

SCALE BIM: CAPABILITIES STATEMENT 2026

Lead-Level Structural BIM & Digital Delivery Management

The Scale Advantage: Your Senior Technical Extension

The New Zealand engineering sector is currently facing a critical "senior technical skills shortage" that reaches crisis levels for many SMEs. **Scale BIM** provides the high-seniority firepower required to bridge this gap.

Established in 2016 and built on over 15 years of industry experience, we act as a seamless extension of your team, providing the capacity to win and deliver complex projects without the risk of permanent recruitment.



Core Competencies

1. Structural Revit & Documentation

We produce high-fidelity documentation sets where design intent translates seamlessly into constructible reality. Our Revit workflows are focused on identifying risk and complexity during the design phase rather than on-site.

- **Structural Steel Detailing:** Detailed structural documentation for steel frames and assemblies, ensuring precise coordination between design and fabrication requirements.
- **Reinforcement Modelling & Documentation:** Full 3D reinforcement modelling and scheduling to NZ standards, providing clarity for complex concrete elements.
- **Congestion Analysis & Construction Feasibility:** Proactive identification of rebar congestion and steel assembly bottlenecks to ensure structural designs are physically buildable within site constraints.
- **Multi-Discipline Services Coordination:** Expert integration of structural elements with MEP and architectural systems to identify and resolve clashes before they reach the site.

2. BIM Management & Digital Delivery

We serve as your firm's Digital Delivery Manager, ensuring your projects meet the mandatory requirements of Tier-1 contractors and government infrastructure mandates.

- **ISO 19650 Compliance:** Expert authoring and management of BIM Execution Plans (BEP) and Model Content Plans (MCP) tailored for structural consultancies.
- **Digital Risk Mitigation:** Advanced clash detection and coordination using Navisworks Manage and Revizto to reduce professional indemnity risk and rework costs.
- **CDE Management:** Specialist administration of Common Data Environments (CDE) including Autodesk Construction Cloud (ACC) and BIM 360.

Scalable Capacity: Access senior-level output exactly when your project pipeline demands it.

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The "Scale" ROI: Impact for SME Partners

- **Immediate Seniority:** 15+ years of lead-level experience. We integrate into your office standards and "hit the ground running" with zero training required.
- **CapEx Optimization:** We provide our own high-spec hardware and software licenses (Revit, Navisworks), saving your firm an estimated \$20,000+ per year in overheads.
- **Scalable Output:** Scale your technical capacity to match your pipeline—from a 20-hour documentation overflow to a 6-month management retainer.
- **Zero Recruitment Risk:** Access principal-level output without the costs of agency fees, training, or long-term employment liabilities.

Technical Infrastructure & Compliance

We utilize the latest industry-standard software to ensure total interoperability with your workflow:

- **Primary Modelling Platform:** Autodesk Revit (2022–2026).
- **Coordination & Review:** Navisworks Manage, Bluebeam Revu, Revizto.
- **Cloud Collaboration:** Autodesk Construction Cloud (ACC), BIM 360.
- **Standards & Codes:** ISO 19650, AS/NZS 1170, NZS 3101, NZS 3404.

Project Experience (Selected Sectors)

- **Seismic Retrofit:** Multi-storey heritage strengthening and complex steel-to-concrete integration.
- **Commercial:** High-rise structural framing and basement/foundation coordination.
- **Industrial:** Large-scale portal frames and specialist plant supports.
- **Residential:** High-end architectural housing and multi-unit developments (LOD 350).

Confidentiality & Reliability

As a long-term partner to some of NZ's leading consultancies, Scale operates under a strict confidentiality framework. We prioritize the security of your Intellectual Property and maintain a boutique client list to ensure every project receives Principal-level oversight.

Contact & Engagement

Karl Tanner
Founder & Digital Lead

Scale BIM

- Email: hello@scale-bim.com
- Web: www.scale-bim.com
- Location: Auckland, New Zealand (Serving NZ & AU)



"Scale your engineering output. Not your overheads."