

CAPABILITY STATEMENT

Company Overview

Oppili Engineering, trading as Oppili Consulting, is a specialist mechanical and building services consultancy based in Newcastle, NSW. Established in July 2024, the firm combines technical excellence with practical industry insight to deliver innovative and sustainable solutions for complex building and infrastructure projects.

The practice is led by Senior Mechanical Engineer Venkat Narasimhan (MIEAust, NER, RPEQ), who brings nearly 20 years of professional experience spanning Australia, the Middle East, and Asia. Venkat's expertise covers mechanical services design, project and construction management, and strategic infrastructure planning. His proven ability to manage projects from concept through to commissioning ensures that clients receive not only technically sound but also cost-effective and regulatory-compliant outcomes.

Over the course of his career, Venkat has successfully managed and delivered high-value projects across diverse sectors, including healthcare facilities, aged care centres, high-rise residential towers, data centres, industrial plants, educational institutions, and public infrastructure. His leadership ensures that **Oppili Engineering** integrates innovation, quality, safety, and environmental responsibility into every stage of project delivery — from early feasibility studies to final completion and handover.

Sectors

OPPILI ENGINEERING

With extensive accreditation across NSW, Queensland, Victoria, Tasmania, and the ACT, **Oppili Engineering** delivers solutions across multiple sectors, including:

- Aged Care & Specialist Disability Accommodation
- Health Care Facilities
- Educational Facilities
- Commercial Developments
- Industrial Facilities
- Residential Developments
- Hospitality & Hotels
- Commercial Kitchens and Restaurants
- Public Infrastructure & Laboratories

Our Expertise

At **Oppili Engineering**, our expertise spans across a wide range of mechanical and multidisciplinary engineering services. With specialisation in HVAC, hydraulics, compressed air, medical gas systems, and performance-based solutions, we provide tailored designs that are compliant, efficient, and sustainable.

Venkat's experience includes:

- HVAC design and optimisation for high-rise residential and commercial towers
- Data centre and control room mechanical systems with high-capacity cooling and redundancy
- Section J energy efficiency assessments and compliance reporting
- Strategic asset management planning for water and wastewater infrastructure
- Workshop and As Installed drawings to support efficient construction and lifecycle documentation

Our focus is on integrating technical precision, compliance with Australian standards, and innovative practices to achieve high-performance results.

Tools & Technology

At **OPPILI Engineering**, we leverage industry-leading engineering software tools to ensure precision, efficiency, and compliance in our designs and documentation. Our capabilities include:

- **ACADS-BSG CAMEL** and **Carrier HAP** for accurate heat load calculations
- **AutoCAD 2D** for engineering design and detailed drafting
- **Revit MEP, Revitso and Navisworks** for advanced 3D modelling, coordination, and building services integration

By using these platforms, we deliver high-quality outputs that streamline project delivery, reduce risks, and ensure seamless collaboration with project stakeholders.

Quality, Safety & Environment

Quality, safety, and environmental stewardship underpin everything we deliver. As a certified NSW Registered Professional Engineer, Registered Design Practitioner, and State Registered Certifier, Venkat ensures projects meet strict compliance standards. With qualifications in Safety in Design, NEBOSH, IOSH, and sustainable building practices, **Oppili Engineering** embeds risk management, WHS compliance, and environmental considerations at every stage.

Key Projects

Australia:

- Meriton Apartments, Canberra (Services apartments)
- One Apartments, Newcastle West (Residential)
- Newport Apartments, Forster NSW (Residential)
- GPV Health Care Hub, Charlestown (Healthcare)
- Gunnedah Hospital Refurbishment (Healthcare)
- Opal Aged Care Facilities, Toukley, NSW (Aged Care)
- Glengara Aged Care, Tumbi Umbi (Aged Care)
- Bowen Rugby League Clubhouse Extension, Bowen QLD
- Warnervale Public School, Potters Creek, Warnervale, NSW
- Bluebird Early Education, Leppington, NSW (Childcare)
- Ingenia Lifestyle Villages, Morisset / Blueys Beach / Anna Bay (Over 55s)
- DALE Gosford – St Phillips Christian Education (Education)
- Mudgee Art Gallery (Public Infrastructure)

International:

- Hamad Bin Khalifa Medical City, Qatar – \$320M Multispecialty Hospital
- Al Ain Hospital reconstruction and new emergency building, Al ain, Abu Dhabi, UAE
- Al Abdul Karim Holding tower -42 storeys - \$350m Commercial and Office building
- Al Khorayef – Fraser Suites 4-star hotel, Saudi Arabia – \$365M (Commercial & Hospitality)
- Air pollution control systems – Cement, steel, and refineries (Multiple projects worldwide)
- Industrial HVAC systems for Hyundai paint shops, Saint Gobain Industries, Kohler Co plants across India and various other industrial manufacturing and workshops.

Professional Credentials

Venkat Narasimhan brings extensive professional recognition and credentials, including:

- Member – Engineers Australia & National Engineering Register (NER) – EA. ID-5171175
- Registered Professional Engineer, Queensland (RPEQ 28511)
- NSW Registered Professional Engineer Mechanical (PRE0000083)
- NSW Registered Design Practitioner (DEP0000084)
- NSW State Registered Certifier – Mechanical Engineer (BDC04991)
- VIC State Professional Engineer – Mechanical (PE0007074)
- TAS State Engineer – Mechanical – AMR – DEP0000084
- Sustainable Building Training Certification (Australia)

Contact

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