

Ganesh Kalal (MIEAust)

Project Engineer – Demolition

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Professional Summary

Project Engineer delivering large-scale industrial demolition and major infrastructure projects within Tier-1 environments. Experienced in demolition sequencing, subcontractor coordination, procurement, cost control, and QA compliance. Exposure to high-risk works including heavy mechanical and explosive demolition within live operational facilities. Member of Engineers Australia (MIEAust), progressing toward *NER* and *RPEV* registration.

Key Project Highlights

ExxonMobil Altona Oil Refinery Demolition | Altona, VIC | 2025 – Present | \$65M+

Project Engineer on major refinery closure converting site to a fuel import terminal while maintaining live operations supplying ~40% of Victoria's fuel demand. Managing staged demolition of tanks, process units, pipe racks and structural steel assets. Coordinating mechanical demolition, induced collapse methodologies, NORM and asbestos decontamination, and controlled explosive works while ensuring compliance with safety, environmental and regulatory requirements. Project completion targeted Dec 2027.

Rio Tinto Bauxite Refinery Demolition & Land Remediation Project | Gove, NT | 2024 – 2025 | \$250M+

Project Engineer on Australia's largest industrial demolition project, delivering decontamination, heavy structural dismantling, precision explosive works, bulk concrete foundation removal and large-scale brownfield remediation. Coordinated remote logistics, environmental controls, and stakeholder engagement including Traditional Owner consultation. Supervised heavy civil works and concrete foundation removal while managing subcontractor performance to Rio Tinto's safety and compliance standards.

West Gate Freeway Upgrade Project, Melbourne | 2022 – 2023

Graduate Civil Engineer supporting installation and QA verification of reinforced concrete crash barriers and precast noise walls in live traffic conditions, ensuring compliance with VicRoads and AS 5100 requirements.

National 5G Telecom Upgrade Program – Victoria | \$50M | 2023 – 2024

Structural Engineer delivering design-assist and construction support for telecom infrastructure upgrades across metro and regional Victoria. Reviewing steel towers and foundations to Australian Standards while coordinating site inspections and supporting programme delivery.

Core Competencies

- Demolition Planning, Sequencing & Methodology Development
- Mechanical & Induced Collapse Demolition Techniques
- Partial Structural Demolition Design (Wall & Slab Removal)
- Hazardous Waste Management & EPA / Local Authority Compliance
- Subcontractor & Work Package Management
- Contract Administration | Procurement(NetSuit) | Scheduling (P6)
- Cost Control | Variations | Progress Claims | EOT Support
- HSEQ & QA Compliance | Risk Assessment | Hold Points

Education

Master of Engineering Science (Structural Engineering) (2019 – 2021)
Swinburne University of Technology, VIC

Bachelor of Civil Engineering (2014 – 2018)
University of Pune, India

Professional Experience

Liberty Industrial - Project Engineer

Altona, VIC | 02-2024 – Present

- Supported end-to-end delivery of \$100M+ industrial and commercial demolition projects
- Developed demolition methodologies, management plans, SWMS, risk assessments, and ITPs aligned with statutory and client requirements
- Interpreted structural and demolition drawings to coordinate sequencing and temporary works
- Managed subcontractor procurement including RFQs, tender evaluations, and mobilisation
- Monitored programme performance and tracked costs, variations (\$8M+), progress claims, and EOT submissions
- Prepared weekly reports covering progress, budget, and risk
- Conducted inspections, verified hold-points, and ensured HSEQ and environmental compliance
- Updated Primavera P6 schedules to reflect demolition sequencing, progress, and delay impacts
- Hazardous Materials Management (Asbestos, NORM, Contaminated Waste) in accordance with EPA and Local Authority requirements

Indara Digital Infrastructures - Structural Engineer (Telecom Upgrades)

Melbourne, VIC | 04-2023 – 03-2024

- Delivered structural design and construction support for telecom tower upgrades
- Designed steel members and foundations to AS 3600 and AS/NZS 1170
- Reviewed shop drawings and liaised with fabricators and installation contractors
- Supported site inspections and technical coordination

Clive Steele Partners - Graduate Structural Engineer

Clayton, VIC | 11/2021 – 03/2023

- Civil and structural design for commercial builds and fit-outs
- Designed steel framing and reinforced concrete elements to AS 4100, AS 3600 and AS/NZS 1170
- Coordinated fabrication, shop drawings, and builder interfaces
- Conducted site inspections and QA hold-point sign-offs

Structcom Consulting Engineers – Graduate Civil Engineer

Caulfield, VIC | 06/2020 – 10/2021

- Designed stormwater drainage, OSD systems, and site grading layouts
- Coordinated geotechnical investigations, surveys, LPOD, and council approvals
- Conducted site inspections and recommended rectification works for council assets

Certifications & Licenses

- Construction Induction Card (White Card)
- Oracle Primavera P6 Professional
- Asbestos safety Training (Removal and disposal)
- Chain of responsibility (Implement and monitor the safety duties of transport activities)
- Victorian Driver's License (Class C)
- Working at Heights Training

Technical Skills

- **Project Management & Reporting:** MS Project, Primavera P6, MS Office Suite, Procore, Oracle NetSuite, InEight
- **Design & Drafting:** AutoCAD 2D, Civil 3D/MAP 3D, 12d, Bluebeam, Sketch Up
- **Structural Analysis:** SpaceGass, Structural Toolkit, Microstran, MS Tower, RAPT, Inducta