

NKV CONSULTING

CAPABILITY STATEMENT

Engineering Excellence, End to End
2026



RESIDENTIAL • COMMERCIAL • INDUSTRIAL
MINING • TUNNELLING • WATER & INFRASTRUCTURE

A MULTIDISCIPLINARY APPROACH

NKV Consulting is an Australian engineering and project delivery consultancy specialising in electrical and mechanical engineering.

We design, deliver and commission projects across the building services, industrial, mining, tunnelling and water-infrastructure sectors — taking work from initial concept through design, procurement and construction to commissioning and operational handover.

What sets us apart is genuine end-to-end, multidisciplinary capability under one roof: a boutique team that pairs deep electrical design expertise with hands-on mechanical, project-delivery and asset-management experience gained across some of Australia's most demanding infrastructure environments — delivering reliable, compliant systems on both permanent and temporary works.

Our focus on end-to-end delivery positions us to plan, design, procure, commission and hand over reliable, compliant systems across diverse construction and infrastructure projects, nationally.

SECTORS WE SERVE



RESIDENTIAL

Tailored electrical design for residential projects, from single homes to multi-storey apartments. Power distribution, lighting, energy-efficient systems and smart technology — safe, reliable and sustainable solutions for diverse living needs.



COMMERCIAL

Full project management or targeted consultation for retail and office fit-outs, new build and refurbishment. We help reduce ongoing building costs through regular preventive maintenance.



INDUSTRIAL

Efficient power distribution systems, optimal lighting solutions and control systems for industrial applications, ensuring facilities operate efficiently and comply with regulations.



MINING

Tailored electrical and mechanical design for mining, including power distribution, HV/LV systems and controls for surface and underground operations — scalable, sustainable designs that meet industry needs.



TUNNELLING

Specialised electrical and mechanical design for tunnelling projects, including power distribution, lighting, ventilation, dewatering and communication systems.



SUPPLY

Direct partnerships with manufacturers to supply high-quality, compliant electrical substations, switchboards and cables — certified products tailored to project requirements.

WATER & INFRASTRUCTURE

Drawing on direct experience with major water-infrastructure assets including desalination and hydro-electric schemes, we deliver mechanical design, dewatering systems, asset management and capital-upgrade planning nationally.



OUR SERVICES

Two core engineering disciplines, supported by full project delivery capability — from initial concept to final handover.

ELECTRICAL CONSULTING & DESIGN

Expert electrical design consultancy covering energy-efficient building solutions, LV/HV electrical design, communications and lighting. End-to-end design management from concept to completion — from provided specifications or from scratch — compliant with Australian Standards.

MECHANICAL ENGINEERING & DESIGN

Mechanical design and analysis for building services, infrastructure and industrial systems, including hydraulic and dewatering systems, pipework, plant and equipment, supported by CAD, FEA and AS/NZS compliance.

PROJECT & PROGRAM MANAGEMENT

End-to-end delivery of concurrent infrastructure projects and expert witness services — planning, procurement, contractor coordination, installation, commissioning, governance reporting and operational handover, on time and on budget.

ASSET MANAGEMENT & INVESTMENT PLANNING

Full-lifecycle business cases, risk-based prioritisation and capital investment planning that turn technical asset data into clear, fundable decisions.

MINING & TUNNELLING

Robust electrical and mechanical design for mining and tunnelling — scalable lighting, power distribution, ventilation, dewatering and radio infrastructure — in compliance with industry standards.

EQUIPMENT & CABLE SUPPLY

Direct partnerships with manufacturers to supply high-quality, certified electrical substations, switchboards and cables — compliant products tailored to residential, commercial, mining and tunnelling project requirements.

Engineering Capabilities

Our electrical capabilities cover the full spectrum of building services design, procurement and installation. Mechanical and project-delivery capability extends across building services as well as infrastructure, industrial and water assets.



MECHANICAL & PROJECT DELIVERY

- Hydraulic & Dewatering Systems
- Pipework, Plant & Equipment Design
- CAD & FEA Analysis
- AS/NZS 3000 & AS/NZS 60079 Compliance
- ASME B31.3 & AS/NZS ISO 31000 Compliance
- Procurement & Contractor Management
- Commissioning & Operational Handover
- Asset Management & Investment Planning
- Capital Business Case Development

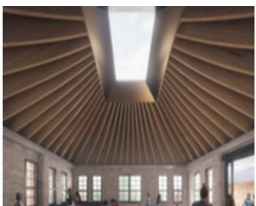
Past Projects



COMMERCIAL + WORKSPACE
Castle Towers – The Village



HEALTH
Wyvern Hospital



COMMERCIAL + WORKSPACE
The Boot Factory



EDUCATION
Moruya High School



RETAIL
Gucci Store, Gold Coast



RESIDENTIAL + WORKSPACE
Sage by Moran



COMMERCIAL + WORKSPACE
SafetyCulture



COMMERCIAL + RESIDENTIAL
The Greens

Additional Major Infrastructure Projects

SYDNEY DESALINATION PLANT Capital Upgrades — Water Infrastructure	SNOWY 2.0 Dewatering — Tunnelling Infrastructure
---	--

CONTACT US



Email/
info@nkvconsulting.com.au

Mobile/
0434 218 456