ȘTEFAN COBZARU
STRUCTURAL ENGINEER
CURRICULUM VITAE

ȘTEFAN COBZARU CV

PROFILE

Ștefan is a Structural Engineer with over eight years' experience in Romania and New Zealand, with a focus on the seismic assessments and strengthening designs of commercial building structures in New Zealand.

Ștefan prioritises reliability and a professional approach through all the stages of the project, as well as working well in team-oriented settings.

QUALIFICATIONS

BSc Civil – Bachelor of Science in Civil Engineering, Technical University of Civil Engineering of Bucharest, 2015

MSc – Master of Science in Structural Engineering, Technical University of Civil Engineering of Bucharest, 2017

CAREER HISTORY

2026 – Present, Structural Engineer – Structus Consulting Limited

2020 – 2025, Structural Engineer, Spectrum Consulting Engineers, Wellington

2017 – 2019, Structural Engineer, Contrust Group, Bucharest, Romania

2015 – 2017, Structural Engineer, Bemel AG, Bucharest, Romania

TECHNICAL SKILLS

- Comprehensive knowledge of the principles of seismic engineering and structural dynamics
- Experience in seismic assessments of existing multi-story buildings using various methods
- Experience in seismic strengthening of existing multi-story buildings, with a focus on precast floors strengthening
- Experience in construction monitoring for strengthening projects
- Knowledge of structural analysis tools such as ETABS, SAP 2000 and SeismoSoft

SELECTED PROJECT EXPERIENCE

COMERCIAL PROJECTS

500 Victoria Street, Hamilton, 2021-2025

Precast concrete floors seismic strengthening design and construction monitoring of 7-storey building with concrete shear walls and precast Hollowcore floors.

40 Taranaki Street, Wellington, 2024

Detailed Seismic Assessment (DSA) of the three buildings complex, 7-storey buildings with reinforced concrete frames.

2 Manners Street (aka Kordia House), Wellington, 2022-2025

Detailed Seismic Assessment (DSA), Seismic Strengthening Design of the precast concrete floors, peer review responses and construction monitoring (CM3) of the 14-storey reinforced concrete frame tower, including single level basement and three level podium floors with commercial use.

20 Balance Street, Wellington, 2023-2025

Detailed Seismic Assessment (DSA) of Block 3 of the building complex and stair structures, with construction monitoring (CM3) of the seismic strengthening works – 5-storey building, with three floors and two levels underground basement levels acting as the south podium for the main tower.

711 Victoria Street (aka Norris Ward McKinnon Building), Hamilton, 2021

Detailed Seismic Assessment (DSA) of the 8-storey commercial building with a single level basement. Retail use at the ground floor, parking at the basement level and offices at the upper floors.

Building B at 119 Cuba Street, Wellington, 2022-2023

Detailed Seismic Assessment (DSA) and Seismic Strengthening Design of the 2-story building with reinforced concrete frames and walls at the ground floor and steel frames at the first floor.

84 Taranaki Street, Wellington, 2022

Detailed Seismic Assessment (DSA) and Seismic Strengthening Design of the 4-storey commercial building with mezzanine between ground floor and first floor and single level underground basement.

RETAIL PROJECTS

57 Vivian Street, Wellington, 2021-2022

Detailed Seismic Assessment (DSA), Seismic Strengthening Design and Construction Monitoring (CM3) of the 3-storey commercial building with retail and carpark use at ground floor and office use on the second and third floors.

138 Park Road, Miramar, Wellington, 2021-2023

Seismic Strengthening Design of the single storey building with steel trusses and lightweight roof.

INDUSTRIAL PROJECTS

Golden Bay Cement, 5 Aotea Quay, Thorndon, Wellington

Slab strengthening design and construction monitoring with fibre reinforced polymer (FRP) and steel bolts / FRP anchors for 6-pack cement silos.

SOCIAL HOUSING

178-180 Willis Street, Wellington (aka Education House), 2022-2023

Construction Monitoring (CM3) of the Seismic Strengthening Works of the 14-storey reinforced concrete building.

PEER REVIEWS

11 Gill Street, New Plymouth, 2023

Peer Review of the Seismic Strengthening Design for the four-building commercial mall complex – 4 to 5 storey buildings with full-height concrete shear walls and precast concrete floors supported on reinforced concrete gravity frames.

40 Queens Drive, Lower Hutt, 2024

Peer Review of the Seismic Strengthening Design for the 8-story building with two podium floors. Eccentric reinforced concrete core walls and composite metal deck floors.

INITIAL SEISMIC ASSESSMENTS (ISA's)

18 Eyre Street, Whitianga, 2021

Initial Seismic Assessment (ISA) of the existing building complex comprising two 2-story blocks with light timber frame (LTF) walls and gravity steel structure.

64-68 Lake Road, Taupo, 2021

Initial Seismic Assessment (ISA) of the existing three building complex with 3-storeys and reinforced blockwwork masonry walls with cast in-situ reinforced concrete floors.

120 Featherston Street, Wellington, 2025

Initial Seismic Assessment (ISA) of the existing 7-story tower building with two podium floors and ductile moment-resisting concrete frames.