

## Director

### Stefan Reuther

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### Summary of Qualifications

**CPEng** - Chartered Professional Engineer 2013 to Present

**IntPE** - International Professional Engineer

**Dipl.-Ing. (Eqv. MEng)** - Civil and Structural Engineering

### Professional Memberships

IPENZ - Professional Member MIPENZ, CPEng, IntPE

Structural Engineering Society NZ

New Zealand Society of Earthquake Engineering

### Education

1994 - 2000

University of Essen, Germany

Studies of Civil and Structural Engineering

### Work Experience

2013 - present

**e3 Consultants NZ Ltd, Tauranga, Company Director.**

Responsible for the design and monitoring of commercial, industrial and residential buildings.

Project involvement:

- 850 Cameron Road, Tauranga – Childcare Centre, Motel and Medical Centre  
3200m<sup>2</sup> Development. The buildings consist of precast concrete and masonry walls with precast and comflor floors.
- Sims Warehouse, Tauriko – Large Distribution Warehouse  
5000m<sup>2</sup> warehouse with 1600m<sup>2</sup> office and showroom. Building consists of steel portal frames with an 11m high concrete fire wall along one boundary. The office consists of steel columns and concrete shear walls with precast floors.
- Racecourse Road, Christchurch – Multiunit warehouse development  
4500m<sup>2</sup> multiunit warehouses with offices and showrooms. Buildings consist of Concrete tilt up walls with a light steel framed roof.

2012 - 2013

**Beca, Sydney, Australia, Senior Structural Engineer**

Employed as senior structural engineer leading a team of engineers carrying out seismic assessments of earthquake damaged buildings in Christchurch

2005 - 2012

**Redco NZ Ltd, Tauranga, Senior Structural Engineer**

Employed as senior structural engineer working on a wide range of projects from industrial to commercial and residential buildings.

Project involvement:

- Amohau Street, Rotorua – Bulk retail store for Mitre 10 Mega  
6000m<sup>2</sup> retail store with 200m<sup>2</sup> mezzanine office. The building consists of portal frames with central columns and precast concrete wall panels up to approx. 3.5m and metal cladding above. The mezzanine floor consists of a precast unispan floor with in-situ topping supported on steel beams and precast walls.
- AC 72 America's Cup Marquees, New Zealand and USA (San Francisco)  
Large Aluminium framed marquees to house the AC72 boats for the 2013 America's Cup in San Francisco.
- 247 Cameron Road, Tauranga – Multistorey Office Building  
8500m<sup>2</sup> five storey office building with 4500m<sup>2</sup> two storey car park. The building consists of steel moment sway frames in both directions. The floor structure is constructed of precast double tees with in-situ topping. The building is clad with precast panels and curtain wall glazing.
- 1000 Cameron Road, Tauranga – Large Retail Store for Spotlight  
2600m<sup>2</sup> retail building with mezzanine office. The building consists of steel portal frames with concrete tilt up wall cladding.
- 26/44 Whakakake Street, Tauranga – Bus Factory for Kiwi Bus  
Large 4400m<sup>2</sup> factory with 400m<sup>2</sup> two storey office
- 2 Porutu Place, Tauranga – Distribution Warehouse for Morgan Furniture  
5000m<sup>2</sup> distribution Warehouse with offices. Building consists of steel portal frames with prestressed precast walls and a post tensioned concrete floor slab.
- Tay Street, Mount Maunganui – Five storey apartment building  
2200m<sup>2</sup> apartment building. The building consists of concrete moment frames and concrete and block shear walls. The floor structure is constructed of prestressed precast floor units with in-situ topping.
- Jean Batten Drive, Mount Maunganui – Distribution Centre  
12000m<sup>2</sup> warehouse with offices. The building consists of steel portal frames spanning 65 metres with a central column every second bay. A truss along the ridge supports every other portal.
- Jean Batten Drive, Mount Maunganui – Warehouse for Steel and Tube  
4900m<sup>2</sup> warehouse with offices. The building consists of a double pitch portal frames with concrete tilt up panels as wall cladding.
- Gravatt Road, Papamoa – Shopping Centre, Fashion Island  
The Shopping Centre consists of various sizes of single storey retail stores. The buildings consist of concrete tilt up walls with shopfront glazing along the front.

2000 - 2004

**Adams Kara Taylor, London, UK, Graduate Engineer**

Project involvement:

- Phaeno Science Centre, Wolfsburg, Germany.  
12000m<sup>2</sup> Science Museum. The building consists of a vast irregular concrete box, which is lifted 7 m off the ground supported on ten irregular shaped conical legs. The roof structure is a two way spanning truss system resting on four of the cones.
- The Public, West Bromwich.  
The Public is a major arts regeneration project located in the town centre of West Bromwich, Sandwell in the West Midlands.
- Adshel R&D Centre, London.  
The project consists of a new five storey office building and three new residential apartments. The office building consists of an insitu concrete frame with large transfer beams cantilevering over 2m at first floor level supporting a flat slab construction above.
- Asticus Building, London.  
The project consists of an 10 storey office building. The floor plate is a circular flat slab supported on concrete columns with a concrete core to one side of the building.