concrete

VOLUME 63 ISSUE 4

concretenz
BUILDING RESILIENCE

CONCRETE CONSTRUCTION AWARDS RECOGNISE EXCELLENCE ACROSS ENTIRE SECTOR

CONCRETE NZ CONFERENCE SET FOR AUCKLAND'S VIADUCT EVENTS CENTRE IN MID-OCTOBER

UPFRONT

IT WAS A PLEASURE TO WELCOME NEARLY 300 GUESTS FROM AROUND AOTEAROA TO THE 2025 CONCRETE CONSTRUCTION AWARDS IN AUCKLAND. THE ATMOSPHERE AND CALIBRE OF ENTRIES WERE A POWERFUL REMINDER OF THE EXCEPTIONAL WORK DRIVING OUR INDUSTRY FORWARD.

Congratulations to all winners and highly commended entries. The Premier Award and Excellence in Concrete for the Community went to Te Whare o Rehua Sarjeant Gallery in Whanganui - a national benchmark for blending heritage with resilience. Clever, concealed seismic upgrades preserved its architectural integrity, showcasing concrete's role in thoughtful restoration.

Other standout projects, from Te Ara Tupua in Wellington and Wai Ariki Hot Springs & Spa in Rotorua, to innovative EcoReef® units in the Tararua District and Roller Compacted Concrete at Port Marlborough, highlighted fresh thinking in sustainability, design, and delivery. Most importantly, they reflect a clear commitment to a low-carbon, resilient Aotearoa - a message echoed throughout the evening.

These Awards celebrate not just outstanding concrete projects but the people and partnerships that make them possible. A sincere thank you to our sponsors for supporting this event and helping us lift standards across the built environment.

I'm also pleased to announce Michael Miller as the new Chair of Concrete NZ. Many of you know Michael as Executive General Manager New Zealand at Holcim ANZ - a respected industry leader with over two decades in construction, operations, and governance. Michael steps into this role at a pivotal time as we navigate an evolving regulatory, economic, and environmental landscape. His insight and leadership will help Concrete NZ continue to advocate, innovate, and support our members. My thanks also to Dene Cook, our outgoing Chair, for his outstanding contribution during a time of change.

Engagement with government remains a key part of this work. In recent months we've provided feedback on MBIE's draft Building Product Specifications and Government Procurement Rules, worked with the Ministry for the Environment on proposed waste minimisation legislation, and engaged with the Ministry of Education and Tertiary Education Commission on the future of Industry Skills Boards. These conversations are vital to ensuring concrete's contribution to a safe, efficient, and sustainable built environment is well understood and supported.

Finally, registrations will soon open for the 2025 Concrete NZ Conference, 15–17 October at Auckland's Viaduct Events Centre. I encourage you to join us and help shape concrete's future.

Rob Gaimster
Concrete NZ Chief Executive

concrete
MAGAZINE

Editor/Advertising:
Adam Leach
+64 4 915 0383
adam@concretenz.org.nz

Subscriptions:
Angelique Van Schaik
+64 4 499 8820
admin@concretenz.org.nz

concrete **is published quarterly by Concrete NZ**

PO Box 448
Level 7, 22 Panama Street
Wellington
NEW ZEALAND

Tel: +64 4 499 8820
Email: admin@concretenz.org.nz
Website: www.concretenz.org.nz

ISSN: 1174-8540
ISSN: 1174-9374 (online)

A Advertorial

Cover Image: Te Whare o Rehua Sarjeant Gallery, winner of the 2025 Premier Concrete Award.

concretenz
BUILDING RESILIENCE

MICHAEL MILLER APPOINTED CHAIR OF CONCRETE NZ

CONCRETE NZ IS PLEASED TO ANNOUNCE THE APPOINTMENT OF MICHAEL MILLER AS ITS NEW CHAIR.

Michael Miller of Holcim New Zealand has recently been appointed Chair of Concrete NZ.

Based in Auckland, Michael is the Executive General Manager New Zealand for Holcim, bringing with him a wealth of senior management experience across sales and marketing, procurement, operations, logistics, strategy, and sustainability. Prior to joining Holcim, he spent 16 years in executive roles at Australian construction materials company Adbri Limited.

Michael also brings nearly two decades of governance experience, having served on a range of private business and industry organisation boards and committees. He holds a Bachelor of Management and has completed director training with both the Australian Institute of Company Directors and the Institute of Directors New Zealand.

Since relocating to New Zealand in late 2023, Michael has embraced the opportunity to explore Aotearoa's great outdoors with his family, particularly enjoying its many hiking trails.

Michael Miller, Concrete NZ Chair

Rob Gaimster (Concrete NZ), Shivam Bansal (UoA, structural engineering), Bella Mercardo (VUW, sustainable engineering), Beatrice Wei Qi Hong (Otago Polytechnic, construction management), Enoch (Yinou) Shi (UoA, architecture) and Claire Falck (BRANZ).

FUTURE LEADERS BUILD RESILIENCE IN 72-HOUR NATIONAL DESIGN-ATHON

SOME OF NEW ZEALAND'S BRIGHTEST STUDENTS HAVE COMPETED IN A 72-HOUR 'DESIGN-ATHON' EVENT TO CREATE RESILIENT HOUSING THAT CAN WITHSTAND MULTIPLE DISASTERS.

The BRANZ event called ArchEngBuild featured 40 final-year students from across the country in architecture, engineering, construction management, landscape architecture, and sustainable engineering.

The students met for the first time at the University of Auckland and were split into ten teams to compete for the $12,000 cash prize.

This year's brief was to design a resilient, sustainable and affordable community building concept that safeguards people from natural. It also needed to be adaptable to different family needs and quickly reinstated if disaster struck.

The winners developed a housing concept called Rauhītia, which means to gather, shelter and care for collectively. The largely modular design featured a mixture of homes as well as a community facility and childcare centre to encourage multigenerational living and togetherness.

The winners were announced by BRANZ Board Chair Nigel Smith at a prizegiving event at the University of Auckland (UoA).

"The competition challenged students to work collaboratively to push the boundaries of what's possible in designing buildings that don't just withstand disaster, but adapt and thrive in the face of New Zealand's unique environmental challenges.

"This focus is critical-not for some distant future, but for projects that urgently demand fresh thinking today," said Nigel Smith.

Architecture student Enoch Shi contributed the winning result to strong teamwork and a clear focus on community at the core of their concept.

"When we started the project, we asked ourselves - what does resilience mean to us? It can mean different things, but for us it really meant creating communities that protect and serve each other. Research shows the communities that are more bonded together are much more prepared in the face of disaster," Enoch said.

"These students are going to change the building industry," said BRANZ Chief Executive Claire Falck. "They are hitting the real world with the right attitude and focus on collaboration and innovation to overcome the significant challenges facing our industry and communities."

"Concrete NZ is proud to again support ArchEngBuild as a unique platform that brings together some of our brightest emerging talent," said Rob Gaimster, Concrete NZ Chief Executive.

"It's this spirit of collaboration between disciplines that will ensure New Zealand's built environment remains resilient, sustainable and truly fit for purpose for generations to come."

Sustainability. Proven.

Creating sustainable spaces?

Our **Bayferrox® Black Oxide** carries an **Environmental Product Declaration**, giving you with the internationally recognised data you need to achieve sustainable certifications for your project.

Our Black Oxide carries **Declare** certification too, for its socially and environmentally responsible production.

THIRD-PARTY VERIFIED EPD ISO 14025 and EN 15804 Institut Bauen und Umwelt e.V.

Declare.

Specialists in coloured concrete.

PeterFell

Taylor Pass Road Reservoir near Blenheim – a key concrete asset enhanced by Stratmore expertise.

STRATMORE GENERAL MANAGER SEES INNOVATION & COLLABORATION AS KEY TO THE FUTURE

STEPHANIE FRY, GENERAL MANAGER OF LONG-TIME CONCRETE NZ MEMBER STRATMORE CONSTRUCTION SOLUTIONS (FORMERLY FRASER BROWN & STRATMORE), GREW UP AROUND THE FAMILY BUSINESS. HER GRANDFATHER GEORGE STARTED THE COMPANY 70 YEARS AGO, AND HER FATHER JOHN GREW IT INTO ITS CURRENT SITE IN THE MANUFACTURING HUB OF LOWER HUTT.

"Dad was a scientist and inventor, who came up with most of our bespoke products that are still industry-leading today," says Stephanie.

On the back of John Stratmore's innovation, Stratmore Construction Solutions is known across the construction sector for its dependable protection and repair products - coatings, repellents, and compounds.

Stephanie Fry, GM of Stratmore Construction Solutions, outside the company's Rata Street base in Lower Hutt

Stratmore's protective film at Auckland Airport helped cure fresh concrete for optimal strength and durability.

"As my dad says, our products are in it or on it, as well as release it, cure it, reinforce it or stick it," says Stephanie.

After running her own businesses for over 20 years, Stephanie has recently returned, to lead Stratmore, taking it forward as what she calls "Version 3.0".

Having been based outside of the Wellington region over recent years, Stephanie has enjoyed reconnecting with her Hutt Valley roots, with community and local business leaders. She values the support and knowledge of her brother, Hamish, who has worked in the company for over three decades, and the experience, knowledge and technical skills of her team.

Stephanie cites the values on which the family business is built as the reason it has lasted for decades and will continue.

"Good old fashioned customer service, respectful partnerships with our customers," says Stephanie. "At the heart of everything we do is how we come up with solutions for our customers. It's not 'one size fits all', we genuinely go above and beyond to find solutions for customers, whether it's a one-man sole trader through to our bigger customers Hynds and Humes."

Stephanie gives an example. "A large-scale customer came to John over 40 years ago and said: 'Can you make a product that does this?' So, Dad made it for them. Then they said: 'Oh, it's good, but it needs a bit more in this area.' So, Dad refined it to exactly what they wanted. That's at the heart of our business: solutions. We continue to supply this product to this customer to this day."

Stratmore Construction Solutions also partners with offshore suppliers, exclusively importing a range of products for over 25 years. These include Kryton Krystol waterproofing and membranes, and the FORTA range of synthetic fibres for concrete that are suitable across a wide range of applications.

Meanwhile, to ensure a solid foundation for the future of the business, Stephanie has invested in training her team through the Lean Hub diploma, applying continuous improvement methodology to ensure the business is more efficient, focused and refined. It's been a game changer for Stratmore. She is also concentrating on building the company's team culture. Everyone is on-board with a shared vision and understands the strategy for growth – united as one happy team.

Stratmore have some exciting opportunities on the horizon, including new international product distribution partnerships and the exciting RiverLink project in Lower Hutt - a large-scale infrastructure and urban development project aimed at revitalising the city centre and improving flood resilience.

The Thorndon overbridge in Wellington was treated with Stratmore epoxy, enhancing durability and safety features.

Through the Riverlink project's commitment to supporting local businesses as much as possible, Stephanie sees the potential for Hutt Valley manufacturing to really maximise opportunities, and she's hopeful the region will see a return to its glory days of her childhood, with manufacturing playing a key role.

"There does seem to be a renewed sense of optimism and motivation across the region, particularly for manufacturing, which will have a positive flow on for the community. We can certainly see a light at the end of the tunnel. This combined with the Hutt Chamber's 35 by 35 vision; we can't help but be positive about what's to come."

Through Stratmore Construction Solutions, Stephanie is reinforcing her commitment to national and local organisations, being a member of Advancing Manufacturing Aotearoa (AMA), the National Association of Women in Construction NZ (NAWIC) and Concrete NZ and she's recently become a director on the board of the Hutt Valley Chamber of Commerce.

"I'm always proactively putting my hand up to be involved in organisations which support our wider community and allow me to have a direct impact on what happens in our industry," says Stephanie. "We're seeing positive movement from associations and industry bodies, and there is definitely a clear vision and strong future positioning for the space we're in.

"What also excites and motivates me - I must throw this in here - is being a woman leader and coming into this role at Stratmore and into this traditionally male-dominated industry. It's great to show other women that these opportunities exist and at all levels."

Stephanie is also enthusiastic about the potential for concrete roading, as a way of enhancing transportation sustainability due to its long-life and low maintenance properties, as well as ability to absorb carbon dioxide.

For Stratmore Construction Solutions, recent challenges have been the obvious 'flat' market over the past couple of years, global uncertainties as well as continuous changes to legislation around chemical labeling and packaging, compounded by ambiguity around future requirements. However, through proactive communication and commitment, these challenges are being overcome by Stratmore's technical and compliance team who have worked tirelessly to ensure they remain ahead of the game.

While global uncertainties make it difficult to predict what the future holds, Stephanie is cautiously optimistic about what lies ahead, when product innovation and ongoing collaboration, for which Stratmore Construction has become known, will be the foundation for growth and the success of Stratmore for another 70 years!

HOLCIM

LOW-CARBON BUILDING SOLUTIONS

GLOBAL EXPERTISE, LOCAL KNOWLEDGE

Holcim (New Zealand) Ltd proudly serves as a world-class supplier of cement, aggregates, and ready-mix concrete throughout Aotearoa New Zealand. As part of the Holcim group, we combine global expertise with deep community roots, with our involvement in the New Zealand construction industry dating back to 1888. This long-standing presence reflects our commitment to delivering high-quality materials and tailored solutions to meet the unique needs of the New Zealand construction market.

SUSTAINABILITY AND INNOVATION

We're providing solutions for our customers across all regions to build better with less, thanks to our broad range of innovative, low-carbon, and circular solutions. Holcim is leading the way in sustainable construction with cutting-edge products like ECOPact low-carbon concrete, ECOPlanet low-carbon cement, and ENVIROCore cement replacements. These advancements demonstrate our commitment to driving innovation and minimising environmental impact, enabling our partners to create a more sustainable built environment.

Concrete
0800 READYMIX (0800 732 396)

Cement and Aggregates
0800 HOLCIM (0800 465 246)

www.holcim.co.nz

BUILDING PROGRESS FOR PEOPLE AND THE PLANET

TE WHARE O REHUA SARJEANT GALLERY WINS TOP HONOUR AT 2025 CONCRETE CONSTRUCTION AWARDS

THE REFURBISHMENT AND EXPANSION OF WHANGANUI'S ICONIC TE WHARE O REHUA SARJEANT GALLERY HAS TAKEN TOP HONOUR AT THE 2025 CONCRETE CONSTRUCTION AWARDS HELD THURSDAY 5 JUNE AT THE CORDIS HOTEL IN AUCKLAND.

The restored gallery honours its past and safeguards its future.

The gallery project won the Premier Award and the Excellence in Concrete for the Community category in recognition of extending the structure's life, preserving architectural integrity, and transforming a nationally significant building into a world-class facility for the community at Aotearoa.

The 2025 Concrete Construction Awards celebrate excellence in concrete design, construction, innovation, rehabilitation and research, with entries judged across nine categories.

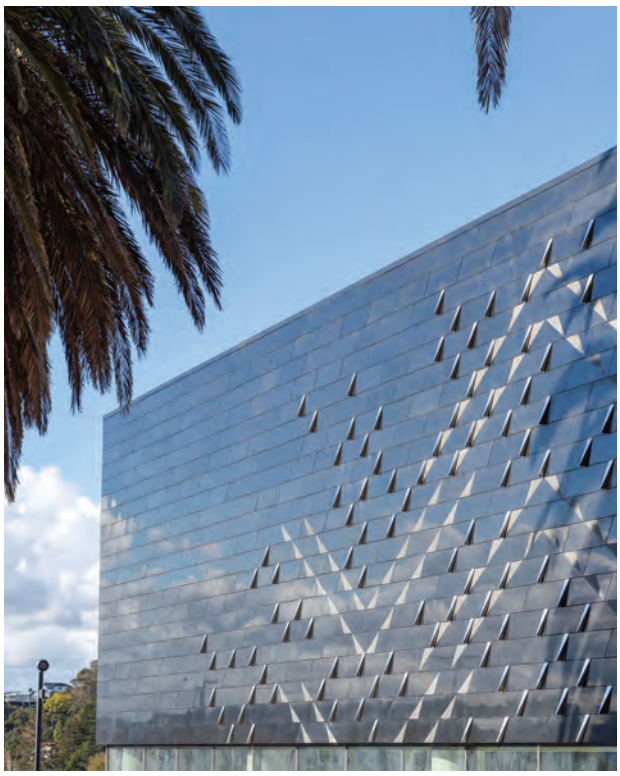
More than 275 people attended the awards, including architects, concrete designers, engineers and developers from across Aotearoa New Zealand.

Te Whare o Rehua Sarjeant Gallery reopened in November 2024 after a major redevelopment that strengthened and restored the original 105-year-old heritage-listed structure while adding a striking new wing, Te Pātaka o Tā Te Atawhai Archie John Taiaroa.

Judges praised the project's outstanding use of concrete to deliver a discreet yet highly effective seismic strengthening solution within a sensitive heritage context. Over 300 stainless steel post-tensioned bars, new composite diaphragms, and meticulously executed concrete tie beams were employed to enhance resilience while maintaining architectural elegance.

The project team behind the Te Whare o Rehua Sarjeant Gallery transformation comprises Clendon Burns & Park, the Sarjeant Gallery Trust, Warren & Mahoney, McMillan & Lockwood, and Contech.

Concrete NZ Chief Executive Rob Gaimster said through hidden concrete interventions



Greg Durkin (BCITO) presents Philip Yong, (Clendon Burns & Park), Dean Latham (Contech) and Harry Taffs (McMillan & Lockwood) with the Premier Concrete Award.

the refurbishment and expansion of Te Whare o Rehua Sarjeant Gallery delivered seismic resilience without compromising heritage value.

"The result is a restored gallery that honours its past and safeguards its future; an exemplar of how concrete can respectfully modernise historic infrastructure. This remarkable project sets a national benchmark for how concrete can restore, strengthen, and honour New Zealand's most significant public buildings," he said.

Almost 50 projects nationwide entered the 2025 Concrete Construction Awards and were judged in categories ranging from innovation, to infrastructure, sustainability, and landscaping.

"The calibre of award entries this year has been outstanding, emphasising concrete's role in resilient, low-carbon infrastructure, as well as reinforcing concrete's position as the durable, low-carbon material of choice for modern New Zealand, Gaimster said.

The Concrete Construction Awards also celebrated a winning and highly commended entries across nine categories.

"The calibre of award entries this year has been outstanding, emphasising concrete's role in resilient, low-carbon infrastructure, as well as reinforcing concrete's position as the durable, low-carbon material of choice for modern New Zealand, Gaimster said.

The Concrete Construction Awards also celebrated a winning and highly commended entries across nine categories and the Enduring Concrete Award - see pages 22-57.


EcoSure®
NEW ZEALAND'S
LOWEST CARBON
GP CEMENT.
BUILDING A
BETTER FUTURE.
Golden Bay®

Allied Concrete partnered Brookby Quarry in engineered sand trials and supply.

ALLIED CONCRETE LEADING THE WAY WITH ENGINEERED SAND

AS PART OF THEIR COMMITMENT TO LONG-TERM RELIABILITY AND INNOVATION, ALLIED CONCRETE HAS BEEN WORKING CLOSELY WITH BROOKBY QUARRY IN AUCKLAND TO PIONEER THE USE OF A FULLY ENGINEERED MANUFACTURED SAND, NOW A KEY COMPONENT IN A MAJORITY OF AUCKLAND CONCRETE MIXES SUPPLIED FROM THEIR PENROSE PLANT.

While traditionally much of Auckland's sand supply came from marine sources, disruptions in the past prompted us to explore more resilient alternatives. This journey began in 2022 and was driven by a clear goal: to ensure a stable, local supply of high-quality sand that would meet the technical expectations of our customers.

PARTNERSHIP AND PURPOSE

Allied Concrete's journey with Brookby Quarry began in 2022 when trials were initiated to develop a high-quality manufactured sand from greywacke rock.

Working closely with the quarry team to refine grading, shape, and performance characteristics, the goal was to produce a sand that would perform across a wide range of concrete applications, ensuring reliability for both residential and commercial use.

RIGOROUS TESTING ACROSS APPLICATIONS

The development process involved not only internal trials but also significant testing with industry contractors. The engineered sand has been rigorously tested across a wide range of applications, using familiar mix designs and performance benchmarks. From residential slabs to commercial floors and infrastructure, this sand has been trialled and refined alongside trusted contractors, pump operators, and engineers.

A comparative trial was carried out in March 2023 at Brookby Quarry, where two slabs were poured using mix designs, differing only in their sand component. One used Allied Concrete's traditional blend of PAP7 (Crushed Fines) and fine marine sand and the other used 100 percent of the newly developed manufactured sand. Performance was indistinguishable during placement and finishing, while the engineered sand achieved higher strength values and provided an opportunity for significant reductions in water and therefore, cement demand.

Allied Concrete then ran a full series of mix trials using various admixtures and cement substitutions including SCMs (Supplementary Cement Materials) such as, Ground Granulated Slag (GGBS) and Fly Ash (FA). Mixes for infrastructure (in tremie and piling applications), spray concrete, and both residential and commercial flooring applications, were tested. These trials involved pump operators and contractors, and considered placeability, set times, bleed rate and characteristics to ensure that concrete made with this sand performed effectively in both pumped and non-pumped applications.

Importantly, the characteristic of the mix designs familiar to customers remain fundamentally unchanged, the only variation has been in the sand source. Extensive testing was undertaken to ensure that placing, finishing, and strength performance remain consistent with existing expectations.

OPERATIONAL TRANSITION

By October 2024, Allied Concrete Penrose had commercially introduced the new sand into production. This was not a sudden shift, but a carefully phased rollout to ensure alignment with customer expectations and industry standards. The process confirmed earlier findings and the manufactured sand mixes met performance expectations across the full range of applications.

This represents a practical, scalable solution to industry challenges and not one which is only for specified projects. Allied Concrete has incorporated this material into mainstream supply at a high-volume, operational scale, which is backed by a resilience in supply chain and an innovative approach to sourcing local materials.

A SUSTAINABLE AND SCALABLE RESOURCE

Brookby Quarry's investment in a purpose-built manufactured sand processing plant and new power infrastructure underpins this shift. Their site now has a production capacity of 300,000 tonnes per annum of this material, with an expansion capability of up to 600,000 tonnes if required. The use of local materials not only strengthens supply chain resilience but also supports broader sustainability goals by having alternatives to both marine extraction and long-haul transport.

LOOKING AHEAD

Allied Concrete remains committed to innovation, product performance, and sustainable practices. Their work with Brookby Quarry reflects a shared focus on developing fit-for-purpose materials that meet the needs of today's construction sector, without compromise. This milestone marks a significant advance in material performance, consistency, and sustainability, and sets a new standard for concrete production in the region.

QUALIFICATIONS
THAT FIT WHAT YOU DO

WORK SMARTER

Have your team **work smarter**, learn up-to-date skills.

TRAIN AN APPRENTICE

Help them **learn the skills** and become qualified.

ALREADY HAVE THE EXPERIENCE?

Get **skills recognised** with a formal qualification.

GROW YOUR BUSINESS THROUGH TRAINING

Training an apprentice is an **investment in your business** and the industry.

CALL BCITO TODAY
0800 4 BCITO (422 486)

bcito.org.nz

BCITO
He Hunga Hanga Mātou
building people

CM-2150

Images: Gudsell Builders. Amanda Aitken Photography.

PETERFELL BLACK OXIDE ACHIEVES INTERNATIONAL CERTIFICATION FOR SUSTAINABILITY

PETERFELL'S BLACK OXIDE HAS ACHIEVED AN ENVIRONMENTAL PRODUCT DECLARATION (EPD), PROVIDING ARCHITECTS AND THE CONSTRUCTION INDUSTRY THE TRANSPARENT, VERIFIED DATA THEY REQUIRE WHEN PLANNING A SUSTAINABLE BUILD.

"EPDs are a globally recognised way of documenting and demonstrating the environmental footprint of construction materials," explains Brennan Fell, Managing Director of Peter Fell Ltd.

They are based on international standards ISO 14025 and EN 15804 and are verified by independent examiners.

Brennan Fell, Managing Director of Peter Fell Ltd.

"Like our Declare labelling, our Black Oxide's EPD aligns with Concrete NZ's goal of having the industry recognised as a sustainable, socially responsible player in the construction sector by 2030," says Fell.

The EPD clearly details Black Oxide's ingredients and environmental impacts throughout its entire life cycle.

This information gives the industry a reliable way to provide essential data for their life-cycle assessments. Fell adds that it can also be used by architects and their clients when they want to gain sustainable certifications for their project, such as Green Star, LEED and BREEAM.

PeterFell Black Oxide is sourced from Bayferrox®, which is part of Lanxess, a German-based specialty chemicals company that is committed to building a more sustainable world.

Lanxess has set 2040 as the deadline for being carbon neutral and they're already making healthy advances towards that target at facilities around the world.

"Lanxess is really setting the benchmark for low-carbon footprint pigments by reducing emissions across the value chain," Fell says.

PeterFell's Black Oxide EPD is further example of this, and another step towards building a more sustainable future.


“Like our Declare labelling, our Black Oxide’s EPD aligns with Concrete NZ’s goal of having the industry recognised as a sustainable, socially responsible player in the construction sector by 2030.”
– BRENNAN FELL
PeterFell
SPECIALISTS IN COLOURED CONCRETE

HOLCIM

(CATEGORY SPONSOR)

EXCELLENCE IN ARCHITECTURAL CONCRETE (MONTE CRAVEN AWARD)

The Wai Ariki Hot Springs & Spa project team accept the award from Andy Campbell (Holcim NZ).

WAI ARIKI HOT SPRINGS & SPA, ROTORUA

Wai Ariki Hot Springs and Spa in Rotorua is a luxury wellness facility shaped by Ngāti Whakaue values and geothermal context. Concrete was essential to the design – providing structural durability, aesthetic richness, and material authenticity. Its strength and resilience made it ideal for the site's corrosive environment and long-term performance needs.

The judges acknowledged the outstanding architectural expression achieved through concrete in this culturally significant project.

Also praised was the close collaboration between architects, engineers, and suppliers in delivering bespoke precast and in-situ elements. Of note was the use of high-performance concrete to meet the extreme durability demands of Rotorua's geothermal environment. With longevity a key requirement for this generational development, concrete was expertly specified and detailed to ensure structural resilience, environmental resistance, and enduring cultural value.

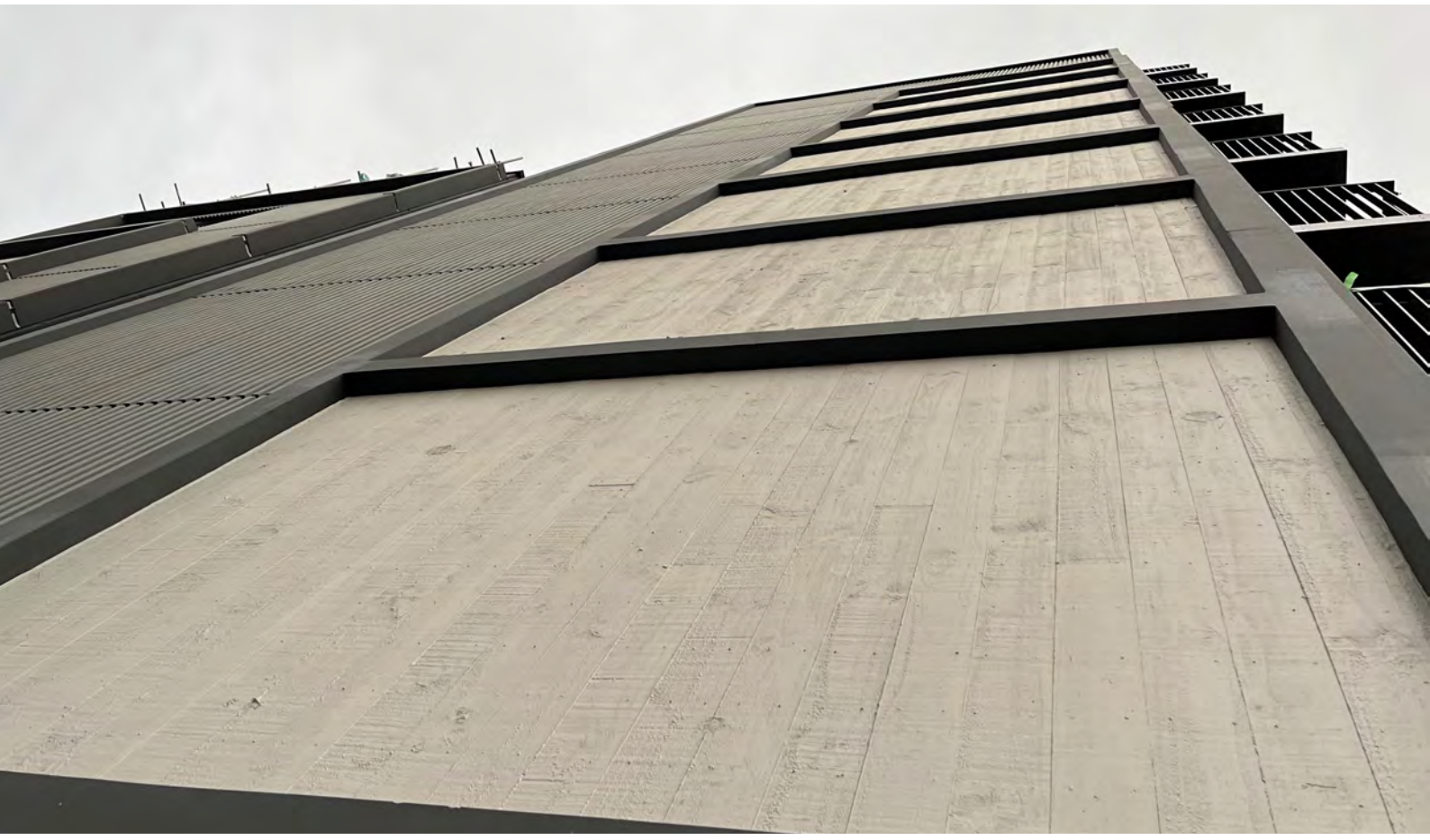
Project Team. RCG Architects, Pukeroa Lakefront Holdings, Firth Industries, WSP NZ, Hawkins Construction, Nauhria Precast, Stevenson Concrete, Natural Habitats, and Boffa Miskell.

HOLCIM

(CATEGORY SPONSOR)

EXCELLENCE IN ARCHITECTURAL CONCRETE (MONTE CRAVEN AWARD)

HIGHLY COMMENDED



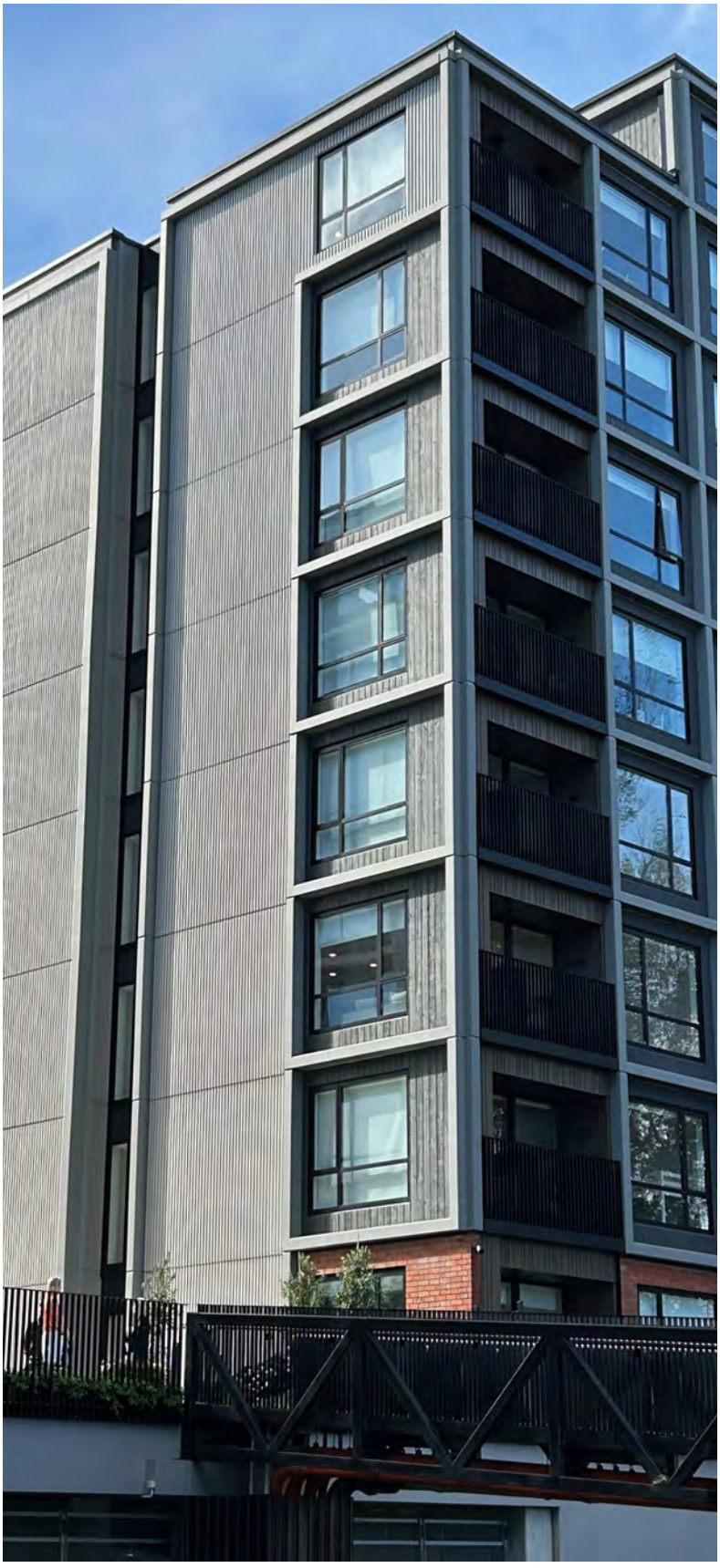
Andy Campbell (Holcim NZ) presents the Sylvia Park BTR in-situ shear walls project team with the award.

SYLVIA PARK BUILD-TO-RENT (BTR) ARCHITECTURAL IN-SITU SHEAR WALLS, AUCKLAND

Dominion Constructors delivered two 21.7-metre-high in-situ architectural shear walls for the Sylvia Park build-to-rent development in Auckland. The walls featured a ribbed pattern with 100mm projections, precisely aligned with the adjacent precast façade, requiring expert coordination across formwork design, structural detailing, and jump-form construction.

The judges were impressed by the architectural quality of these large in-situ concrete walls, which form a striking feature of the development. Dominion's use of custom formwork, including laser-cut moulds and a bespoke tremie pipe, delivered precise detailing and high-quality concrete placement. Also praised was the coordination of design, engineering, and construction expertise, which aligned structural and aesthetic goals while eliminating the need for additional cladding - showcasing both design ingenuity and construction efficiency.

Project Team. Dominion Constructors, Kiwi Property Group, Holmes Group, Naylor Love and Ashton Mitchell Architects.



POWERPAC
GroutSnout®

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE INFRASTRUCTURE

William Ford (PowerPac Group- second from right) presents representatives from the Te Ara Tupua Alliance with the award.

TE ARA TUPUA, WELLINGTON

Te Ara Tupua is a transformational coastal pathway linking Wellington and Lower Hutt. Through innovative use of concrete – including XBlocPlus® armour units, ECOncrete® tidal pools, and enhanced reef structures – the project protects vital infrastructure, enhances marine habitats, and expresses mana whenua values. It sets a new benchmark for sustainable, resilient coastal design in Aotearoa.

The judges were impressed by the project's ambitious scope and sophisticated use of concrete to address seismic and environmental challenges. Te Ara Tupua demonstrates how tailored concrete solutions can reduce carbon, shorten construction timeframes, and enhance habitat complexity. From seismic-tested XBlocPlus® revetments to precast ecological features and submerged reef structures, this project redefines what low-carbon, culturally grounded infrastructure can achieve. It stands as a national exemplar of concrete's potential to serve communities, nature, and future generations.

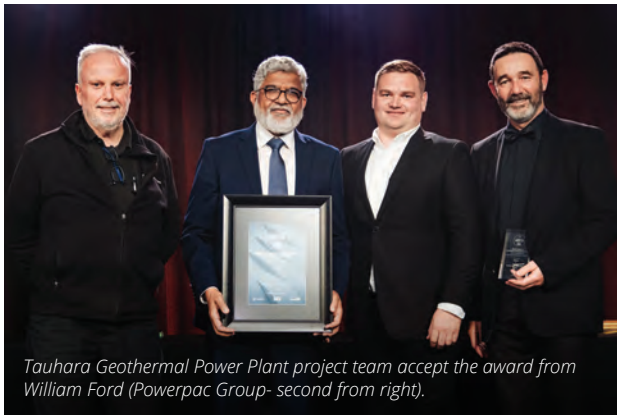
Project Team. Te Ara Tupua Alliance, NZ Transport Agency Waka Kotahi, Downer NZ, HEB Construction, Tonkin + Taylor, Brian Perry Civil and Preco Precast Concrete.

POWERPAC GroutSnout

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE INFRASTRUCTURE

HIGHLY COMMENDED



Tauhara Geothermal Power Plant project team accept the award from William Ford (Powerpac Group- second from right).

TAUHARA GEOTHERMAL POWER PLANT

Contact Energy's 174 MW Tauhara Geothermal Power Plant near Taupō supplies 3.5% of New Zealand's electricity demand using sustainable geothermal energy. Concrete was central to the plant's resilient and efficient design, with approximately 10,000 m^3 used in turbine foundations, pipe supports, and other critical infrastructure – engineered for durability in a highly aggressive geothermal environment.

The panel commended the project for its outstanding use of concrete to deliver low-carbon, climate-resilient infrastructure. Facing seismic, geotechnical, and geothermal challenges, the team achieved durable, high-performance outcomes through smart mix design, detailing, and modular construction. Replacing 30% of cement with fly ash reduced embodied carbon, while the robust concrete structures ensure long-term reliability and lower maintenance. The project demonstrates how concrete can meet complex environmental, structural, and sustainability demands in critical infrastructure delivery.

Project Team. Beca, Contact Energy Limited (CEL), Naylor Love, Firth Industries, Allied Concrete, CLL Service & Solutions, Contech, Fuji Electric, Sumitomo Corporation.

POWERPAC GroutSnout®

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE INFRASTRUCTURE

HIGHLY COMMENDED

Alastair McIntosh and John McIntosh (McIntosh Precast) accept the award from William Ford (Powerpac Group- second from right).

SH94 HOMER TUNNEL AVALANCHE SHELTER

To improve resilience on SH94 Milford Road, NZ Transport Agency Waka Kotahi commissioned a replacement avalanche shelter at the Homer Tunnel. Constructed in a remote, high-risk alpine environment, the shelter uses robust precast concrete to withstand extreme avalanche, seismic, and rockfall forces, while blending into the Fiordland National Park landscape.

The judges highlighted the project's outstanding response to resilience and environmental challenges in a UNESCO World Heritage site. Concrete was pivotal – offering structural strength, seismic robustness, and low maintenance durability in a remote and hazardous location. Precast construction reduced time on site, lowering carbon emissions and minimising environmental disruption. Innovative detailing, digital modelling, and cultural design integration showcased concrete's versatility in delivering infrastructure that is not only safer and stronger, but also sensitive to its surroundings.

Project Team. NZ Transport Agency Waka Kotahi, Downer NZ, WSP NZ and McIntosh Precast.


CONCRETE CO
AWARD

ONSTRUCTION
OS 2025

ncretenz
LDING RESILIENCE

HIGGINS CONCRETE

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE FOR THE COMMUNITY

HIGHLY COMMENDED

Mike Botherway (Higgins Concrete) presents Clayton Heine and Alastair Ryall (StructureTech) with the award.

WI NEERA WALKWAY, RAGLAN

The Wi Neera Walkway in Raglan transforms a coastal path into an inclusive, resilient community asset. Using in-situ concrete, the project strengthens an 80-year-old seawall, preserves historic pohutukawa, and weaves a durable, accessible structure into the natural and cultural landscape – enhancing safety, recreation, and connectivity along Raglan's iconic shoreline.

The judges commended this project for its thoughtful integration of concrete in a sensitive coastal environment. The team overcame tidal, environmental, and structural challenges through innovative in-situ techniques, adaptive reuse, and durable design.

Fly ash reduced embodied carbon, while cantilevered elements protected native trees. The result is a graceful, long-lasting structure that honours heritage and improves public access. The Wi Neera Walkway exemplifies how concrete can enrich communities – enhancing safety, promoting active transport, and celebrating place through clever, site-specific design.

Project Team.
StructureTech, Contech, MSC Consulting Engineers and Waikato District Council.

(CATEGORY SPONSOR)

EXCELLENCE IN COMMERCIAL CONCRETE

Tony Nawisielski and Rakesh Nauhria (Nauhria Group) and Maurice Langdon (Eclipse Architects) accept the award from Cameron Lee (Firth Industries).

MĀNAWA BAY, AUCKLAND INTERNATIONAL AIRPORT

Mānawa Bay at Auckland Airport is New Zealand's largest premium outlet shopping destination, integrating over 36,000 m² of concrete flooring and 2,300 m² of low-carbon architectural precast panels. Designed to reflect the arrival of the first waka and honour the local environment, the centre sets a national benchmark for sustainable, high-performance commercial construction – and is the country's first retail outlet centre to achieve a 5 Green Star design rating.

The judges were struck by the scale, vision, and collaborative excellence behind Mānawa Bay.

This complex commercial development brought together top-tier professionals across architecture, engineering, and construction to deliver a landmark project at New Zealand's busiest airport. Concrete played a central role – from durable, low-carbon façade panels to high-spec polished floors – enhancing aesthetics, reducing embodied carbon, and maintaining performance through demanding site conditions. Mānawa Bay is a beacon of innovation, sustainability, and design sophistication in modern concrete construction.

Project Team. Auckland International Airport, Nauhria Precast, Eclipse Architects, TRCB Architects, Day Consultants, Savory Construction, Polished Concrete (PCL), Firth Industries, Stevenson Concrete, Conset Construction and Bespoke Landscape Architects.

CANZAC®
Under Slab - In Slab - On Slab®

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE INNOVATION

Rachael Mackman and Richard Flanagan (Lattey Group) accept the award from David Sneyd (Canzac Group).

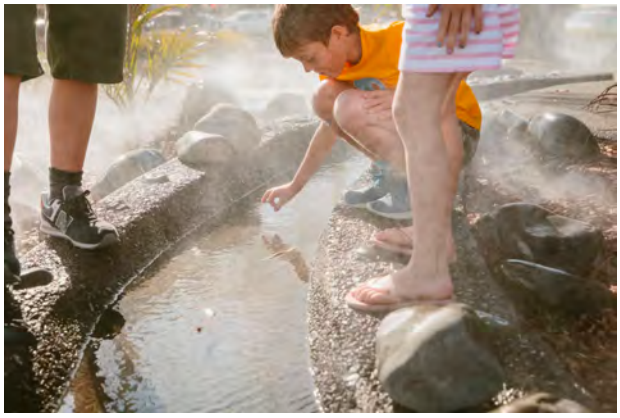
ECOREEF® AT RIVER ROAD, AKITIO

Developed through collaboration between a local inventor, contractor, and council, the EcoReef® system has delivered an innovative concrete solution to severe erosion challenges along the Ākitio River in the Tararua District. Over 1,100 modular reinforced concrete units were installed to reinstate critical roading infrastructure, enhance fish habitat, and provide long-term resilience in a culturally and environmentally sensitive site.

The judges recognised EcoReef® as a ground-breaking concrete innovation addressing a real-world infrastructure challenge with strength, simplicity, and ingenuity. The modular, interlocking concrete units – designed for rapid installation and long-term durability – restored a storm-damaged rural lifeline while enhancing ecological outcomes and respecting iwi values. This homegrown solution, born from coastal adversity and hands-on experimentation, exemplifies the creative potential of concrete when paired with practical insight and community collaboration. A transformative project with national relevance and future-facing impact.

Project Team. Lattey Group, Tararua Alliance, EcoReef®, Tararua District Council, Bridgeman Concrete and Agmar Tools.

EXCELLENCE IN CONCRETE LANDSCAPING



Andrew McMillan and Kristina Salmons (AMC Contracting) accept the award from Paul Wymer (Concrete NZ Honorary Life Member).

WAIAROHA HERETAUNGA WATER DISCOVERY CENTRE

Waiaroha Heretaunga Water Discovery Centre in Hastings transforms a critical water infrastructure site into an inspiring public space that celebrates environmental stewardship and community learning. Central to the landscape is the expert use of permeable and decorative concrete – delivering complex pathways, riverscapes, amphitheatre steps, and drainage systems that emulate the natural journey of water, blending technical precision with cultural storytelling.

The judges applauded Waiaroha for its outstanding use of concrete to shape a community landscape with a strong environmental and educational purpose. The intricate execution of permeable concrete, curved pathways, exposed aggregate finishes, and a concrete "river" showcases a high level of craftsmanship and innovation. The project demonstrates how concrete, when used with imagination and care, can support sustainability, reflect cultural narratives, and create spaces that connect people to place and purpose.

Project Team. AMC Contracting, Gemco Construction, Firth Industries and Hastings District Council.

concretenz
BUILDING RESILIENCE

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE REMEDIATION AND REUSE

Rob Gaimster (Concrete NZ - first left) presents the Regions 3 & 4 Bridge Strengthening project team with the award.

REGIONS 3 & 4 BRIDGE STRENGTHENING PROGRAMME

The Regions 3 & 4 Bridge Strengthening Programme rehabilitated 14 concrete bridges across the Waikato and Bay of Plenty using Fibre Reinforced Polymer (FRP) technology. This innovative approach extended service life, reduced embodied carbon by up to 99%, preserved heritage structures, and enabled freight efficiency – demonstrating concrete's adaptability for climate-resilient infrastructure in regional New Zealand.

The judges were impressed with the programme's commitment to preserving and strengthening concrete infrastructure through innovative, low-impact techniques. By adopting FRP strengthening over full deck replacement, the project achieved dramatic reductions in embodied carbon, construction waste, and disruption – while enhancing durability and seismic resilience. The team's ability to work under live traffic and tailor solutions across diverse sites speaks to outstanding technical skill and collaboration. This initiative sets a high standard for sustainable concrete remediation and future-proofing regional transport networks.

Project Team. NZ Transport Agency Waka Kotahi, Beca and Contech.

concretenz
BUILDING RESILIENCE

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE REMEDIATION AND REUSE

HIGHLY COMMENDED

The SH1 Mangatoetoenui Stream Bridge Replacement project team accept the award from Rob Gaimster (Concrete NZ - centre).

SH1 MANGATOETOENUI STREAM BRIDGE REPLACEMENT

During a scheduled closure of Desert Road, the SH1 Mangatoetoenui Stream Bridge underwent a transformative upgrade – replacing its aging timber deck with a precast concrete superstructure. By embracing Design for Manufacture and Assembly (DfMA) principles, the team delivered a sustainable, durable solution with minimal disruption, preserving the original substructure and optimising concrete use in one of the country's most critical transport corridors.

The judges commended this project for its smart application of DfMA principles to deliver a high-performance concrete superstructure under intense time pressure. By retaining the existing substructure and fabricating 95% of structural elements off-site, the team minimised carbon, waste, and on-site disruption. This Highly Commended recognises the project's integration of sustainability, innovation, and construction efficiency – setting a strong example for future concrete remediation and repair projects on New Zealand's national highway network.

Project Team. Beca, Oxcon CLL, NZ Transport Agency Waka Kotahi, Eastbridge and Preco Precast Concrete.

BCITO
He Hunga Hanga Mātou
building people

(CATEGORY SPONSOR)

EXCELLENCE IN RESIDENTIAL CONCRETE

Jono Tito (BCITO – first left) presents the Iconic 3D Show Home team with the award.

ICONIC 3D SHOW HOME

The Iconic 3D Show Home in Hamilton is New Zealand's first residential building constructed using 3D-printed concrete technology. Designed to showcase QOROX's innovative wall system, the 167 m² home features over 200 m² of off-site printed concrete panels. Completed in just 99 days, it demonstrates a new era in sustainable, efficient, and visually striking concrete construction for residential settings.

The judges were excited to see the potential of 3D concrete printing realised in a residential context. This show home combines architectural flair with seismic resilience, thermal performance, and remarkable build speed. By integrating a low-carbon, locally sourced mix and producing virtually zero waste, the project represents a leap forward in residential concrete innovation. The result is a home that feels soft and inviting, yet is robust and efficient – proving that concrete's future in housing is not only possible, but already here.

Project Team. Iconic Construction, QOROX, The Architecture People, G.A. Hughes & Associates and Brymer Heights.

Golden Bay

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE REMEDIATION AND REUSE

The Shakespeare Bay Log Yard RCC team accept the award from Ben Marsh (Golden Bay - first right).

SHAKESPEARE BAY LOG YARD, PORT MARLBOROUGH

Faced with the need for a heavy-duty, long-life pavement solution, Port Marlborough adopted New Zealand's first large-scale use of Roller Compacted Concrete (RCC) for its 35,000 m² Shakespeare Bay log yard. Delivered by Rolco in collaboration with Firth, the project cut embodied carbon by up to 50%, eliminated construction waste, and set a new benchmark for resilient, low-emissions port infrastructure – demonstrating RCC's future potential for industrial and other applications across Aotearoa.

The judges were impressed by the pioneering application of Roller Compacted Concrete technology in a demanding port environment. The project demonstrated exceptional foresight, collaboration, and execution – resulting in a durable pavement that drastically reduces embodied carbon, waste, and long-term maintenance. By proving RCC's suitability for New Zealand conditions, the project not only future-proofs key infrastructure but opens new possibilities for sustainable roading nationwide.

Project Team. Auckland International Airport, Nauhria Precast, Eclipse Architects, TRCB Architects, Day Consultants, Savory Construction, Polished Concrete (PCL), Firth Industries, Stevenson Concrete, Conset Construction and Bespoke Landscape Architects.

Golden Bay

(CATEGORY SPONSOR)

EXCELLENCE IN CONCRETE REMEDIATION AND REUSE

HIGHLY COMMENDED

Holona Van-Iddekinge (Conset Construction), Andrew Turnbull (APD Ltd), Bram Smith (Kayasand) receive the award from Ben Marsh (Golden Bay - first right).

APD FACTORY, AUCKLAND

At APD's new factory in Wiri, Auckland, the concrete slab-on-grade floor was constructed using 100% manufactured sand – New Zealand's first commercial application to eliminate natural sand. Engineered with Kayasand's dry, dust-free V7 technology, the mix achieved superior performance and reduced embodied carbon, demonstrating that sustainable alternatives can meet the high demands of industrial concrete applications.

The judges remarked on the standout quality of the technical execution and sustainability leadership shown in this pioneering project. Factory floor slabs are among the most demanding concrete applications, and the team proved that a 100% manufactured sand mix could match performance expectations. The project exemplifies how precision-engineered materials can drive down emissions, conserve natural resources, and deliver robust, high-quality results. This Highly Commended recognises the bold step toward mainstream adoption of low-carbon alternatives in even the most exacting concrete environments.

Project Team. Kayasand, Conset Construction, Richards Consulting Engineers, APD Ltd and Macrennie Commercial Construction.

concretenz
BUILDING RESILIENCE

CONCRETE CONSTRUCTION AWARDS 2025

IN PARTNERSHIP WITH

BCITO
He Hunga Hanga Mātou
building people


CONCRETE
ONSTRUCTION
WARDS 2025
BCITO


GALA MENU

ICONIC WHANGANUI NATIONAL PARK LANDMARK ACKNOWLEDGED WITH 2025 ENDURING CONCRETE AWARD

THE MANGAPURUA BRIDGE – FAMOUSLY KNOWN AS THE BRIDGE TO NOWHERE – HAS BEEN HONOURED WITH THE 2025 ENDURING CONCRETE AWARD AT THE CONCRETE CONSTRUCTION AWARDS, HELD AT THE CORDIS HOTEL IN AUCKLAND ON THURSDAY 5 JUNE.

Presented by Concrete NZ in partnership with New Zealand Independent Cement, the Enduring Concrete Award recognises legacy concrete structures over 40 years old that continue to serve the community, embodying durability, innovation, and architectural or cultural significance.

Completed in 1936, the Mangapurua Bridge sits deep within the Whanganui National Park and remains a striking testament to early concrete engineering. Spanning 40 metres above the Mangapurua Stream, the bridge replaced a decaying timber swing bridge that once served the isolated valley's settlers.

Its robust design, advanced concrete formwork, and exceptional durability have stood the test of time for nearly nine decades - requiring only minor maintenance since its construction.

The judging panel noted the bridge's historical and environmental significance, its enduring service, and the ingenuity of its original construction.

"Despite its remote location, the Bridge to Nowhere continues to captivate around 30,000 visitors each year, offering a powerful reminder of the resilience and permanence of concrete," said panel chair Ralf Kessel, Head of Architecture at Concrete NZ.

The award celebrates more than structural longevity. “This category pays tribute to concrete’s role in shaping New Zealand’s built heritage. The Bridge to Nowhere is a remarkable example of enduring infrastructure - built with limited technology, yet still outperforming expectations nearly a century on,” said Ralf.

Ownership and stewardship of the bridge rests with the Department of Conservation, who were on hand to accept the award.

The biennial Concrete Construction Awards celebrate excellence in concrete design, construction, innovation, rehabilitation and research across nine categories. More than 280 industry professionals attended this year’s event, including architects, engineers, designers, and developers from across Aotearoa.

Previous recipients of the Enduring Concrete Award include Wellington’s Beehive, the Grafton Bridge in Auckland, and the Hawera Water Tower in Taranaki.

Jim Campbell and Josh Adam (Department of Conservation) accept the award from Anthony Jones (NZ Independent Cement).

NZIC NEW ZEALAND INDEPENDENT CEMENT

The 2025 Enduring Concrete Awards was proudly sponsored by New Zealand Independent Cement (NZIC).

CONCRETE NZ CONFERENCE 2025

ON BEHALF OF THE ORGANISING COMMITTEE, IT IS MY GREAT PLEASURE TO WELCOME YOU TO THE 2025 CONCRETE NZ CONFERENCE, TO BE HELD IN AUCKLAND. THIS YEAR'S EVENT PROMISES TO DELIVER AN EXCEPTIONAL MIX OF TECHNICAL EXPERTISE, KNOWLEDGE SHARING, AND VALUABLE NETWORKING OPPORTUNITIES, MAKING IT A MUST-ATTEND EVENT FOR PROFESSIONALS ACROSS THE CONCRETE INDUSTRY.

The Concrete NZ Conference remains a cornerstone for exploring the latest developments and innovations in construction, design, and materials. The 2025 technical programme is set to feature an outstanding lineup of international and local speakers, covering a broad range of topics designed to inform, inspire, and challenge our thinking. Highlights include the ever-popular lightning talks session and opportunities for attendees to contribute to the knowledge exchange by presenting their own papers.

In addition to the technical programme, the conference also provides fantastic opportunities to connect and engage with colleagues and industry peers. Both informal and formal dinners will offer relaxed and enjoyable settings to network, with the formal dinner also incorporating the prestigious industry awards – a true highlight of the event. We're also excited to announce the return of the Concrete Cricket Bat competition, where participants will once again showcase their creativity and skill with this fun and competitive activity.

The venue will provide ample space for trade exhibitors, live demonstrations, and displays of heavy equipment, offering attendees the chance to get up close with the latest products, technologies, and innovations shaping the future of concrete. With its strong focus on technical excellence and collaboration, the 2025 Concrete NZ Conference will bring together professionals from all corners of the industry for an event that is both educational and memorable. I look forward to reconnecting with familiar faces and welcoming new ones to this exciting occasion.

See you in Auckland!

Alistair Russell

Organising Committee Chair

MARK YOUR CALENDARS 15–17 OCTOBER 2025

EXPECT A DYNAMIC MIX OF TECHNICAL EXPERTISE, KNOWLEDGE SHARING, AND NETWORKING OPPORTUNITIES. THE TECHNICAL PROGRAMME WILL FEATURE TOP INTERNATIONAL AND LOCAL SPEAKERS, INSIGHTFUL PRESENTATIONS, AND THE POPULAR LIGHTNING TALKS.

Plus, don't miss the industry awards, social events, and the return of the Concrete Cricket Bat competition!

With trade exhibitors, live demonstrations, and displays of the latest products and technologies, this conference is set to be both educational and engaging.

SAVE THE DATES

Make note of the following details:

- **Conference:** Concrete NZ 2025 Conference
- **Location:** Viaduct Events Centre, Auckland
- **Dates:** 15-17 October 2025

Stay tuned for more details - we can't wait to see you there!

TECHNICAL PROGRAMME OVERVIEW

Date	Day Event	Evening Event
Wednesday 15 October	Pre-conference sessions and meetings	**18.00** Welcome Function
Thursday 16 October	**Conference Day 1** **8.30** Conference Opening Sessions Concrete NZ AGM	**18.00** Formal Conference Dinner and Awards Evening
Friday 17 October	**Conference Day 2** Sessions **15.30** Close	

The Organising Committee reserves the right to make changes to the 2025 programme. A more detailed programme will be available soon.

VIADUCT EVENTS CENTRE – CONTEMPORARY, ACCESSIBLE & FUNCTIONAL2025

We're excited to bring the 2025 Concrete NZ Conference to Auckland's Viaduct Events Centre - a modern, waterfront venue with sweeping harbour views, cutting-edge facilities, and generous space for technical sessions, trade exhibits, and networking.

Centrally located in the heart of the Viaduct, the venue offers easy access to hotels, restaurants, and entertainment. Whether exchanging ideas or making connections, the Viaduct Events Centre sets the stage for a standout conference experience.

PATRONS

PACIFIC STEEL CERTAIN STRENGTH

Golden Bay

HOLCIM

GET READY TO BE INSPIRED AT THE 2025 CONCRETE NZ CONFERENCE!

TAKING PLACE 15–17 OCTOBER AT AUCKLAND'S VIADUCT EVENTS CENTRE, THIS YEAR'S CONFERENCE BRINGS TOGETHER AN OUTSTANDING LINE-UP OF KEYNOTE SPEAKERS WHO WILL CHALLENGE, MOTIVATE, AND INFORM.

From global sustainability leadership and collaborative research to workplace wellbeing and industry capability, our speakers - Dr Andrew Minson, Clare Tubolets, Sir John Kirwan, Dr Fiona Crichton, and Brian Dillon - promise valuable insights for everyone committed to concrete's future and the people who make it possible.

DR ANDREW MINSON
Director Concrete and Sustainable Construction at the Global Cement and Concrete Association's (GCCA)

Andrew leads the GCCA's global sustainability agenda, championing concrete's value in decarbonised, circular construction. He oversaw the Net Zero 2050 Roadmap and drives the Net Zero Accelerator, translating global targets into national action. With deep expertise across the built environment, Andrew advocates for concrete's full lifecycle benefits. A respected Fellow of the UK's Civil and Structural Engineering Institutions, he continues to shape global dialogue on concrete's sustainable future.

CLARE TUBOLETS
CEO SmartCrete CRC

At SmartCrete CRC, Clare steer Australia's concrete sector towards collaborative research and development to enable decarbonisation. A trained microbiologist, Clare has an impressive career spanning research and government program management in sectors from IoT to agriculture. She's an agile leader passionate about connecting world-class researchers with industry to solve practical challenges. Clare thrives on driving innovation that delivers real-world impact, helping the concrete industry meet sustainability demands through cutting-edge collaborative solutions.

BRIAN DILLON
CEO of the Construction Growth Foundation (CGF)

Brian is a seasoned executive leader with deep roots in construction and vocational training. A qualified carpenter, Brian's practical experience spans residential and commercial building projects in both New Zealand and the UK. He brings this hands-on knowledge to his leadership role, driving initiatives that strengthen the construction workforce and support industry growth. Brian's dedication to building capability makes him a respected advocate for the sector's future. He will share the great work the CGF is undertaking on behalf of its members, including Concrete NZ.

SIR JOHN KIRWAN
Co-founder of Groov (via video link)

JK is a celebrated mental health advocate, best-selling author, entrepreneur, and All Black rugby legend. Through Groov, JK aims to uplift workplace wellbeing for millions globally by embedding mental health support into everyday working life. Knighted in 2012 for his mental health advocacy, JK has led courageous public conversations that normalise vulnerability. Renowned for his sporting career, JK remains dedicated to championing mental wellbeing on and off the field.

Sir John Kirwan & Dr Fiona Crichton are proudly supported by Higgins Concrete.

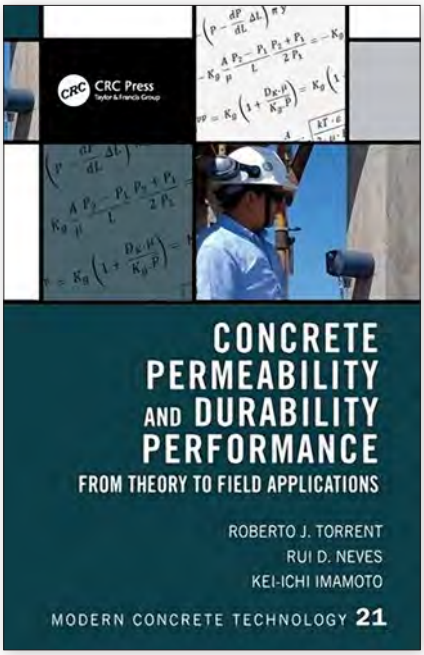
DR FIONA CRICHTON
VP & Clinical Lead at Groov

Well received at the 2024 Concrete NZ conference, Fiona is a health psychology specialist and behavioural scientist with a unique legal background. Her career bridges litigation law, legal writing, and psychology, giving her deep insight into what drives positive behavioural change. Now with Groov, Fiona helps design and implement workplace wellbeing initiatives that boost employee wellness and performance across New Zealand and Australia. Her expertise in workplace mental health makes her a trusted leader in creating healthier, more supportive work environments.

VISIT THE CONFERENCE WEBSITE – https://confer.eventsair.com/concretenz2025

CONCRETE NZ LIBRARY

LISTED BELOW IS A SELECTION OF RECENTLY ACQUIRED MATERIAL BY THE CONCRETE NZ LIBRARY. MEMBERS CAN EMAIL LIBRARY@CONCRETENZ.ORG.NZ TO BORROW THESE ITEMS.



CONCRETE PERMEABILITY AND DURABILITY PERFORMANCE BY ROBERTO J. TORRENT, RUI D. NEVES, AND KEI-ICHI IMAMOTO

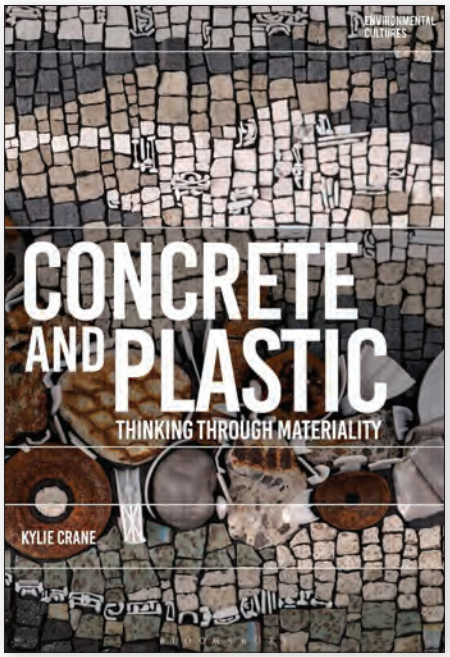
Durability hinges on concrete's permeability. This essential reference bridges theory and practice, illustrating how controlling permeability underpins longevity. Real-world case studies - from Tokyo's Museum of Western Art to the Antarctic- demonstrate practical testing and assessment.

The book details the Torrent Method for measuring air permeability and shows how mix design and on-site checks predict service life and durability. An invaluable guide for engineers and researchers tackling concrete's resilience against aggressive environments.

CONCRETE AND PLASTIC: THINKING THROUGH MATERIALITY BY KYLIE CRANE

This open access book explores how concrete and plastic, defining materials of modernity, shape our future and everyday encounters. Drawing on literature, art, film, policy, science, and culture, Kylie Crane traces how these materials interweave human and non-human worlds in the Anthropocene.

By examining 'future artefacts', she reveals the tensions and entanglements between concrete's solidity and plastic's mutability, urging us to rethink materiality's role in crafting our imagined, built, and ecological futures.



CONCRETE ARCHITECTURE: THE ULTIMATE COLLECTION BY SAM LUBELL AND GREG GOLDIN

This stunning visual compendium showcases 300 striking examples of concrete architecture from the early 1900s to today. Featuring a building per page, it celebrates concrete's sculptural power and global influence, framed by an essay tracing its roots back to Greece and Rome.

Iconic architects like Le Corbusier, Louis Kahn, Zaha Hadid, and contemporary innovators are highlighted. Perfect for Brutalism lovers, this book is a rich tribute to concrete's enduring architectural legacy.

LIBRARY QUIZ

To go in the draw to win a copy of *Concrete and Plastic: Thinking Through Materiality* by Kylie Crane answer the following question:

What project was the recipient of the Premier Award at the 2025 Concrete Construction Awards held recently in Auckland?

Email your answer to **library@concretenz.org.nz**. Entries close Friday 29 August 2025.

Congratulations to Stu Rebar of Hardy Foundations, who correctly answered the Vol. 63 Iss. 03 Library Quiz to receive a copy of *Self Curing Concrete: Use of Green Artificial Aggregates (Gaa) as Self Curing Agents* by Hamidah Mohd Saman and Norhaliza Hamzah.

CONTACTS

Concrete NZ
Readymix Sector Group
Ph (04) 499 0041
Chair: Mike Botherway
Convenor: Rob Gaimster

Concrete NZ
Masonry Sector Group
Ph (04) 499 8820
Chair: Dene Cook
Convenor: Ralf Kessel

Concrete NZ
Precast Sector Group
Ph (04) 499 8820
Chair: Richard Flanagan
Convenor: Dave McGuigan

Concrete NZ
Learned Society
Ph (04) 499 8820
President: Moustafa Al-Ani
Convenor: Adam Leach

Concrete NZ
Reinforcing Sector Group
Ph (04) 499 8820
Chair: Peter Ensor
Convenor: Dave McGuigan

Elevate your project with BOSFA's Design Management Service

CE
0749-CPD
EN 14889-1
06

Comprehensive design support that covers a wide range of aspects, including ULS and SLS calculations, detailing guidance, quality control, and expert specification of steel fibre reinforced concrete.

At BOSFA, we empower engineers by equipping them with knowledge and cutting-edge tools for optimising designs using Steel Fibre Reinforced Concrete (SFRC).

Commitment to design excellence doesn't stop there. With our Design Management Service, we collaborate closely with project engineers to provide a holistic design solution. This service encompasses the entire engineering process, documentation, and certification of Dramix® steel fibre reinforced concrete solutions. Asset owners, developers, builders, and engineers gain direct access to BOSFA's extensive design expertise.

- DESIGN & DETAIL
- CERTIFICATION
- SPECIFICATION
- QUALITY CONTROL
- SITE SUPPORT

We proudly stand as the leading supplier and designer of SFRC (Steel Fibre Reinforced Concrete) solutions in Australasia, and we are 100% owned and backed by Bekaert®, a global industry leader in steel fibres and technology.

ECO PLATFORM
EPD
VERIFIED

CALL 0800 665 755
OR VISIT BOSFA.COM

THE LEADER IN FIBRE REINFORCED CONCRETE SOLUTIONS

BOSFA
Dramix®