

## Introducing

### Derek Prentice

**Position** Managing Director, Newcastle  
Senior Structural/Civil Engineer

**Professional Qualifications** B.E. (Hons) University of Newcastle  
1995 (Civil Engineering)

#### Professional Affiliations

- Member, Institution of Engineers, Australia (MIEAust)
- Chartered Practising Engineer 2000 (CPEng)
- National Engineers Register (NER)
- Registered Professional Engineer of Queensland (RPEQ)
- Asia-Pacific Economic Cooperation - APEC Engineer IntPE(Aust)
- DBP Act (NSW) Registered Professional Engineer



## Summary of Experience

Derek has 30 years of experience in structural and civil engineering with design and supervision experience in a range of projects, from residential to large commercial, industrial and institutional projects.

Specific areas of experience are:

- Concept phase through to detailed design and construction supervision of small to large commercial, institutional, residential, and industrial structures in steel, concrete, precast, masonry, and timber.
- Detailed assessment and design of structures for mine subsidence and earthquake induced loadings.
- Assessment, refurbishment and strengthening of existing buildings and structures to the satisfaction of Australian Standards and Heritage requirements.
- Stormwater modeling, design and documentation for small to medium sized projects.

## Professional Experience

<b>2001 – Present</b>	Managing Director <i>MPC Consulting Engineers Pty Limited</i>
<b>2000 – Oct 2001</b>	Partner, Newcastle Office Manager <i>Low &amp; Hooke (Aust) Pty Limited</i>
<b>1994 – 2000</b>	Structural Engineer <i>Low &amp; Hooke (Aust) Pty Limited</i>

## Commercial

- **Structural and civil engineering design and inspection of:**
  - Multi-storey mixed-use developments.
  - Retail buildings and shopping centres.
  - Office buildings.
  - Childcare facilities.
  - Aged care facilities.
- **Early involvement with development application designs to address civil engineering issues required by relevant authorities, such as:**
  - Compliance with flood planning controls from local councils and State Environmental Planning Policies (including State Significant Developments).

## Residential

- **Structural and civil engineering design and inspection of:**
  - new dwellings.
  - alterations and additions to existing dwellings.
  - multi-storey units.
  - multi-storey apartment buildings.
- **Civil engineering designs for new residential subdivisions, including:**
  - Roadworks
  - Stormwater drainage
  - Bulk earthworks and Construction phase soil and water management.

## Industrial

- **Design and inspection of:**
  - Depots (Ausgrid, local councils).
  - Warehouses
  - Factories.
  - Materials handling infrastructure.

## Government

- **Design and inspection of:**
  - Local council project works such as amenities buildings, shared pathways, sporting clubhouses, sporting fields and solar panel PV installation on existing buildings.
  - School Infrastructure works
  - Inspection and structural assessment of existing school buildings and infrastructure, and design of repairs where needed.

## Sporting

- **Structural and civil engineering design and inspection of**
  - New sporting facility buildings including multipurpose sports courts.
  - Covered outdoor structures over sports courts.

**Examples of projects for which Derek Prentice has provided design and management expertise include:**

- 1. Hunter Regional Sports Centre Glendale**  
Project design team management, design, documentation for structural and civil engineering works for this \$40m sports centre expansion.
- 2. PCYC Sports Centre Port Macquarie**  
Project design team management, design, documentation for structural and civil engineering works for this \$20m sports centre expansion.
- 3. Council and Ausgrid Depot Developments**  
Project design team management, design, documentation for structural and civil engineering works for Local Councils at Grafton and Raymond Terrace, and Ausgrid Depots at Muswellbrook, Cessnock, Dee Why and Mt Kuring Gai.
- 4. Arena Apartments**  
Project design team management, design, documentation for structural and civil engineering works for this \$60m project overlooking Newcastle Beach.
- 5. Newcastle Airport**  
Project design team management, design, documentation for structural engineering works for this \$14m project allowing for future provisions and expansion.
- 6. Pine Tree Lane Apartments**  
Project design team management, design, documentation for structural engineering works for this iconic \$30m project.
- 7. Merewether Surf House**  
Project design team management, design, documentation and construction supervision for structural and civil engineering works for this iconic beachside project.
- 8. Lee Wharf Development (Honeysuckle)**  
Design, documentation and construction supervision of this \$65m residential and commercial structures.