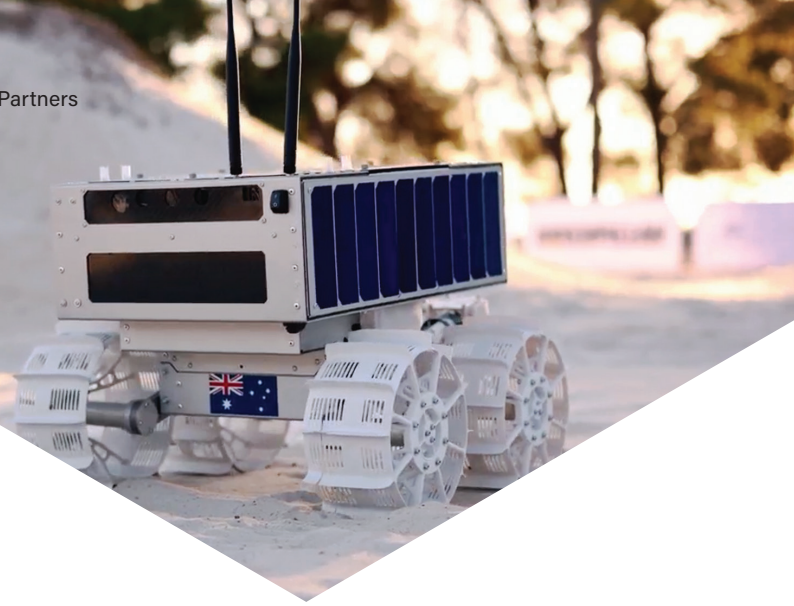
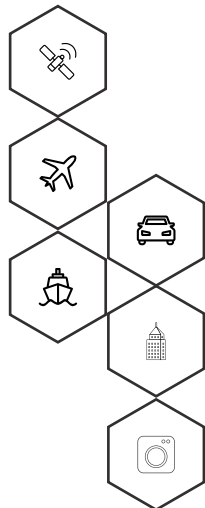


100% Australian Owned
& Operated Qualification
Testing Services

ELO₂ Consortium Partners



Company Profile



Vipac Engineers & Scientists is a leading, 100% Australian-owned engineering testing laboratory and consultancy. Since 1973 the company has provided its expert services to a wide range of industries such as:

- > Defence & Space;
- > Automotive;
- > Building & Construction;
- > Cybersecurity;
- > Mining, Oil & Gas;
- > Transport; and
- > Whitegoods.

With offices throughout Australia, the company employs over 100 trained specialists in a diverse range of fields including:

- > Air Distribution;
- > Acoustics & Vibration;
- > Building Technology & Design;
- > Calibration & Metrology;
- > Electrical Safety;
- > Environmental Testing;
- > Gas Technology Services;
- > Performance Testing;
- > Traffic Systems; and
- > Wind Engineering.

Project Experience

Australia

- > Adelaide Convention Centre (Wind, Energy, Acoustics)
- > Hamer Hall Melbourne Concert Hall, Victoria (Acoustics)
 - > Macquarie Group Building, Sydney (Thermal Comfort)

- > District Court of Western Australia, Perth (Acoustics)

International

- > Burj Khalifa, Dubai (Noise, Vibration, Stress)
- > Suvarnabhumi Airport, Bangkok (Air Distribution)
- > Ciputra World Theatre, Jakarta (Acoustics & Noise)
- > Keong Emas Imax Theatre, Jakarta (Acoustics)



Southern Cross Station,
Melbourne (Wind Driven Rain)





VIPAC

Engineers & Scientists

Proudly Australian owned
& operated since 1973.



Consulting Services

- > Acoustics & Vibration
- > Air Quality
- > Building Approval, Design & Construction Compliance Services
- > Computational Fluid Dynamics (CFD) - Industrial & Building
- > Cybersecurity
- > Defence Systems & Services
- > Environmental Noise
- > ESD - Compliance, Building Performance, Funding & Design
- > Gas Flow & Quality
- > Machine Reliability & Predictive Maintenance
- > Thermography
- > Vibration Condition Monitoring (VCM)
- > Wind Noise Studies - Desktop & Wind Tunnel Testing
 - > Workplace Environment OH&S



Laboratory Testing

Testing Services

- > Acceleration Testing
- > Appliance Compliance
- > Electrical Safety
- > Hydrostatic Pressure Testing
- > HVAC Testing
- > Ingress Protection Testing
- > Performance Testing (ESR, MEPS and GEMS)
- > Testing of Fixed and Mobile Digital Road Safety Camera Systems
- > Vibration and Shock Testing
- > Water Penetration Testing

Testing Facilities

- > Acoustic Reverberation Chambers
- > Air Distribution Laboratory
- > Balanced Ambient Calorimeter & Enthalpy Chamber
- > Boundary Layer Wind Tunnel

- > Electrical Compliance Certification Laboratory
- > Electrodynamics and Hydraulic Vibration Shakers
- > Environmental Chambers (-70 to +180°C, with Humidity Control from 1 to 99% RH)
- > Flow & Pressure Calibration Laboratory
- > Hydrostatic Laboratory
- > Large Environmental Chamber (-20 to +100°C, Humidity Control: <20 to 95% RH)
- > Refrigerator Testing Chambers
- > Shock Machines



Qualifications & Certifications

- > BSI ISO 45001, ISO 9001, ISO 14001, and ISO 27001
- > Registered Research Service Provider (RSP): No. 15701 Services & Testing Provided

