



## HERA Senior Structural Engineer

### Objective of role:

- Provide the research, consulting, training and expert advice to ensure that steel, and metal composites, are the go-to materials of choice for NZ structures.

### Reports to:

General Manager of Structural Systems

### Staff reporting to position:

Nil

### Key responsibilities of the role:

- Assist with the following tasks as required and as capability develops:
  - Technical advice to clients
  - Development together with delivery of seminars and presentations
  - Technical guide development
  - Reporting to review meetings
  - Consulting
  - Research projects
  - Representation on national (NZS) and Australasian (AS/NZS) standards committees.
- Preparation of preliminary designs for multi-level buildings, including:

- Steel-concrete composite slab systems
  - Composite beams
  - Seismic resisting systems
  - Wind sensitivity assessment
  - Structural drawings and computer modelling
  - Construction cost estimation
  - Prepare design reports for clients
  - Review designs
- Develop a community of members engaged with HERA structural systems activities.
  - The responsibilities of this role are expected to change over time. The incumbent will need the flexibility to adapt and develop as the environment evolves.

#### **Essential attributes and experience:**

- Excellent communication skills with the ability to influence and inspire.
- BE (Civil or Structural) qualified, with CPEng
- Minimum 3 years work experience in design
- Some experience using AS/NZS 1170, or equivalent, for seismic and wind loadings
- Some experience in the limit state design of steelwork using NZS 3404, or equivalent.
- Ability to develop basic drawings in Autocad LT and interest in using X-Steel
- Report and journal writing skills
- Knowledge of best practice health and safety requirements.
- Keen to learn new skills and accept review
- Able to work independently to complete projects on time
- Reliable and trustworthy with client and HERA confidentiality
- Team player willing to contribute ideas
- Able to take greater roles in non-preliminary design project work

#### **Desirable Attributes and experience:**

- Some experience of limit state concrete design using NZS 3101, or equivalent.

- Publication list in peer-reviewed publications and industry journals
- Experience developing steel related standards
- Experience delivering industry training

**Key Lominger competencies required in the role:**

- Creativity
- Customer focus
- Interpersonal savvy
- Innovation management
- Integrity and trust
- Problem solving
- Managing vision and purpose
- Action oriented
- Dealing with ambiguity
- Business acumen
- Decision quality
- Technical skills