100% Australian Owned
& Operated Qualification
Testing Services



Building Approval, Design, and Construction Services

Established in 1973, Vipac Engineers & Scientists has organically grown to become one of Australia's leading engineering testing laboratories and consultancies. Proudly Australian owned and operated, the company specialises in building approval, design, and construction qualification testing services.

Vipac serves a wide range of building sectors including residential, commercial, educational, medical, industrial, and Defence.

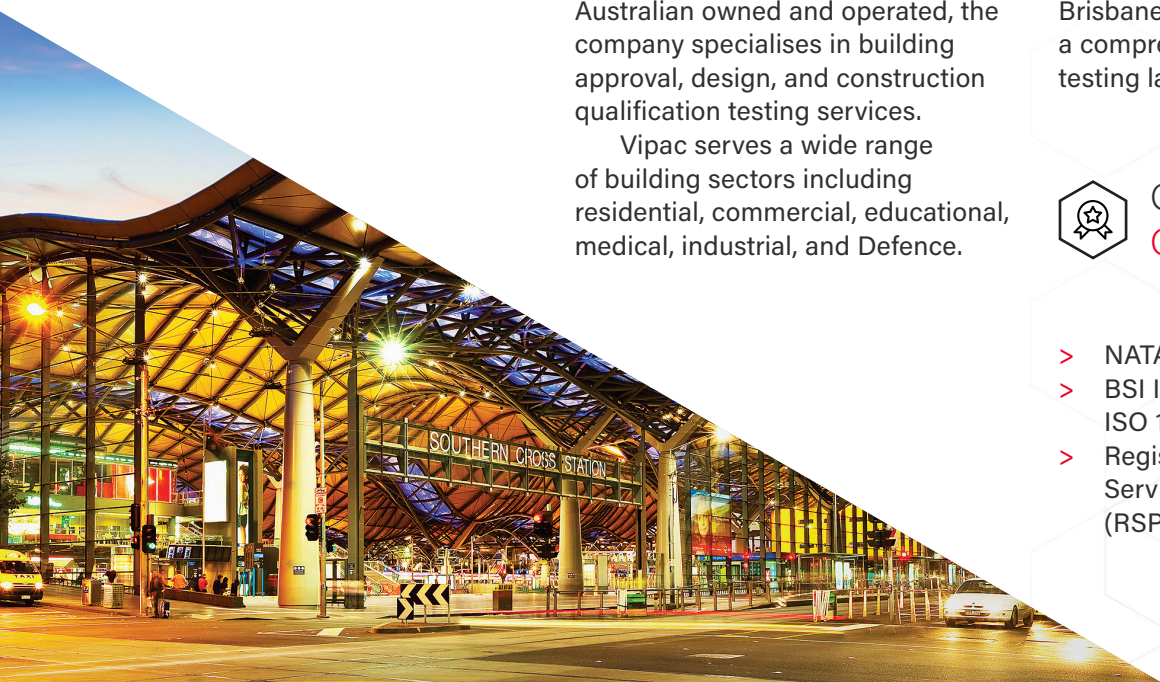
The company caters for sensitive equipment environments (such as MRI, x-ray, or electron microscope rooms).

To achieve a singular, consistent service, Vipac has offices in Brisbane, Adelaide, and Sydney with a comprehensive environmental testing laboratory in Melbourne.



Qualifications & Certifications

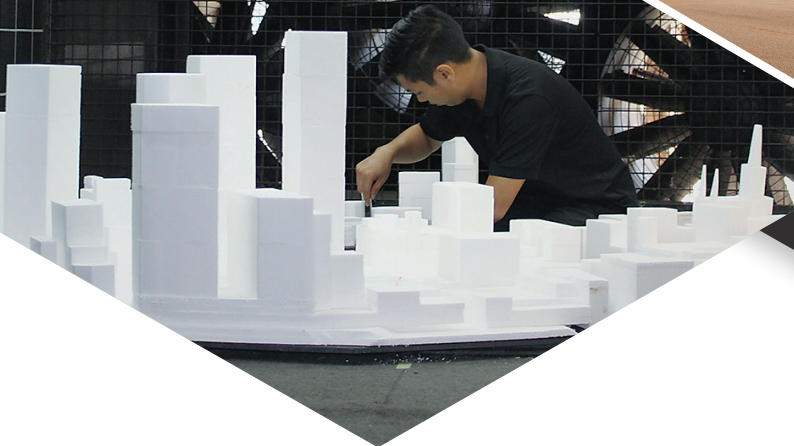
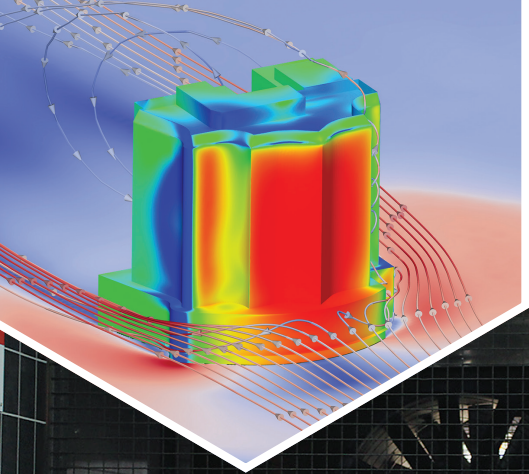
- > NATA Accredited
- > BSI ISO 45001, ISO 9001, ISO 14001, and ISO 27001
- > Registered Research Service Provider (RSP): No. 15701



☎ 1300 847 222

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Services & Testing Provided

> ESD (Ecologically Sustainable Development)

Vipac supports sustainable design by offering natural ventilation, energy efficiency, and compliance with Green Star plus NCC assessments. The company's CFD modelling services help optimise airflows, reducing HVAC dependency, carbon footprints, and operational costs.

> Acoustics

Vipac provides compliance with noise regulations acoustic assessments for the optimal design of walls, floors, and glazing. Services include noise modelling, impact analysis of communal areas, and on-site acoustic testing to meet NCC standards.

> Air Quality

Vipac's specialist assessments support urban planning by way of analysing HVAC efficiency, ventilation, and pollutant dispersion. The company conducts air permeability tests and field studies to enhance indoor air quality and meet environmental guidelines.

> Wind

Comprehensive wind analysis at Vipac includes high-fidelity CFD studies, desktop evaluations, and wind tunnel testing. These services determine pedestrian wind comfort, structural stability (under wind load), façade pressures (including wind driven rain), and wind noise mitigation while ensuring regulatory compliance.

> Vibration

Vipac offers ground vibration monitoring of construction, transport, and industrial activity to prevent nearby structural damage and ensure occupant comfort. Services include on site testing, structural response analysis, and damper design to meet ISO standards.

Overleaf, bottom: Vipac performed a wind driven rain study on the Southern Cross Station, Melbourne. **Above:** Facade testing including air leakage, water penetration, and structural performance was conducted on Perth Arena.

