

OUR 2025 SUSTAINABILITY COMMITMENTS

ENVIRONMENT



Achieving the energy transition

CASE STUDY: BOND BREAKER TRIAL

Reducing waste, costs and impact

In January 2024, the lines foundation crew in Omexom New Zealand's Transmission and Substations Perimeter, trialled a sustainable bond breaker alternative in Fiordland National Park to minimise environmental impacts and protect biodiversity.

The traditional bond breaker, Sika Formol, is commonly used for steel formwork and poses significant drawbacks:

- Environmental hazards due to combustibility
- Toxicity to aquatic life, vegetation, and wildlife
- Long-term health risks, including potential cancer and fatality if ingested
- The need for extensive protective equipment

To address these issues, the team tested canola oil, a locally-sourced and sustainable alternative. Canola oil offers numerous benefits:

- Non-toxic: Safe for humans, animals, and vegetation
- Eco-friendly: Reduces risks to waterways, wildlife, and plants
- Improved safety: Eliminates chronic health risks linked to Sika Formol, reducing PPE requirements and hazardous waste
- Affordable and readily available in large quantities from local supermarkets



The trial, conducted on the base plate foundation repair, proved that canola oil effectively prevented concrete and grout from adhering to steel formwork, performing comparably to Sika Formol.

Using canola oil as a replacement for Sika Formol in steel formwork applications significantly enhances environmental sustainability and occupational safety. The successful initial trial demonstrates its viability, paving the way for broader application and potential global adoption.

This approach reduces environmental and health risks, and aligns with sustainable practices, offering a practical, cost-effective, and safer alternative in the energy supply industry.



CASE STUDY: BAG RECYCLING

Recycle of reinstatement bags

In 2023, Omexom New Zealand launched a recycling programme for reinstatement bags previously destined for landfills, contributing to unsustainable waste practices.

Recognising the need to combat climate change and reduce its ecological footprint, the Gas stores team partnered with Bag Boys, a recycling vendor, to implement this initiative.

Under the programme, used reinstatement bags are collected, washed, and processed by Bag Boys for recycling. The recycled LDPE material is re-purposed into durable products, such as robust boards for animal enclosures, ruck linings, corrugated drainage pipes, and flexible plant protection materials. This process diverts waste from landfills, promoting sustainable practices.



Omexom's decision to recycle demonstrates a commitment to sustainability, aligning with parent company VINCI's goals for waste management and carbon reduction. By adopting proactive strategies, the company emphasises the importance of environmental accountability and fosters eco-friendly solutions for a better future.

Omexom is dedicated to embedding community responsibility values and tackling critical sustainability challenges. The launch of this programme marks a significant step towards reducing the company's environmental footprint, while upholding principles of durability and ecological stewardship. It serves as a model for integrating sustainability into operations, benefiting both internal and external stakeholders.



CASE STUDY: LEAK REDUCTION

Gas leak sniffer reduces impact



Omexom has deployed first one, then two, advanced vehicles in Auckland to survey the Vector gas network, covering approximately 7,000 kilometers.

Known as SELMA (Street Evaluating Laser Methane Assessment) system and a portable backpack version. This strategic move enables Omexom to double its surveying frequency, shifting from biannual to quarterly surveys.

Another vehicle is now operating in Hamilton on the Firstgas network. Gas leaks, common in gas distribution networks, contribute to greenhouse gas emissions. To address this, Omexom has escalated its detection and response strategies. ENVIRONMENT Promote Green Growth

Additionally, Omexom uses portable backpack units for areas inaccessible by vehicles, ensuring comprehensive coverage.

The backpack SELMA further extends the team's reach, allowing inspections in areas inaccessible to vehicles. This ensures thorough coverage of even the hardest-to-reach sections of the gas network.

A video explaining the innovation and benefits of SELMA can be found <u>here</u>.



By implementing this cutting-edge technology, Omexom helps Vector identify and address gas leaks much sooner than previously possible.

CASE STUDY: REDUCE CARBON EMISSIONS

Gas leak sniffer reduces impact (cont)

With the enhanced detection capability, the survey frequency can be increased, while Omexom reduces the average duration of leaks, minimising environmental impact and enhancing network safety.

This early detection allows for timely corrective maintenance, significantly enhancing public safety and reducing the risk of serious incidents.

Moreover, the ability to detect leaks early contributes to sustainability efforts by minimising the amount of methane, a potent greenhouse gas, released into the atmosphere.





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Methane detector

Finding leaks faster to reduce methane emissions

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2024

CASE STUDY: CLEAN TO GREEN

Reducing environmental impact

On a cold rainy afternoon, in the spirit of kotahitanga and kaitiakitanga, a combined effort was made between Omexom New Zealand, Freyssinet and CAKE Commercial to wander through the thick, muddy waters of Gas Services Perimeter's Cracroft Bridge project site.

After eight weeks on site restoring Vector's IP20 gas main and concrete support pillars, environmental heartstrings were pulled toward cleaning the area we worked in.

In other words, we wanted to leave the place in a better condition than we found it.



Lacking the correct marine PPE, we opted to work only on the riverbank and surrounding area, and still managed to end up collecting a whopping 360 kilos of rubbish in less than an hour!





CASE STUDY: RE-HOME TO RECYCLE

Reducing landfill impact

In an effort to foster sustainability and promote the circular economy, Omexom New Zealand launched an online marketplace in 2024, after the success of the post-Covid in-person Market Place Day in 2023.

This innovative online platform is designed to empower employees across New Zealand to easily exchange items that have been hidden away at home and no longer used, back to the Omexom community.

By facilitating the re-use of items, the Online Market Place aims to reduce waste, conserve resources, and encourage a culture of sharing and sustainability.

As a responsible corporate citizen, Omexom recognises the urgent need to address environmental challenges and minimise our ecological footprint. The traditional linear economy, characterised by a "take-make-dispose" model, is simply unsustainable in the long run.

By contrast, the circular economy emphasises the re-use, repair, and recycling of products, thereby keeping materials in circulation for as long as possible. Market Place embodies this ethos by providing a platform for Omexom employees to give a second life to pre-loved items, extending their lifespan and diverting them from landfills.



Employees can list needed items completely for free through Market Place, so they can save money and support a more sustainable lifestyle.

Through initiatives such as the Online Market Place, Omexom demonstrates its commitment to environmental stewardship and the circular economy, aligning its actions with its values and mission.



CASE STUDY: RE-HOME TO RECYCLE

Reducing landfill impact

As part of Omexom's Mt. Wellington office renovations in Auckland, we committed to supporting a circular economy and reducing landfill waste by re-homing all our office furniture. This initiative reflects our dedication to environmental sustainability and social responsibility by ensuring valuable resources were re-used, rather than discarded.



A significant portion of the furniture was re-distributed to our office staff. This internal effort provided employees with quality furniture for personal use. It also fostered a sense of community and shared responsibility, reinforcing our collective commitment to environmental stewardship.

In addition to internal re-distribution, we donated furniture to charitable organisations, reflecting our broader corporate social responsibility efforts.



These partnerships ensured the furniture benefited individuals and families in need, bringing positive contributions to communities and enhancing quality of life.

The re-homed furniture included a wide variety of items such as large cabinets, chairs, side drawers, tables, desks, standing desks, and more. That represents 4.5 tonnes not sent to landfill, as well as a significant carbon reduction of 1.14 tonnes of CO₂.

This initiative demonstrated our unwavering commitment to sustainability and social impact. By promoting re-use, reducing waste, and supporting the community, we made a tangible difference for both the environment and the people around us.



CASE STUDY: REDUCE DIRECT CARBON EMISSIONS

Replanting to protect nature

The VINCI NZ Foundation, set up in 2021, supports a total of 11 charities based in the North and South Islands. One of the charities that we support is SOSSI - Shakespear Open Sanctuary Society Incorporated. SOSSI works to protect and enhance the natural environment of Shakespear Open Sanctuary Incorporated (SOSSI) in Whangaparaoa.

SOSSI is a registered charity that assists the Auckland Regional Council with the maintenance and development of the sanctuary. It was first established in 2010 with the construction of a pest proof fence, along the Whangaparaoa Peninsula.

Primary roles include working on predator control, promoting and enhancing the sanctuary, and raising funds for the re-introduction of local plant species. SOSSI has committed to raising around 10,000 new plants every year for re-vegetation planting



SOSSI held a number of public planting days over June and July, and needed volunteers to assist with this. A call for volunteers went out to staff across all the VINCI NZ Foundation companies to see who would be interested to participate.

On Sunday 14th July, some of our staff volunteered their time to assist SOSSI with their annual tree planting at Shakespear Regional Park. A total of 164 dedicated volunteers gathered for the tree planting event aimed at enhancing the local environment.

Volunteers were spread out across the designated planting area, which had been carefully prepared by the organisers in advance. The tree planting event was a huge success, with staff enjoying being out in nature and being able to give back to our environment.



CASE STUDY: REDUCE INDIRECT CARBON EMISSIONS

Giving back

Omexom New Zealand's Distribution and Support Services Perimeters participated in Te Whangai Trust's new programme, Te Whangai a Tree, Whangai A Future.



The programme aims at environmental restoration and community development in New Zealand. It involves Omexom employees growing and nurturing native trees, at home or in the office, until they are ready to be planted at a Te Whangai location.

This initiative is not only benefiting the environment but also making a significant impact on the lives of vulnerable New Zealanders. New Zealand's social statistics are the worst in the OECD and we have a rapidly increasing number of welfare dependent families.



Te Whangai's mission is to create hope and opportunity, for those who have none, by reducing dependency on welfare and the prisons one life at a time.

Every person they keep from going to prison saves the taxpayer NZ\$120,000 per year. Every youth who dœsn't enter the welfare system saves \$1.2 million in their lifetime.

By taking the responsibility to care for a tree, Omexom, through the Te Whangai Trust, is providing these individuals with a tangible connection to nature and a sense of purpose.

Every tree represents a step towards helping one of New Zealand's youth, who often do not have advocates on their behalf, while creating a brighter, greener, future for everyone.



CASE STUDY: REDUCE INDIRECT CARBON EMISSIONS

Giving back

Omexom New Zealand partnered with the Te Whangai Trust on the "Te Whangai a Tree, Whangai A Future" programme. Employees got the chance to grow native trees to be planted at Te Whangai locations, benefiting the environment and supporting vulnerable youth.

After employees were given native trees to grow and nurture at home or office, it was time to bring these plants back to the office for a prize giving competition. We had two categories for prize-giving: Best maintained/looking plant, and worst maintained plant. Three winners were chosen for each category.





Further to this, it was time to plant the well nurtured plants! A total of 14 Omexom employees joined the plantings in Panmure on 10th October. Transpower kindly provided a permit into the restricted access area for the day. The group planted a total of 65 plants, which included native varieties like hebes, coprosmas, and flax.

Te Whangai's GM of Relationships and HR had some kind words for Omexom, "We are just like community. Some of us are better at nurturing our children than others. Overall, it is a great learning. Thank you for being part of this".



CASE STUDY: REDUCED CARBON EMISSIONS

Decarbonising the business

This year, several remote audits were conducted by Omexom New Zealand staff to test the ability to observe, interview, and participate in site activities remotely. Resource management was streamlined, with a 15-minute walk-around, reducing the need for an extensive on-site presence and reducing resource constraints.

A site inspection audit would be conducted via a Teams video call, with the auditor in Auckland and the audited team in Hastings. The distance between Auckland and Hastings is approximately 450km driving one way, or a 1-hour flight. Travel by bus would take 8.5 hours.

The audit included a site walkaround, questions and answers with the Construction Manager and Senior Health Safety and Environment Advisor, and completion of the audit in the Assura reporting app. The process allowed for real-time observation and interaction, without disrupting site activities.

Critical risks were identified, such as emergency planning, high voltage overheads, traffic and people management, excavation, subcontractors, vehicles, and uncontrolled energy (in the form of stray gas). Emergency controls, permits, and traffic management were well-implemented, with no issues reported.



With this method, the team could still maintain good communication and partnership, adhering to safety standards, and managing site activities effectively.

SUMMARY OF SAVINGS ON EMISSIONS AND COSTS

- \cdot Car: 165.6 kg CO_2 and 180 NZD saved
- Flight: 171 kg CO₂ and 300 NZD saved
- Bus: 27 kg CO₂ and 100 NZD saved

Future enhancements could include the potential to record audits for showcasing purposes, providing feedback, supporting training, and improving customer interaction.

This approach led to significant efficiency and cost savings, including reductions in time, accommodation, fuel, and downtime costs, resulting in both environmental and financial benefits.

It proved particularly beneficial for remote sites such as Hastings, offering a practical solution for managing limited resources, while enhancing overall audit effectiveness and client satisfaction.

CASE STUDY: REDUCED CARBON EMISSIONS

Decarbonising the business

This year, we conducted a comprehensive Sustainability Trail Workshop aimed at equipping Project Managers and Construction Managers with essential tools for enhancing sustainability in their projects.

The workshop introduced two key tools: Resilens and Eco2VE.

• **Resilens**: This tool focuses on climate adaptation strategies, helping managers understand and implement measures to adapt to changing climate conditions.

• eco2VE: A tool developed by VINCI, eco2VE assists in calculating the carbon emissions of various projects, enabling managers to make informed decisions to minimize environmental impact.

During the workshop, participants received detailed information on the differences between climate adaptation and climate resilience.



Climate adaptation involves adjusting current practices to cope with the effects of climate change, while climate resilience focuses on building systems that can withstand and recover from climate-related disruptions.

The workshop concluded with a commitment from all participants to actively use these tools in their projects. A follow-up session is scheduled in a month to gather feedback, and assess the effectiveness of the eco2VE tool in real-world applications.

Representatives from VINCI Energies Asia-Pacific and from Omexom France conducted the training, with assistance from Omexom New Zealand's sustainability and innovation advisors.





CASE STUDY: REDUCED CARBON EMISSIONS

Decarbonising the business

In December, the Support team at the Omexom New Zealand Mount Wellington office participated in an engaging and informative Climate Fresk workshop.

This event was specifically designed for staff members who have joined the business within the last year, or the staff that haven't done the training before. The training aims to enhance their understanding of climate change and sustainability practices.

Over the course of two days, a total of seventeen staff members participated in the course. Each session focused on the fundamental concepts of climate change, its impacts, and the importance of sustainable practices in our daily activities.

Through interactive activities and discussions, participants gained valuable insights into how they can contribute to a more sustainable future. The workshop highlighted practical ways to incorporate sustainability into both professional and personal lives, emphasising the importance of teamwork and community in driving sustainable initiatives.



Key takeaways:

1. Understanding Climate Change: Participants gained a solid understanding of the science behind climate change, its causes, and its global impacts.

2. **Sustainable Practices**: The workshop highlighted practical ways to incorporate sustainability into daily operations and personal lives.

3. **Collaboration and Community**: Emphasis was placed on the importance of teamwork and community in driving sustainable initiatives.

4. Actionable Strategies: Attendees left with actionable strategies to reduce their environmental footprint, both individually and as a team.

Feedback from participants was overwhelmingly positive. Many appreciated the interactive nature of the workshop and the practical insights provided.



CASE STUDY: BRIDGING DIGITAL DIVIDE

Sustainable IT practices

Omexom New Zealand recently donated seven refurbished laptops and broadband modems, donated by One NZ, to local schools. This initiative aims to bridge the digital divide, providing students with essential tools for their education.

By repurposing old devices, we support sustainable practices and enhance learning opportunities for students who may lack access to technology at home.



This effort underscores our commitment to corporate social and environmental responsibility, reducing waste and strengthening the circular economy, while building upon the partnerships with our CSR schools and enabling the students to thrive.

The schools are as follows – Fairfield Primary, Takaro Primary, New River Primary, Halfway Bush Primary, and Panama Road School.



CASE STUDY: REDUCE CARBON EMISSIONS & LANDFILL

Buy back scheme

In an effort to promote a circular economy and extend the lifecycle of IT products, Omexom New Zealand implemented a staff buy-back policy for laptops. This initiative allows employees to purchase their leased laptops after a five-year business use period, improving sustainability and reducing electronic waste.

With the computing industry's rapid technological advancements leading to frequent hardware upgrades and subsequent significant electronic waste, Omexom made the decision to extend the business use life cycle of its computers from three to five years, and now to allow staff to buy back the laptops they have been using and are very familiar with.

This policy is communicated through internal channels, and employees are provided with the necessary administrative and financial support to facilitate the purchase.

Employee feedback has been overwhelmingly positive, with many appreciating the opportunity to own their former work devices. In the recent times, we had a total of 10 employees who were able to purchase their former work devices.



Key points include:

• E-Waste: The disposal of electronic devices poses environmental challenges. New Zealand generates a substantial amount of e-waste annually, necessitating effective recycling and waste management strategies.

• Sustainable Practices: Initiatives, such as our buy-back scheme, help reduce the company's environmental footprint, by extending the lifecycle of IT products and promoting responsible disposal practice.



CASE STUDY: REDUCE CARBON EMISSIONS

Battery settings to minimise power

In our fast-paced digital world, every small step towards sustainability counts. Omexom New Zealand encourages staff to make simple adjustments to their laptop battery settings, which can significantly reduce carbon emissions and extend the device's battery life.

Omexom IT offered eight recommended settings that contributes to a greener planet. Optimising staff's laptop battery consumption is crucial for environmental sustainability.

Prolonging battery life reduces the frequency of battery replacements, which minimises electronic waste and lowers demand for mining raw materials, such as lithium and cobalt. These extraction processes often harm ecosystems and emit greenhouse gases.





Efficient batteries also decrease electricity consumption, reducing the carbon footprint associated with power generation. Additionally, proper energy management helps laptops run cooler, extending device lifespan and preventing premature disposal.

Small changes, such as adjusting screen brightness or closing unused apps, collectively make a significant environmental impact, promoting resource conservation and supporting global efforts to combat climate change.

CASE STUDY: REDUCE CARBON EMISSIONS & LANDFILL

Choosing ex-lease monitors

In 2024, Omexom New Zealand embarked on a sustainable IT initiative aimed at promoting a circular economy by integrating ex-lease refurbished monitors into its operations.

This initiative is part of the company's broader commitment to sustainability and reducing electronic waste. By opting for refurbished monitors instead of new ones, Omexom supports environmental conservation, and demonstrates fiscal responsibility.

The primary objectives of this initiative were:

• **Reduce Electronic Waste**: By reusing refurbished monitors, Omexom NZ aims to minimise the environmental impact of electronic waste.

• **Promote Circular Economy**: Supporting the circular economy by extending the life-cycle of electronic products.

• **Cost Efficiency**: Achieving cost savings through the purchase of refurbished equipment without compromising on quality.



The Omexom finance team, for example, recently purchased 10 refurbished monitors. Omexom's sustainable IT initiative to purchase ex-lease refurbished monitors is a testament to the company's commitment to environmental stewardship and fiscal responsibility.

By reducing electronic waste and promoting a circular economy, Omexom has set a strong example for other organisations to follow. The success of this initiative highlights the potential for refurbished equipment to meet business needs while supporting sustainability goals.



CASE STUDY: Reducing vegetation waste

Making friends in high places

Omexom New Zealand's Warkworth vegetation crew were performing routine tree trimming, and took the opportunity to share their truckload of vegetation off-cuts with local residents from Gibbs Farm. The well-known sculpture park, on the Kaipara Coast Highway, is home to many exotic animals.

At this time of year, feed can get tight, with one giraffe alone eating over 60 kilograms of vegetation, known as "browse", per day! Omexom's vegetation supervisor and landowner liaison officer saw an opportunity to help the leggy locals with an excess of edible species from recent work in the area.

"It was definitely a case of 'meals on wheels', and a win for everyone." said a staff member.

"Site access for a chipper was not possible and by delivering the cuttings to the farm, it meant we saved money on travel and dumping of the vegetation while feeding the happy animals!"









Cutting fuel use and emissions

Early in 2024, Omexom New Zealand's Gas Services Perimeter set about looking for ways to further improve its sustainability targets.

Following initiatives, such as rainwater recovery, recycling of PPE, and eliminating escaping methane, GSP now looks to transition from internal combustion engine vehicles to hybrids, not merely as an eco-conscious and strategic choice that yields numerous benefits.

With a combination of electric and gasoline engines, hybrids consume less fuel, emit fewer greenhouse gases, and improve air quality, contributing to a cleaner environment. This aligns with our corporate environmental responsibility goals.

The Hino 300 series Hybrid 3375 complies with Euro 6 emission standards, distinguishing it from other Hino vehicles operating under Euro 5 regulations. It features a SCR catalyst in addition to the Euro 5's DPF





catalyst and EGR, significantly enhancing its capability to reduce NOx emissions, thus contributing to a cleaner environment.

This trial represents a pivotal step towards a sustainable future, aligning economic goals with environmental stewardship, while bolstering the company's competitive edge in an increasingly green-conscious market.



CASE STUDY: REDUCE CARBON EMISSIONS

Ultimate fuel efficiency

Omexom New Zealand, as part of its ongoing commitment to sustainability and reducing carbon emissions, has installed Ultimate Cell units in 14 vehicles. This initiative aligns with Omexom's broader goal of minimising its environmental footprint and contributing to a cleaner, more sustainable future.

Ultimate Cell units are innovative devices designed to optimise fuel combustion in internal combustion engines. By introducing a controlled amount of hydrogen into the combustion process, these units enhance fuel efficiency and reduce emissions of harmful pollutants, such as carbon dioxide (CO2), carbon monoxide (CO), and nitrogen oxides (NOx).

The technology improves engine performance, and contributes to significant reductions in the environmental impact of vehicle operations. Benefits:

- Reduction in CO₂ emissions
- · Lower NOx and CO2 emissions
- Improved fuel efficiency
- · Enhanced vehicle performance
- Cost savings



This initiative is a component of Omexom's comprehensive sustainability strategy, which includes transitioning to cleaner energy sources, electrifying the fleet, reducing waste, and promoting eco-friendly practices across all operations.

By integrating advanced technologies such as Ultimate Cell units, we are demonstrating our proactive approach to environmental stewardship and a sustainable future.



2024

CASE STUDY: TRANSFORMER OIL RECYCLING

New life for decommissioned crossarms

When five Transpower eight-metre crossarms were decommissioned by Omexom's Power Services Southern, one of our managers in Gore spoke to the club and arranged for the crossarms to gain a new lease of life.

The crossarms were cut in half, and 10 four-meter sections were delivered to the club. They have now been installed, as a safe-ty barrier in the parking area at the hunting club's property.

The project involved speaking to the club, delivering the crossarms to the location, then ensuring they were installed in a safe manner to serve their role as a safety barrier in the car park.



like to offer our greatest thanks to Omexom for the donation of your crossarms," said Janice Drysdale, president of the Eastern Southland Hunt.

"It is much appreciated by the hunt committee and members alike, and as you can see in the attached photograph, it looks very smart! A special thanks for having them delivered to our property also."

"It is with the support of businesses like yours that community organisations can thrive," says Janice.



CASE STUDY: REDUCE CARBON EMISSIONS

Reusable vehicle bodies

Omexom New Zealand recently shifted towards lightweight reusable fibreglass service bodies for utility vehicles, as part of its sustainability journey. By opting for fibreglass over traditional metal bodies, Omexom is reducing its environmental footprint during vehicle operations, and pioneering a circular approach to resource utilisation.

The decision to embrace fibreglass service bodies underscores Omexom's commitment to sustainability. Fibreglass, being lighter than metal, translates to reduced fuel consumption and lower greenhouse gas emissions during vehicle operation.

However, the true sustainability impact lies in the end-of-lease phase. In the past, the metal service bodies stayed with the vehicle once its lease was up, and were often scrapped or recycled.





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Omexom has partnered with a new supplier that offers re-usability as its focus. At the end of the lease, these bodies can be refurbished and deployed to another vehicle, minimising waste and exemplifying a circular economy model.

Practical benefits further support this transition. The corrosion resistance of fibreglass ensures longevity, reducing maintenance costs over the vehicle's lifecycle. Additionally, advancements in fibreglass technology have addressed concerns regarding durability, making them a viable alternative to traditional metal bodies.

Omexom's switch towards fibreglass service bodies exemplifies our sustainability and innovation mission. This transition benefits the planet and enhances operational efficiency, reinforcing Omexom's position as a responsible corporate citizen in today's rapidly changing world.





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