



CAPABILITY STATEMENT

TEKTUS
CONSULTANTS

About Us



In early 2015, Tektus was formed to create a distinct multi-disciplinary practice with strong values and a focus on tāngata – people.

Our experienced team delivers a range of professional services, including civil, environmental and land development engineering, environmental planning, flood assessments and nature-based design.

Our values both guide and flow through projects and outcomes we deliver. Our logo underlines our commitment to our people, our clients, and our society – us. It also points to where we all belong – our planet. The pale blue dot.

We engage in creative problem-framing through the dual lens of ngā tāngata and our 'pale blue dot'. Collaborative by nature, led by expertise and guided by te mana o te wai and te ao Māori principles, we partner with other like-minded specialists to deliver the highest quality outcomes across Aotearoa.

*"Look again at that dot.
That's here. That's home. That's us."*

Carl Sagan

Our Values

CREATIVITY

Inspiring imagination and inventiveness

FLEXIBILITY

Adapting to new, different, or changing needs

OPTIMISM

Trusting our 'pale blue dot' is the best possible world

SIMPLICITY

Freedom from complexity

RESPONSIVE UNDERSTANDING

Sustaining empathy when engaging with or understanding others

Our values reflect contemporary thinking to shape a sustainable future - a future for all in an ever-changing world. To us, these are a modern definition of sustainability, focused on people, the environment and emerging technologies.

At Tektus we:

- Enhance environmental outcomes through a holistic catchment-wide approach that benefits receiving environments - mai i terangi ki te whenua, mai i uta ki tai.
- Support our team to explore and deepen our understanding of te ao Māori, to deliver outcomes shaped by listening to and working alongside mana whenua.
- Believe the best regenerative outcomes honour Māori partnerships, creating liveable communities and sustainable infrastructure.
- Are open and enthusiastic, drawing strength from our diversity. From Gen-Z to seasoned experts, our multicultural team brings a rich mix of perspectives to every project.



Our People



Jack Turner has 20 years of experience, specialising in land development, resource consents, and three-waters management. He leads the delivery of comprehensive infrastructure and land development projects, drawing on his civil and environmental engineering expertise and planning qualifications. He nurtures engineering and planning talent through a collaborative approach and strong communication skills. Jack's contributions have earned him industry-wide recognition, including his appointment as an independent hearing commissioner.

Pou Whakarae · Director
BE(Civil) MRP(Hons) CPEng

Dr Emily Afoa (Ngāpuhi | Ngāti Maniapoto) has 19 years of experience delivering catchment-scale water management, public infrastructure, and land development projects. At Tektus, she leads with purpose, foregrounding mātauranga and tikanga Māori in water-sensitive design and infrastructure delivery. Emily is recognised nationally as a thought leader, striving to bridge te ao Māori and engineering technical excellence, shaping how communities engage with infrastructure and guided by a commitment to te mana me te mauri o te wai.



Pou Whakarae · Director
BA/BE (hons) PhD (Civil) CPEng

Our team of over 20 talented, authentic and purpose-inspired professionals have been brought together with similar values and long-term aspirations to deliver better outcomes for us all.



Engineering Team Lead

Dali Suljić, a Chartered Professional Engineer with expertise in three waters design, water-sensitive solutions, and hydraulic modelling, leads our Engineering Team in delivering residential and commercial land development projects. Dali tailors delivery to meet individual project needs, building strong and lasting relationships with clients.



Environmental Team Lead

Hillary Johnston, a Certified Environmental Specialist, leads our Environmental Team in resource consenting, compliance, and technical environmental assessments. She excels in statutory and regulatory interpretation. Her strong understanding of the RMA and excellent communication skills make her invaluable for sustainable environmental solutions.



Digital Engineering Team Lead

Yassenko Krpo, with over 30 years of engineering experience in infrastructure and environmental projects, leads our team of digital specialists. He has held senior roles in the private sector and local government, both here and overseas. Yassenko combines engineering and business skills, fostering a collaborative and innovative approach to meet client requirements.

Our Expertise



Tektus are industry-recognised engineering, environmental and planning specialists. Our balanced and technically strong team ensures optimal project delivery.

We approach engineering as a creative profession, planning as an empowering and constructive process, and view environmental issues as critically important.

By embracing collaboration, sustainability, and a deep understanding of people and the environment, we deliver high-quality, inclusive project outcomes for developers, government organisations, iwi, hapū and Māori entities, and community groups.

Our areas of expertise include:

- Land Development
- Environmental Services
- Regulatory Assessments and Planning
- Asset Management
- Public Infrastructure

“While our expertise and core skills are technically focused, it’s our ability to understand the relationship tāngata whenua have with whenua (land) and wai (water) that strengthens the outcomes we can produce.”

Emily Afoa • Director

Land Development

Since 2015, we've worked on over **500** projects across Aotearoa, including residential, commercial, industrial developments, papakāinga, and infrastructure upgrades. We deliver tailored land development solutions that combine technical excellence with cost-efficient outcomes.

Our expertise includes:

- Subdivision design and layout
- Earthworks, erosion, and sediment control design, management, and compliance
- Road geometric design
- Wastewater solutions via network connection or on-site treatment
- Water supply and utilities solutions
- Water sensitive design services, nature-based solutions and stormwater reticulation
- Stormwater modelling and flood hazard assessments
- Stormwater and environmental management plans
- Construction monitoring, observation, and compliance

Every project is unique. Our multidisciplinary team takes a collaborative approach, delivering solutions that reflect site context, client goals, and the needs of communities and the environment. We help clients navigate Council requirements, cutting through complexity to deliver balanced, practical solutions that are built to last.

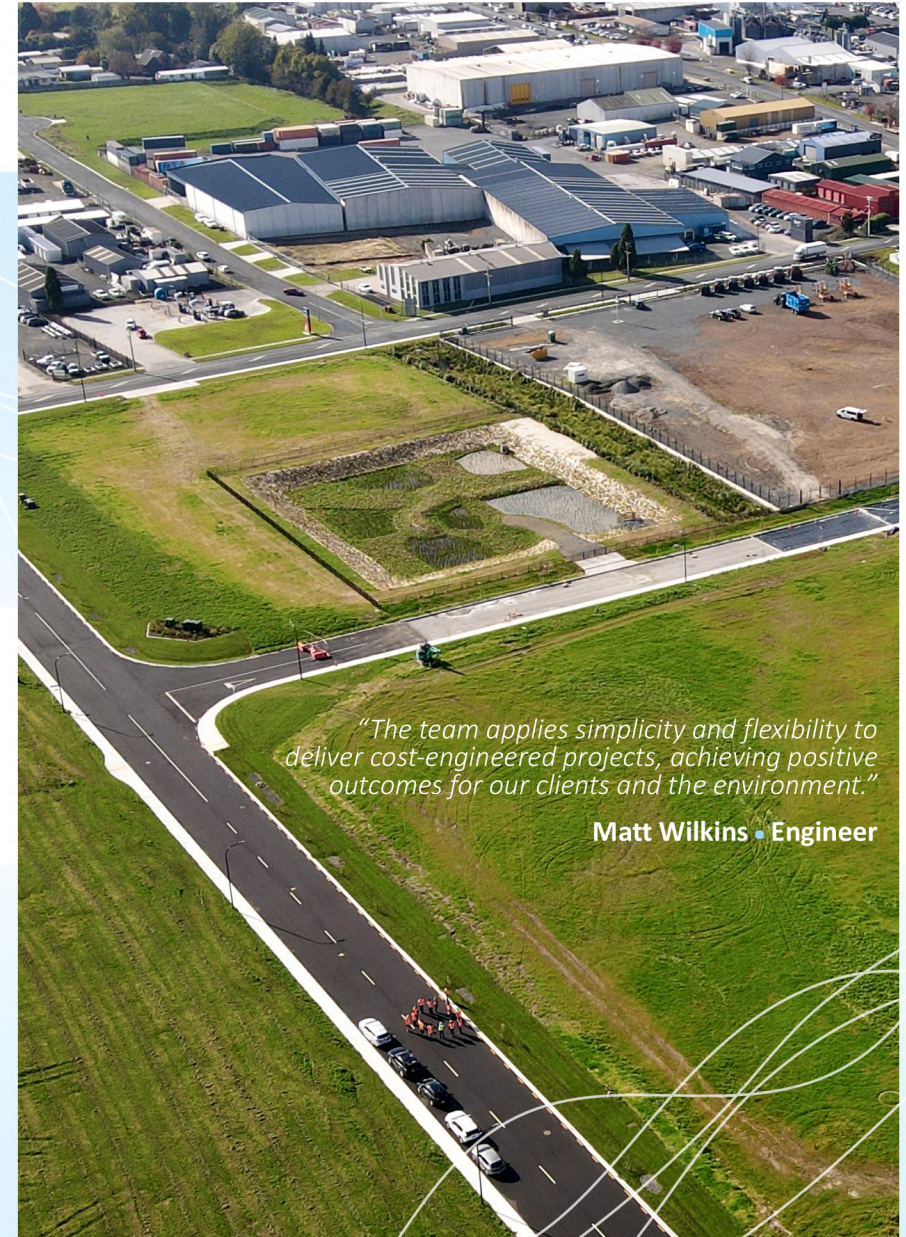
Project Highlights

Maungārongo Project

We lead the civil engineering design for Maungārongo Project as part of the Unitec redevelopment 10ha/10yr Ockham-Marutūāhu Partnership scheme. We provide innovative and responsive civil solutions to the site constraints and cultural context for the development, leading it through the staged resource consents to s224c sign-off. Additionally, we delivered construction phase documentation, tender support, and construction contract management.

AIP Ltd, Morrinsville

We supported the development of a live zoned industrial subdivision, managing stormwater discharges and collaborating with Councils to address existing downstream flood hazards and network capacity, via staged resource consents. We designed wastewater and stormwater networks, including wetlands, road infiltration trenches, and a new public network extension to a new stream outfall.



"The team applies simplicity and flexibility to deliver cost-engineered projects, achieving positive outcomes for our clients and the environment."

Matt Wilkins • Engineer

Environmental Services

We offer a comprehensive suite of environmental assessments and management plans for projects across Aotearoa. Our expert advice is rooted in science and regulation, and shaped by listening to mana whenua and honouring te ao Māori. We communicate complex information clearly and seamlessly integrate planning, engineering, and environmental disciplines.

Our expertise includes:

- Stormwater and wastewater assessments
- Discharge consent reviews
- Management, monitoring, and maintenance plans
- Earthworks and contaminated land consents
- Urban and rural water cycle planning

Our integrated environmental assessments blend environmental science, regulatory requirements, cultural values, and strategic planning.

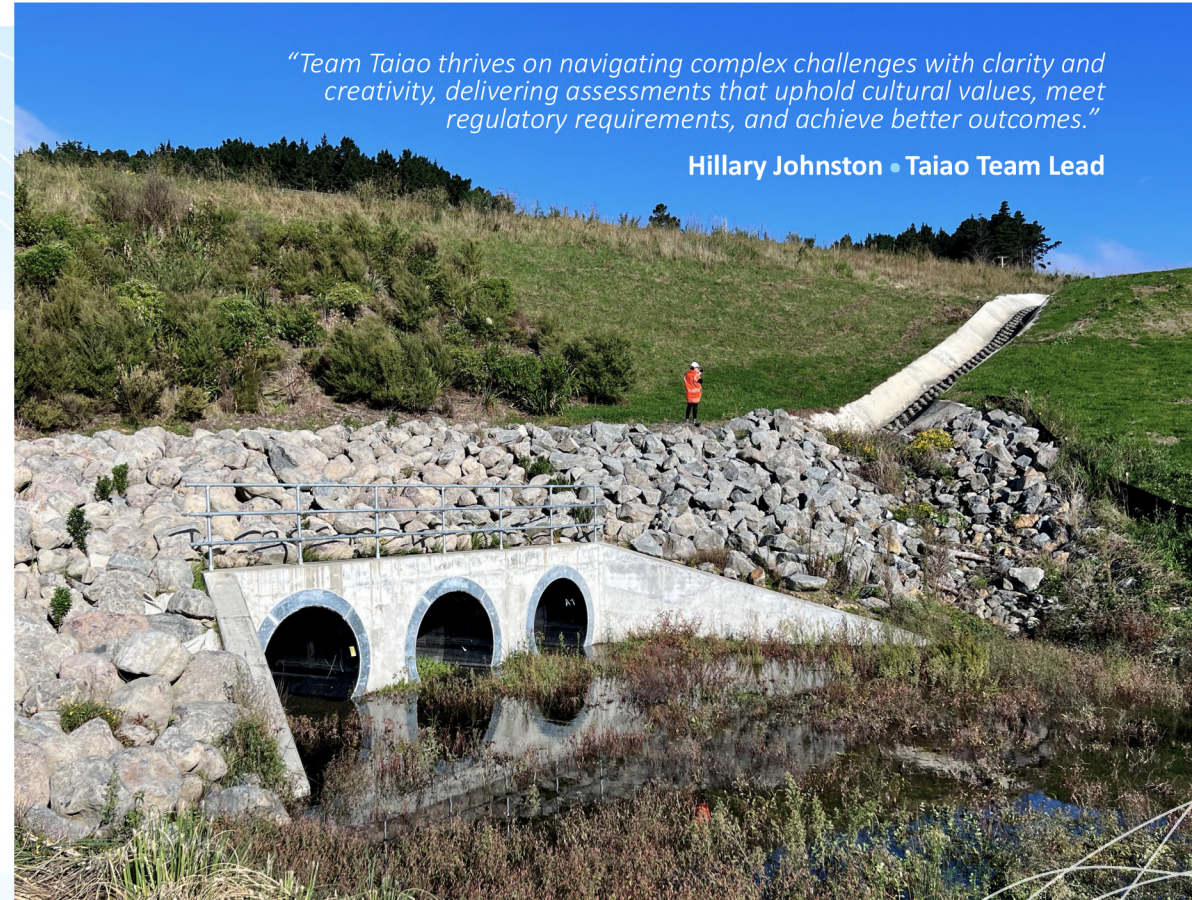
We offer high-quality management plans and robust monitoring programmes designed to support sustainable land and water use, especially in complex, multi-stakeholder environments and high-risk settings.

We collaborate with public and private clients, including Council departments, and have contributed to significant projects such as the Transmission Gully Motorway and Watercare's Central Interceptor Project. By partnering with planners, engineers, legal counsel, and mana whenua, we integrate best practice design and cultural responsiveness to deliver resilient, community-focused outcomes.

Project Highlights

Auckland System Management (ASM)

We supported ASM by preparing site-specific environmental plans, including erosion and sediment control, dewatering, contaminated land management, and fish relocation. Our plans translate regulatory requirements into practical tools for contractors, ensuring environmental risks are well managed across Auckland's state highways.



"Team Taiao thrives on navigating complex challenges with clarity and creativity, delivering assessments that uphold cultural values, meet regulatory requirements, and achieve better outcomes."

Hillary Johnston • Taiao Team Lead

Transmission Gully

We supported Ventia with a comprehensive handover assessment for Transmission Gully. This included stormwater design defect analysis, an audit of 141 consents and over 5,000 conditions, and development of a 25-year Operational Environmental Management Plan covering stormwater management, pest control, weed management, emergency works, and spill response procedures.

Regulatory Assessments and Planning

We provide expert advice to help our clients navigate complex projects with confidence. Our team collaborates with Councils, iwi and hapū, and technical specialists, including engineers, architects and ecologists, to offer inclusive, clear, and practical advice for robust decision-making.

Our expertise includes:

- District and regional resource consent preparation and processing
- Regulatory engineering reviews
- Hearing, mediation and Environment Court representation
- Expert assessments, reporting and technical reviews
- Integrated planning for infrastructure and urban development

Resource Consent Processing: As council agents, we manage and process resource consent applications, ensuring regulatory standards are met through careful assessment, coordinated stakeholder engagement, and clear communication. In addition, we provide specialist technical review and advice on stormwater, wastewater, and industrial discharge consent applications, ensuring compliance with legislative frameworks.

Our team has represented Councils on nationally significant projects, including the America's Cup, NZTA Northern Corridor Improvements, Western Ring Route, Penlink, and NZ Steel.

Assessment of Environmental Effects: We prepare clear and comprehensive AEE reporting to support private clients through the resource consent process. Our team addresses planning requirements and environmental considerations to give applications the best chance of success.

Project Highlights

Stormwater, Wastewater & Industrial Trade Activities (SWWWITA)

On behalf of Auckland Council, we lead the technical assessment of high-profile and complex consent applications for stormwater, wastewater, and industrial discharges. Our expertise in regulatory frameworks and technical review ensures robust, defensible outcomes that balance environmental protection with infrastructure and development needs.

"Our unique ability to reframe problems creatively and inclusively allows us to provide practical, grounded advice that balances regulatory requirements with cultural values."

Kelly McCabe • Senior Planner



Windfarm Resource Consent & Project Management

We led the preparation of the Assessment of Environmental Effects (AEE) and provided RMA planning support and management for Ventus Energy's Kaimai Ranges windfarm. Our work included coordinating multiple specialist inputs and addressing complex environmental, community, and mana whenua effects during a notified resource consent process.

Asset Management

We help clients to manage infrastructure assets through cost-effective, resilient solutions that improve network performance and community outcomes.

By combining engineering expertise with data-driven insights, we help optimise asset performance and extend asset life across complex portfolios.

Our expertise includes:

- End-to-end intelligent asset management, from condition and performance assessment through to maintenance and operations
- Data creation, acquisition, and analytics with effective dashboards and automated reporting for informed decision-making
- Strategic planning and optimisation of capital and operational investment across the asset lifecycle
- Growth, demand, upgrade, renewal, and risk management planning
- Stakeholder engagement and reporting
- Asset verification, validation and compliance

Guided by Āpōpō NZ and ISO 55000, we take a whole-of-life approach that balances financial, environmental, and social priorities. Our work embeds cultural responsiveness in every decision and drives continuous improvement in infrastructure planning and delivery.

Project Highlights

Auckland Council 2022-2025

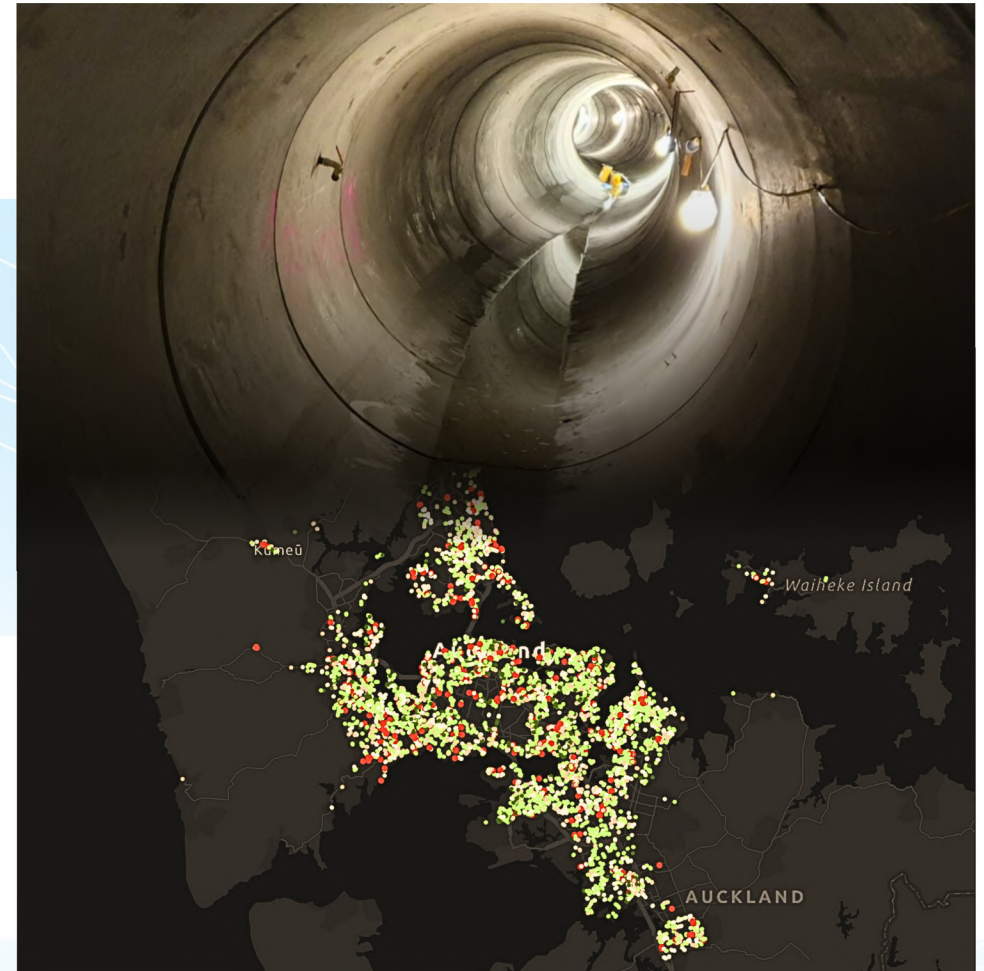
We deliver ongoing, data-driven triaging of Auckland Council's stormwater network, enabling risk-based asset prioritisation and targeted recommendations for repair, replacement, or upgrade. By pinpointing specific faults within each asset, we help optimise projected maintenance costs and support more efficient long-term planning.

Gisborne District Council 2025

Combining data, engineering expertise, and geospatial analysis, we delivered a detailed assessment of the stormwater network, considering factors such as proximity to other infrastructure. We delivered an assessment report with capital investment and monitoring recommendations, supported by an interactive dashboard to facilitate stakeholder communication.

Auckland Council 2025

We developed a two-step, controlled process for repeatable analysis, review, and metadata capture of all stormwater assets within KiwiRail land. Built on a reliable, auditable dataset. Our deliverables include a spatial data viewer, a decision capture tool, and an automated metadata tool to update Auckland Council's GeoPortal with asset information.



Public Infrastructure

Infrastructure is fundamental to thriving communities, economic growth, and land development. We provide strategic and technical support across the full lifecycle of public infrastructure projects, from feasibility and stakeholder engagement through to detailed design, construction support, and certification. Our expert guidance helps clients navigate complexity and deliver infrastructure designed for the long term.

Our expertise includes:

- Business case development, feasibility and optioneering
- Stormwater, wastewater, and water supply infrastructure design
- Catchment planning and management
- Flood hazard and risk assessment
- Hydraulic and hydrologic modelling
- Water sensitive design and nature-based solutions
- Management, Surveillance and Quality Assurance (MSQA)

Water is central to our work, sustaining ecosystems, connecting people, and shaping development outcomes. We integrate design and cultural considerations to create nature-based, catchment-wide solutions that enhance outcomes for communities and the environment.

Combining multidisciplinary expertise, technical skill, strategic insight, and stakeholder input, we deliver fit-for-purpose, cost-efficient solutions that meet the brief and anticipate future needs.

Project Highlights

Clifford Street

We led the optioneering and development of a stormwater upgrade strategy for Gisborne District Council. The project addressed severe site constraints through practical, constructible solutions that balanced infrastructure improvements and flood risk reduction, addressing both current and future stormwater management challenges.



"We excel at delivering cost-effective and resilient infrastructure by combining technical expertise with values-led thinking, creating sustainable outcomes for our clients, communities, and the environment."

Dali Suljić • Engineering Lead

College Hill

Following the January 2023 flooding event, we led the design of a stormwater infrastructure renewal solution as part of Auckland Council's urgent works. Our team responded dynamically to complex challenges through design and construction, enabling swift implementation while meeting future loading requirements and ensuring the long-term resilience of this critical infrastructure.



- **Client** - Gisborne District Council
- **Location** - Whataupoko, Tairāwhiti Gisborne
- **Scope** - Site investigation, options assessment, detailed design delivery and preparation of tender documents
- **Duration** - 2024-2025

Tektus was engaged to support stormwater upgrades in Whataupoko, with a focus on Clifford Street. Hydraulic modelling commissioned for the area identified network capacity issues and localised flooding during the 10% and 1% AEP events.

Further site investigation confirmed significant constraints, including minimal fall across the area, high groundwater, and existing infrastructure within the public road reserve.

Tektus provided recommendations to Gisborne District Council that focused on practical, constructible solutions to address both current and future stormwater management challenges.

We adopted a risk-based approach, prioritising upgrades that balance infrastructure improvements with flood risk reduction.

Targeted upgrades were provided to address critical issues while ensuring cost-effective implementation. These included improving secondary network connectivity through new stormwater assets and swale inlets at key intersections.

The project seeks to integrate sustainability and digital innovation. It represents a key step in building a long-term partnership with Gisborne District Council across Three Waters, Compliance, and Reviews.

Our Projects

Pongakawa and Te Rere I Maniatutu Constructed Wetlands



- **Client** - Bay of Plenty Regional Council
- **Location** - Pongakawa, Te Moana a Toi Bay of Plenty
- **Scope** - Detailed hydraulic, civil and 3D design to produce construction drawings
- **Duration** - 2021-2022

*Baygold, Te Rere I Maniatutu Constructed Wetland
Drone image taken by Andy Belcher, Legendary Photography (February 2024)*

We provided specialist hydraulic, civil, and 3D design expertise for two demonstration wetlands in the Waihi Estuary catchment. Built in 2022 using NIWA's guidelines for constructed wetlands, early-stage results show the wetlands achieved over 50% nitrogen and 75% phosphorus reduction, demonstrating the effectiveness of constructed wetlands in reducing agricultural pollution.

The project was led by Bay of Plenty Regional Council (BOPRC) and delivered in collaboration with landowners, Ngāti Pikiao, Earth Science NZ, Tektus and Ridley Dunphy.

BOPRC managed consenting, design oversight, monitoring, and community engagement, including wānanga with iwi. Ngāti Pikiao guided the design, naming, and cultural integration, ensuring the wetlands uphold local cultural values and local aspirations.

Earth Science NZ provided scientific advice, monitoring, and data analysis. Ridley Dunphy provided technical support across design, consenting, and construction processes.

The wetlands have enhanced amenity, become local landmarks, and filled a knowledge gap on constructed wetland performance in rural settings. Winner of the Water NZ Environmental Sustainability Project Award for 2025, this collaborative, culturally aligned initiative provides a replicable model for sustainable rural land and freshwater management across Aotearoa.

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